MHI

DATA BOOK

Manual No.'11•SCM-DB-109
updated September 04 ,2012

INVERTER MULTI-SPLIT SYSTEM RESIDENTIAL AIR CONDITIONERS

(Split system, air to air heat pump type)

(OUTDOOR UNIT)

SCM40ZJ-S
45ZJ-S
50ZJ-S1
60ZJ-S1

SCM71ZJ-S1
80ZJ-S1
100ZJ-S1
125ZJ-S1

(INDOOR UNIT)

Wall mounted type

SRK20ZJX-S
25ZJX-S
35ZJX-S
50ZJX-S1
60ZJX-S1
SRK25ZJR-S
35ZJR-S
SRK20ZJ-S
25ZJ-S
35ZJ-S
50ZJ-S
SRK71ZK-S

Floor standing type

SRF25ZJX-S
35ZJX-S
50ZJX-S1

Ceiling concealed type

SRR25ZJ-S
35ZJ-S
50ZJ-S
60ZJ-S

Ceiling cassette-4way compact type

FDTC25VD
35VD
50VD
60VD

Ceiling suspended type

FDEN50VD

Duct connected Low/Middle static pressure type

FDUM50VF

MITSUBISHI HEAVY INDUSTRIES, LTD.

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■ Table of models

Model \ Capacity	20	25	35	50	60	71
Wall mounted type (SRK∗ ∗ZJX-S)	○	○	○	○	○	
Wall mounted type (SRK∗ ∗ZJR-S)		○	○			
Wall mounted type (SRK∗ ∗ZJ-S)	○	○	○	○		
Wall mounted type (SRK∗ ∗ZK-S)						○
Floor standing type (SRF)		○	○	○		
Ceiling concealed type (SRR)		○	○	○	○	
Ceiling cassette-4way compact type (FDTC)		○	○	○	○	
Ceiling suspended type (FDEN)				○		
Duct connected Low/Middle static pressure type (FDUM)				○		
Outdoor unit to be combined (SCM)	SCM40ZJ-S, 45ZJ-S, 50ZJ-S1, 60ZJ-S1, 71ZJ-S1, 80ZJ-S1, 100ZJ-S1, 125ZJ-S1					

■ How to read the model name

Indoor unit

Example: SRK 20 Z JX-S

- JX-S — Series code
- Z — Inverter type
- 20 — Product capacity
- SRK — Model name

Model name:
- SRK : Wall mounted type
- SRF : Floor standing type
- SRR : Ceiling concealed type
- FDTC : Ceiling cassette-4 way compact type
- FDEN : Ceiling suspended type
- FDUM : Duct connected Low/Middle static pressure type

Outdoor unit

Example: SCM 60 Z J-S1

- J-S1 — Series code
- Z — Inverter type
- 60 — Product capacity
- SCM — Model name (Outdoor unit)

1. OUTDOOR UNITS

1.1 Specifications

Adapted to **RoHS** directive

Item				Model	SCM40ZJ-S
Cooling capacity (1)				W	4000 (1800 (Min.)〜5900 (Max.))
Heating capacity (1)				W	4500 (1400 (Min.)〜6900 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	0.84 (0.49〜1.90)
			Heating		0.90 (0.47〜2.30)
	Running current		Cooling	A	3.9 / 3.7 / 3.5 (220/ 230/ 240 V)
			Heating		4.1 / 4.0 / 3.8 (220/ 230/ 240 V)
	Inrush current				4.1 / 4.0 / 3.8 (220/ 230/ 240 V)
	Max current (5)				14
	COP		Cooling		4.76
			Heating		5.00
	Noise level	Cooling	Sound level	dB (A)	47
			Power level	dB	60
		Heating	Sound level	dB (A)	48
			Power level	dB	62
Exterior dimensions (Height x Width x Depth)				mm	640 x 850 x 290
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	47
Refrigerant equipment	Compressor type & Q'ty				RM-T5113MDE2 (Twin rotary type) x 1
	Motor (Starting method)			kW	1.4 (Line starting)
	Refrigerant oil			ℓ	0.45 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 2 (Pre-Charged up to the piping length of 30m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	34
	Air flow		Cooling	CMM	40.0
			Heating		40.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 2
					Gas line: ϕ9.52 (3/8") × 2
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 30
	Vertical height difference between outdoor unit and indoor unit				Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	25
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Installation sheet, Elbow, Grommet
Indoor unit to be combined					SRK20,25,35ZJX-S SRK25,35ZJR-S SRK20,25,35ZJ-S SRF25,35ZJX-S SRR25,35ZJ-S FDTC25,35VD
Number of connectable indoor units					2
Total of indoor units				kW	Max. 6

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 30m connecting piping.
(Purging is not required even for the short piping.)
(5) Current value at maximum number of indoor units connected.

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Adapted to **RoHS** directive

Item				Model	SCM45ZJ-S
Cooling capacity (1)				W	4500 (1800 (Min.)〜6400 (Max.))
Heating capacity (1)				W	5600 (1400 (Min.)〜7400 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	1.04 (0.49〜2.14)
			Heating		1.20 (0.47〜2.57)
	Running current		Cooling	A	4.8 / 4.6 / 4.4 (220/ 230/ 240 V)
			Heating		5.5 / 5.3 / 5.1 (220/ 230/ 240 V)
	Inrush current				5.5 / 5.3 / 5.1 (220/ 230/ 240 V)
	Max current (5)				14
	COP		Cooling		4.33
			Heating		4.67
	Noise level	Cooling	Sound level	dB (A)	47
			Power level	dB	60
		Heating	Sound level	dB (A)	49
			Power level	dB	62
Exterior dimensions (Height x Width x Depth)				mm	640 x 850 x 290
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	47
Refrigerant equipment	Compressor type & Q'ty				RM-T5113MDE2 (Twin rotary type) x 1
	Motor (Starting method)			kW	1.4 (Line starting)
	Refrigerant oil			ℓ	0.45 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 2 (Pre-Charged up to the piping length of 30m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	34
	Air flow		Cooling	CMM	40.0
			Heating		40.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 2
					Gas line: ϕ9.52 (3/8") × 2
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 30
	Vertical height difference between outdoor unit and indoor unit				Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	25
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Installation sheet, Elbow, Grommet
Indoor unit to be combined					SRK20,25,35ZJX-S SRK25,35ZJR-S SRK20,25,35ZJ-S SRF25,35ZJX-S SRR25,35ZJ-S FDTC25,35VD
Number of connectable indoor units					2
Total of indoor units				kW	Max. 7

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 30m connecting piping.
(Purging is not required even for the short piping.)
(5) Current value at maximum number of indoor units connected.

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Adapted to **RoHS** directive

Item				Model	SCM50ZJ-S1
Cooling capacity (1)				W	5000 (1800 (Min.)〜7100 (Max.))
Heating capacity (1)				W	6000 (1400 (Min.)〜7500 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	1.08 (0.50〜2.15)
			Heating		1.31 (0.48〜2.58)
	Running current		Cooling	A	5.0 / 4.7 / 4.5 (220/ 230/ 240 V)
			Heating		6.0 / 5.8 / 5.5 (220/ 230/ 240 V)
	Inrush current				6.0 / 5.8 / 5.5 (220/ 230/ 240 V)
	Max current (5)				15
	COP		Cooling		4.63
			Heating		4.58
	Noise level	Cooling	Sound level	dB (A)	49
			Power level	dB	62
		Heating	Sound level	dB (A)	52
			Power level	dB	65
Exterior dimensions (Height x Width x Depth)				mm	640 x 850 x 290
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	48
Refrigerant equipment	Compressor type & Q'ty				RM-T5113MDE2 (Twin rotary type) x 1
	Motor (Starting method)			kW	1.4 (Line starting)
	Refrigerant oil			ℓ	0.45 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 2.5 (Pre-Charged up to the piping length of 40m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	34
	Air flow		Cooling	CMM	41.0
			Heating		41.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 3
					Gas line: ϕ9.52 (3/8") × 3
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 40
	Vertical height difference between outdoor unit and indoor unit				Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	25
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Union : (ϕ9.52→ϕ12.7) × 1, Installation sheet, Elbow, Grommet
Indoor unit to be combined					SRK20,25,35ZJX-S,50ZJX-S1 SRK25,35ZJR-S SRK20,25,35,50ZJ-S SRF25,35ZJX-S,50ZJX-S1 SRR25,35,50ZJ-S FDTC25,35,50VD FDEN50VD,FDUM50VF
Number of connectable indoor units					Min. 2〜Max. 3
Total of indoor units				kW	Max. 8.5

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping.
(Purging is not required even for the short piping.)
(5) Current value at maximum number of indoor units connected.

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Adapted to **RoHS** directive

Item				Model	SCM60ZJ-S1
Cooling capacity (1)				W	6000 (1800 (Min.)〜7500 (Max.))
Heating capacity (1)				W	6800 (1500 (Min.)〜7800 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	1.43 (0.50〜2.39)
			Heating		1.51 (0.60〜3.00)
	Running current		Cooling	A	6.8 / 6.5 / 6.2 (220/ 230/ 240 V)
			Heating		7.1 / 6.8 / 6.6 (220/ 230/ 240 V)
	Inrush current				7.1 / 6.8 / 6.6 (220/ 230/ 240 V)
	Max current (5)				17
	COP		Cooling		4.2
			Heating		4.5
	Noise level	Cooling	Sound level	dB(A)	50
			Power level	dB	63
		Heating	Sound level	dB(A)	52
			Power level	dB	65
Exterior dimensions (Height x Width x Depth)				mm	640 x 850 x 290
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	49
Refrigerant equipment	Compressor type & Q'ty				RM-T5118MDE2 (Twin rotary type) x 1
	Motor (Starting method)			kW	1.4 (Line starting)
	Refrigerant oil			ℓ	0.675 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 2.5 (Pre-Charged up to the piping length of 40m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	34
	Air flow		Cooling	CMM	42.0
			Heating		42.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 3
					Gas line: ϕ9.52 (3/8") × 3
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 40
	Vertical height difference between outdoor unit and indoor unit				Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	25
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Union : (ϕ9.52→ϕ12.7) × 2, Installation sheet, Elbow, Grommet
Indoor unit to be combined					SRK20,25,35ZJX-S,50,60ZJX-S1 SRK25,35ZJR-S SRK20,25,35,50ZJ-S SRF25,35ZJX-S,50ZJX-S1 SRR25,35,50,60ZJ-S FDTC25,35,50,60VD FDEN50VD,FDUM50VF
Number of connectable indoor units					Min. 2〜Max. 3
Total of indoor units				kW	Max. 11

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping.
(Purging is not required even for the short piping.)
(5) Current value at maximum number of indoor units connected.

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Adapted to **RoHS** directive

Item				Model	SCM71ZJ-S1
Cooling capacity (1)				W	7100 (1800 (Min.)〜8800 (Max.))
Heating capacity (1)				W	8600 (1500 (Min.)〜9400 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	1.74 (0.48〜2.75)
			Heating		2.00 (0.60〜3.35)
	Running current		Cooling	A	8.0 / 7.6 / 7.3 (220/ 230/ 240 V)
			Heating		9.2 / 8.8 / 8.4 (220/ 230/ 240 V)
	Inrush current				9.2 / 8.8 / 8.4 (220/ 230/ 240 V)
	Max current (5)				20
	COP		Cooling		4.08
			Heating		4.30
	Noise level	Cooling	Sound level	dB (A)	52
			Power level	dB	65
		Heating	Sound level	dB (A)	54
			Power level	dB	66
Exterior dimensions (Height x Width x Depth)				mm	750 x 880 x 340
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	62
Refrigerant equipment	Compressor type & Q'ty				RM-T5118MDE2 (Twin rotary type) x 1
	Motor (Starting method)			kW	1.4 (Line starting)
	Refrigerant oil			ℓ	0.675 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 3.15 (Pre-Charged up to the piping length of 40m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	86
	Air flow		Cooling	CMM	56.0
			Heating		56.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 4
					Gas line: 9.52 (3/8") × 4
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 70
	Vertical height difference between outdoor unit and indoor unit				Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	25
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Union : (ϕ9.52→12.7) × 2, Installation sheet, Elbow, Grommet × 2
Indoor unit to be combined					SRK20,25,35ZJX-S,50,60ZJX-S1 SRK25,35ZJR-S SRK20,25,35,50ZJ-S SRF25,35ZJX-S,50ZJX-S1 SRR25,35,50,60ZJ-S FDTC25,35,50,60VD FDEN50VD,FDUM50VF
Number of connectable indoor units					Min. 2〜Max. 4
Total of indoor units				kW	Max. 12.5

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping.
(Purging is not required even for the short piping.)
(5) Current value at maximum number of indoor units connected.

RWC000Z235 ⚠g

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Adapted to **RoHS** directive

Item \ Model					SCM80ZJ-S1
Cooling capacity (1)				W	8000 (1800 (Min.)〜9200 (Max.))
Heating capacity (1)				W	9300 (1500 (Min.)〜9800 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	2.16 (0.48〜2.83)
			Heating		2.26 (0.60〜3.43)
	Running current		Cooling	A	9.9 / 9.4 / 9.0 (220/ 230/ 240 V)
			Heating		10.4 / 10.0 / 9.5 (220/ 230/ 240 V)
	Inrush current				10.4 / 10.0 / 9.5 (220/ 230/ 240 V)
	Max current (5)				20
	COP		Cooling		3.70
			Heating		4.12
	Noise level	Cooling	Sound level	dB(A)	54
			Power level	dB	66
		Heating	Sound level	dB(A)	54
			Power level	dB	66
Exterior dimensions (Height x Width x Depth)				mm	750 x 880 x 340
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	62
Refrigerant equipment	Compressor type & Q'ty				RM-T5118MDE2 (Twin rotary type) x 1
	Motor (Starting method)			kW	1.4 (Line starting)
	Refrigerant oil			ℓ	0.675 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 3.15 (Pre-Charged up to the piping length of 40m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	86
	Air flow		Cooling	CMM	56.0
			Heating		56.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 4
					Gas line: ϕ9.52 (3/8") × 4
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 70
	Vertical height difference between outdoor unit and indoor unit				Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	25
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Union : (ϕ9.52→ϕ12.7) × 2, Installation sheet, Elbow, Grommet × 2
Indoor unit to be combined					SRK20,25,35ZJX-S,50,60ZJX-S1 SRK25,35ZJR-S SRK20,25,35,50ZJ-S SRF25,35ZJX-S,50ZJX-S1 SRR25,35,50,60ZJ-S FDTC25,35,50,60VD FDEN50VD,FDUM50VF
Number of connectable indoor units					Min. 2〜Max. 4
Total of indoor units				kW	Max. 13.5

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item \ Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping.
(Purging is not required even for the short piping.)
(5) Current value at maximum number of indoor units connected.

RWC000Z235 g

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Adapted to **RoHS** directive

Item				Model	SCM100ZJ-S1
Cooling capacity (1)				W	10000 (1800 (Min.)〜12000 (Max.))
Heating capacity (1)				W	12000 (1500 (Min.)〜13500 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	2.86 (0.65〜4.03)
			Heating		2.93 (0.70〜3.40)
	Running current		Cooling	A	13.0 / 12.4 / 11.9 (220 / 230 / 240 V)
			Heating		13.3 / 12.8 / 12.2 (220 / 230 / 240 V)
	Inrush current				13.3 / 12.8 / 12.2 (220 / 230/ 240 V)
	Max current (6)				29
	COP		Cooling		3.50
			Heating		4.10
	Noise level	Cooling	Sound level	dB (A)	56
			Power level	dB	68
		Heating	Sound level	dB (A)	59
			Power level	dB	71
Exterior dimensions (Height x Width x Depth)				mm	945 x 970 x 370
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	92
Refrigerant equipment	Compressor type & Q'ty				RM-T5126MDE21 (Twin rotary type) x 1
	Motor (Starting method)			kW	4.0 (Line starting)
	Refrigerant oil			ℓ	1.0 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 6.00 (Pre-Charged up to the piping length of 50m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	86
	Air flow		Cooling	CMM	75.0
			Heating		75.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 5
					Gas line: ϕ9.52 (3/8") × 5
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 90
	Vertical height difference between outdoor unit and indoor unit				Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	30
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Union, Installation sheet, Elbow, Grommet × 2
Indoor unit to be combined					SRK20,25,35ZJX-S,50,60ZJX-S1,SRK25,35ZJR-S,SRK20,25,35,50ZJ-S,SRK71ZK-S SRF25,35ZJX-S,50ZJX-S1 SRR25,35,50,60ZJ-S FDTC25,35,50,60VD FDEN50VD,FDUM50VF
Number of connectable indoor units					Min. 4〜Max. 5 ※Note (5)
Total of indoor units				kW	Max. 16.0

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 50m connecting piping.
(Purging is not required even for the short piping.)
(5) In case of combination with SRK-ZJX-S, SRK71ZK-S, FDEN50VD only, 3 Indoor units can be connectable.
In case of SRK71ZK-S+SRK71ZK-S, 2 Indoor units can be connectable.
(6) Current value at maximum number of indoor units connected.

RWC000Z242

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Adapted to **RoHS** directive

Item				Model	SCM125ZJ-S1
Cooling capacity (1)				W	12500 (1800 (Min.)〜14000 (Max.))
Heating capacity (1)				W	13500 (1500 (Min.)〜14000 (Max.))
Power supply					1 Phase, 220〜240 V, 50Hz
Operation data (1)	Power consumption		Cooling	kW	3.90 (0.65〜4.80)
			Heating		3.25 (0.70〜3.42)
	Running current		Cooling	A	17.7 / 17.0 / 16.3 (220 / 230 / 240 V)
			Heating		14.8 / 14.1 / 13.6 (220 / 230 / 240 V)
	Inrush current				17.7 / 17.0 / 16.3 (220 / 230 / 240 V)
	Max current (6)				29
	COP		Cooling		3.21
			Heating		4.15
	Noise level	Cooling	Sound level	dB (A)	57
			Power level	dB	69
		Heating	Sound level	dB (A)	60
			Power level	dB	72
Exterior dimensions (Height x Width x Depth)				mm	945 x 970 x 370
Exterior appearance (Munsell color)					Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	92
Refrigerant equipment	Compressor type & Q'ty				RM-T5126MDE21 (Twin rotary type) x 1
	Motor (Starting method)			kW	4.0 (Line starting)
	Refrigerant oil			ℓ	1.0 (DIAMOND FREEZE MA68)
	Refrigerant (4)			kg	R410A 6.00 (Pre-Charged up to the piping length of 50m)
	Heat exchanger				M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Propeller fan x 1
	Motor			W	86
	Air flow		Cooling	CMM	75.0
			Heating		82.0
Shock & vibration absorber					Cushion rubber (for compressor)
Electric heater					Crank case heater (220V 20W)
Safety devices					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") × 6
					Gas line: ϕ9.52 (3/8") × 6
	Connecting method				Flare connecting
	Insulation for piping				Necessary (Both sides), independent
	Length for one indoor unit			m	Max. 25
	Total length for all rooms				Max. 90
	Vertical height difference between outdoor unit and indoor unit				Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)
	Height difference of the indoor units				Max. 25
Recommended breaker size				A	30
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Union, Installation sheet, Elbow, Grommet × 2
Indoor unit to be combined					SRK20,25,35ZJX-S,50,60ZJX-S1,SRK25,35ZJR-S,SRK20,25,35,50ZJ-S,SRK71ZK-S SRF25,35ZJX-S,50ZJX-S1 SRR25,35,50,60ZJ-S FDTC25,35,50,60VD FDEN50VD,FDUM50VF
Number of connectable indoor units					Min. 4〜Max. 6 ※Note (5)
Total of indoor units				kW	Max. 19.5

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.
(4) The refrigerant quantity to be charged includes the refrigerant in 50m connecting piping.
(Purging is not required even for the short piping.)
(5) In case of combination with SRK-ZJX-S, SRK71ZK-S, FDEN50VD only, 3 Indoor units can be connectable.
In case of SRK71ZK-S+SRK71ZK-S, 2 Indoor units can be connectable.
(6) Current value at maximum number of indoor units connected.

RWC000Z242

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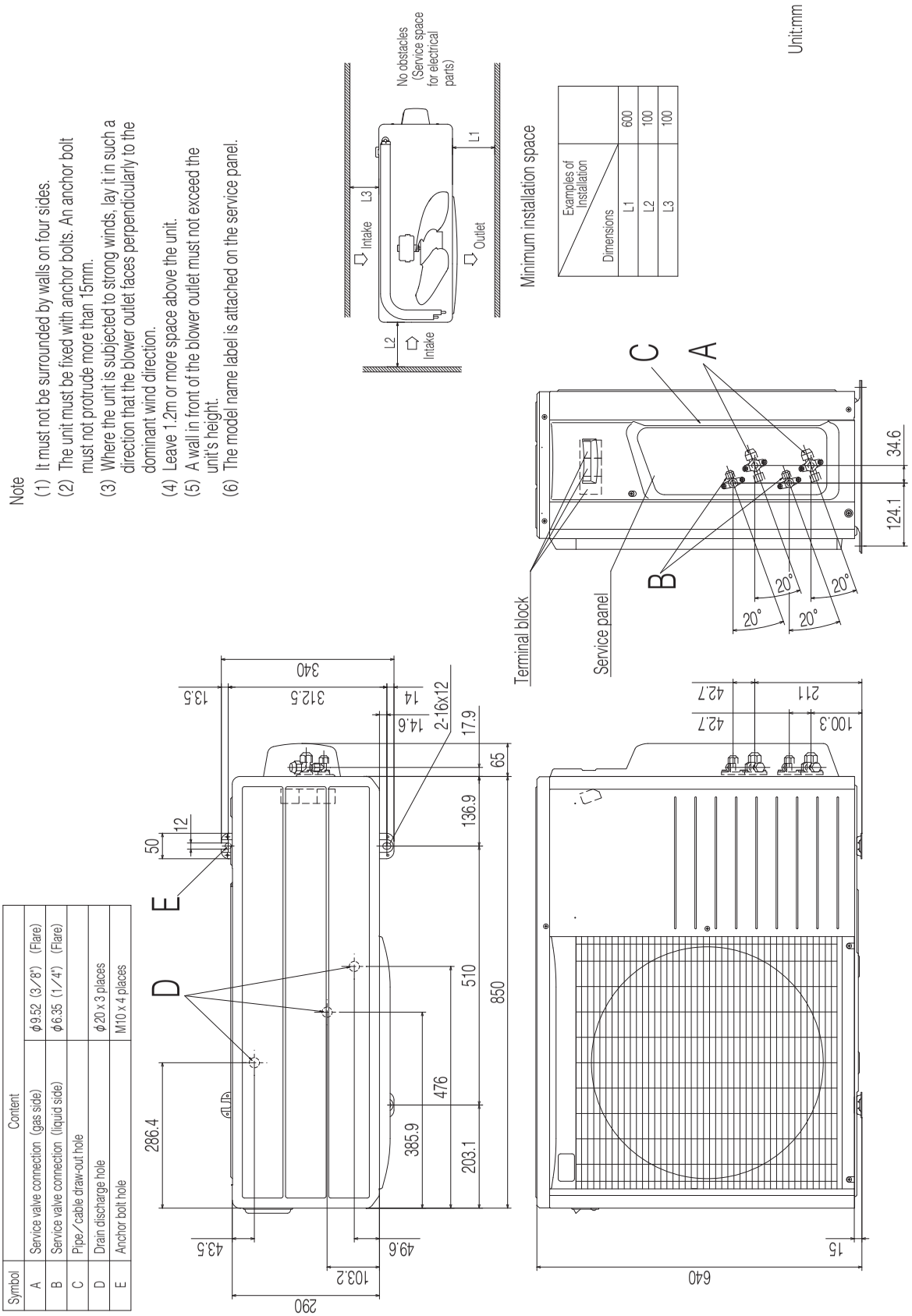
1.2 Exterior dimensions

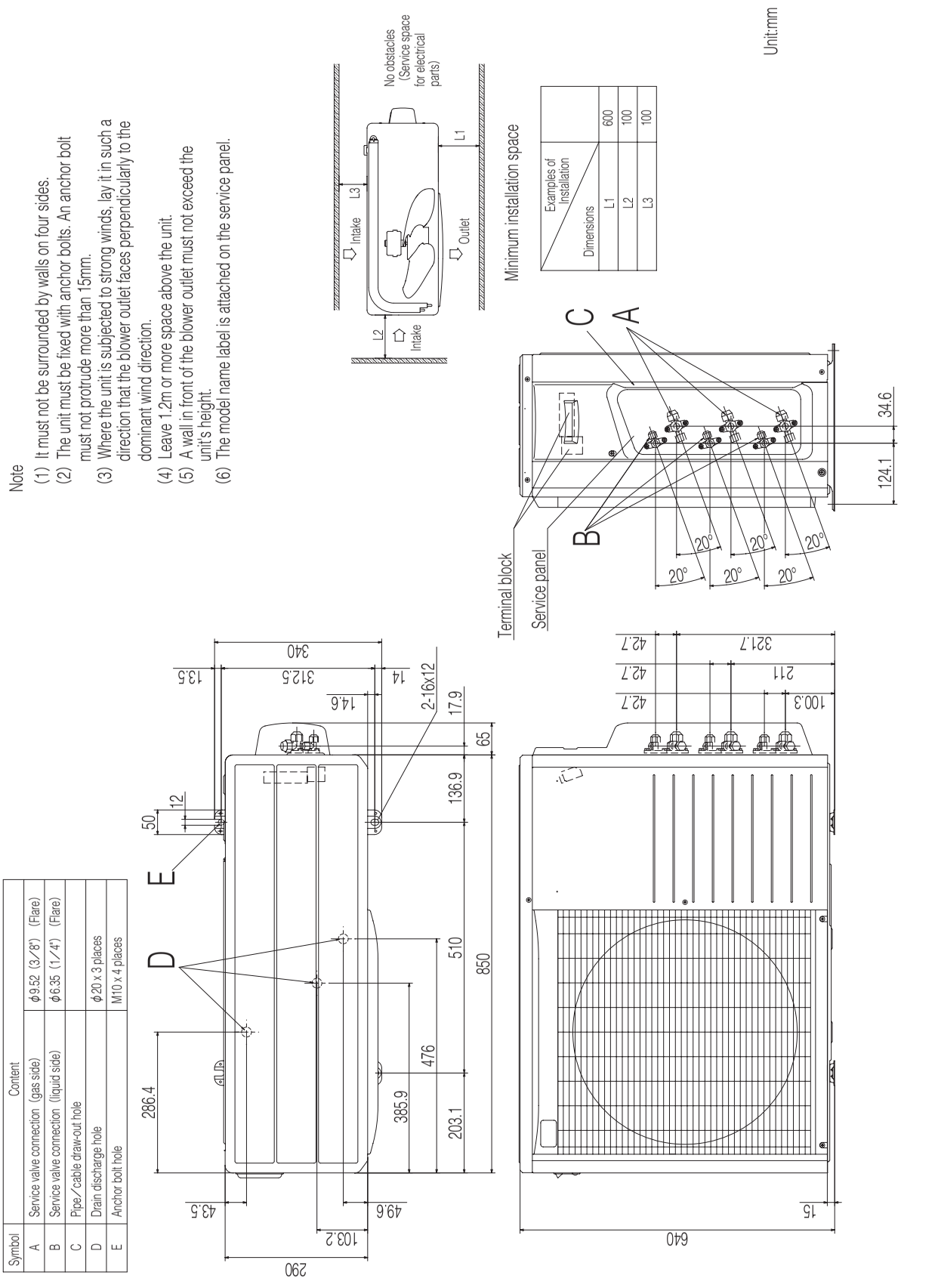
Models SCM40ZJ-S, 45ZJ-S



Symbol	Content	
A	Service valve connection (gas side)	ϕ9.52 (3/8") (Flare)
B	Service valve connection (liquid side)	ϕ6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	ϕ20 x 3 places
E	Anchor bolt hole	M10 x 4 places

RWC000Z231

Models SCM50ZJ-S1, 60ZJ-S1



Symbol	Content	
A	Service valve connection (gas side)	φ9.52 (3/8") (Flare)
B	Service valve connection (liquid side)	φ6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	φ20 x 3 places
E	Anchor bolt hole	M10 x 4 places

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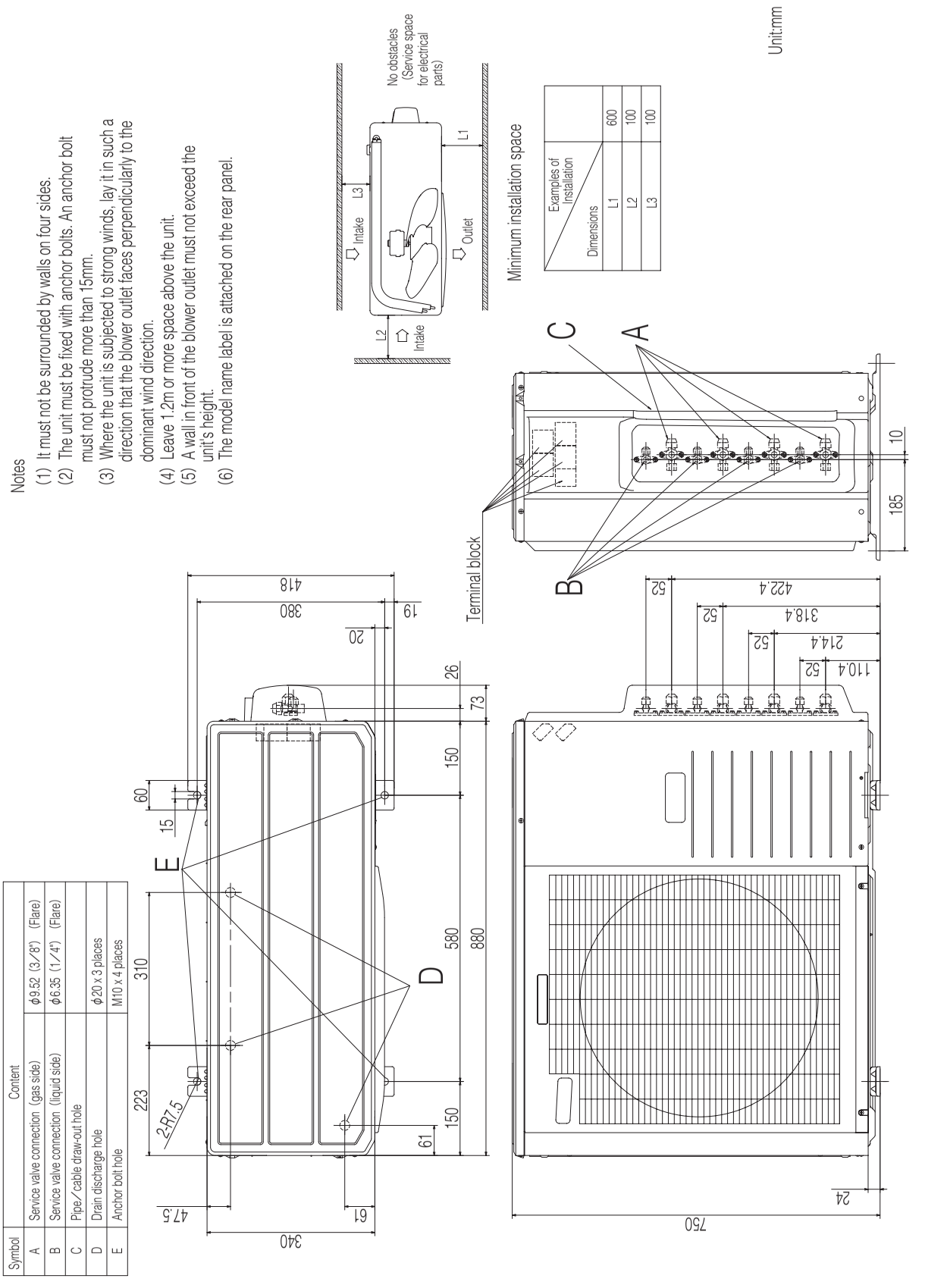
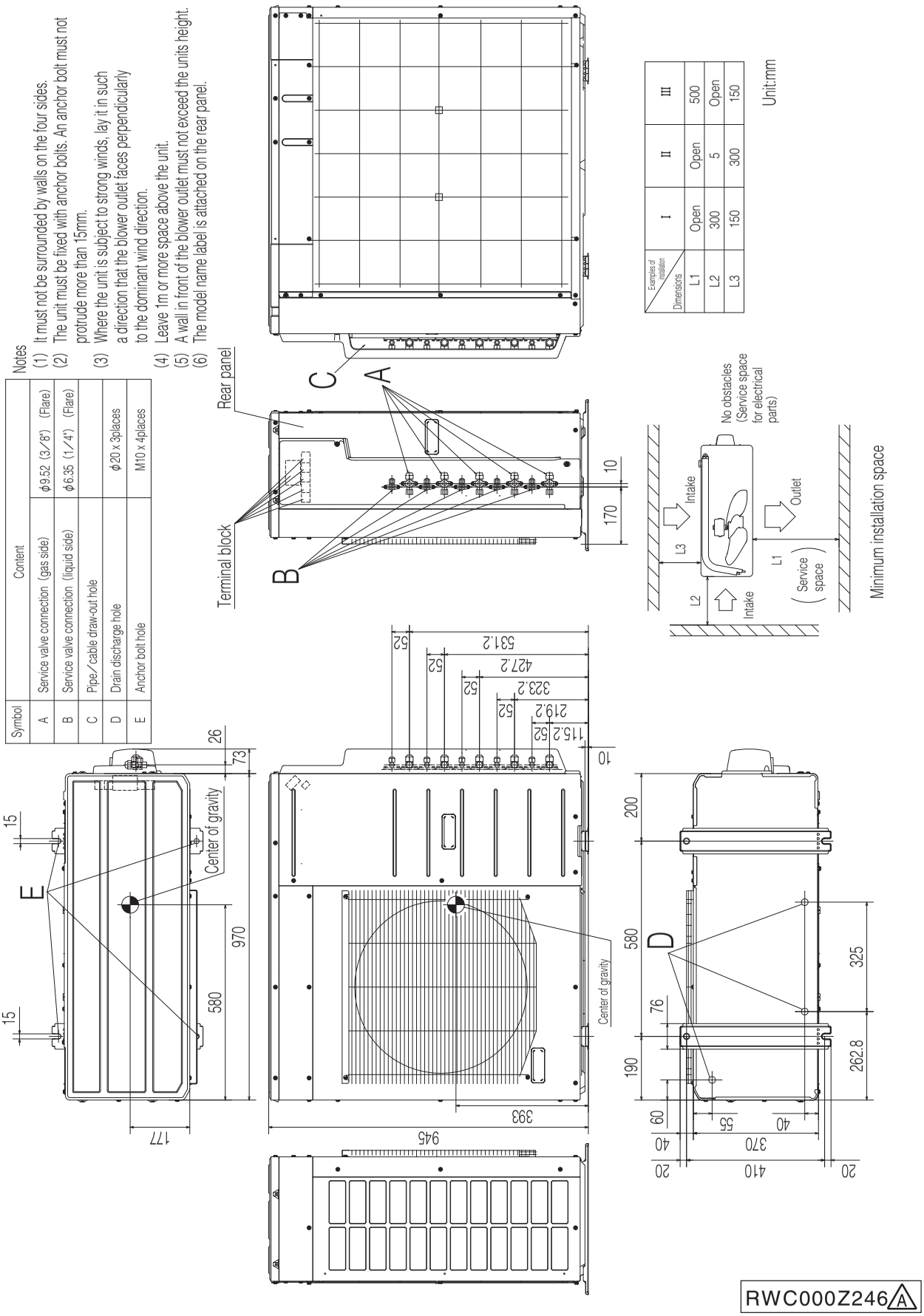
Models SCM71ZJ-S1, 80ZJ-S1

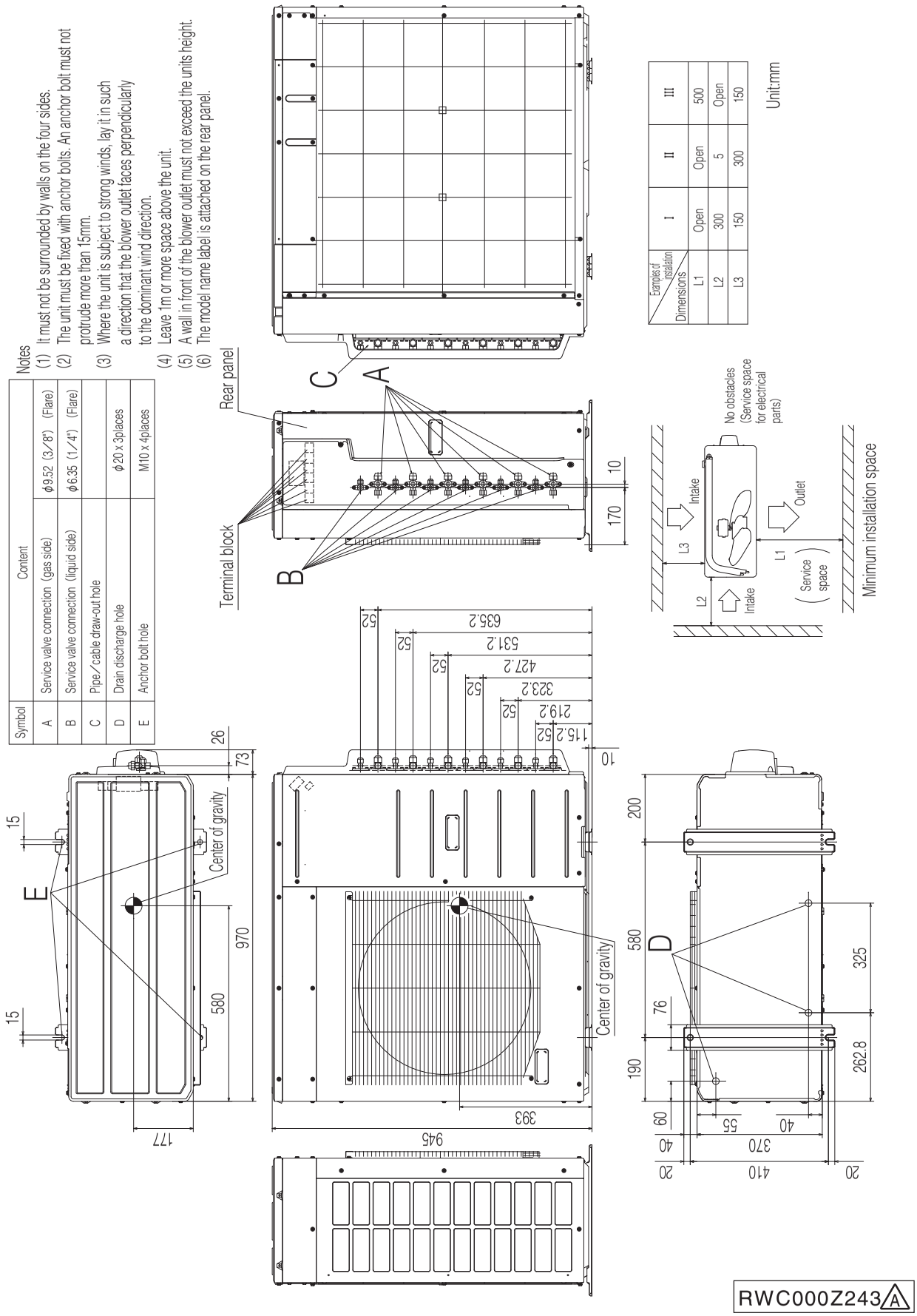


RWC000Z249

Model SCM100ZJ-S1



Model SCM125ZJ-S1



1.3. Electrical wirings

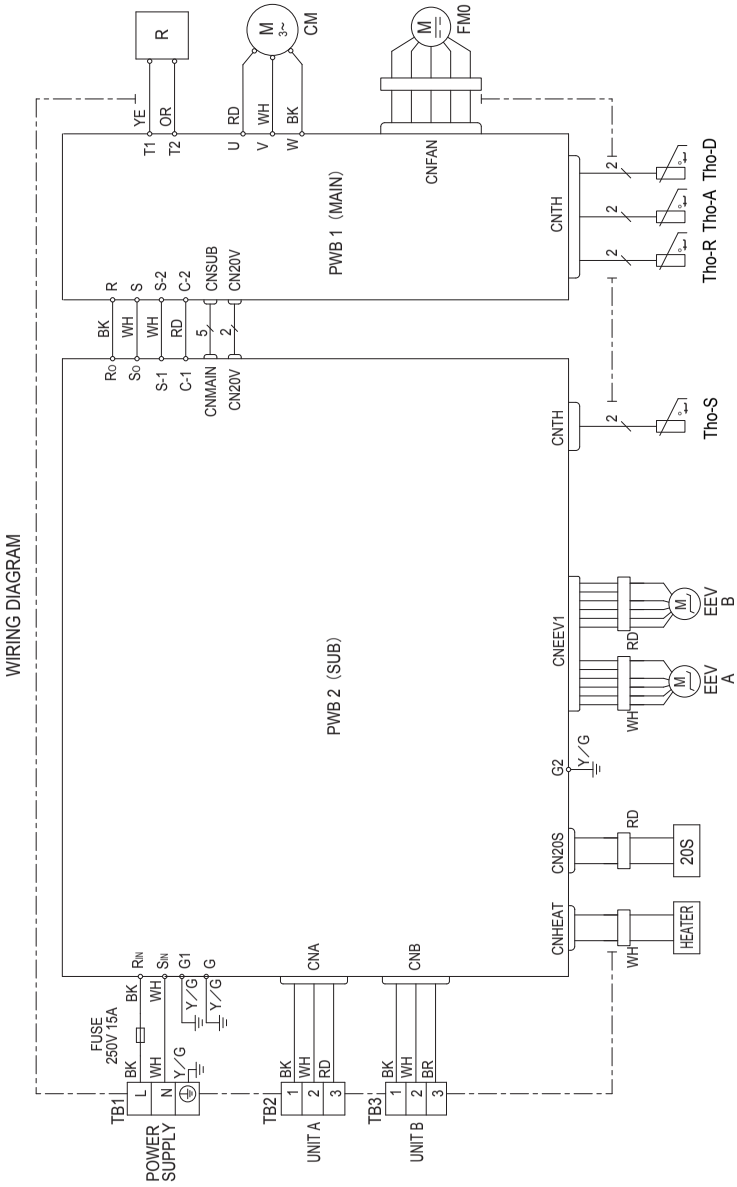
Models SCM40ZJ-S, 45ZJ-S

Indication lamp	Color	Function
Lede (1)	Red	Warning lamp
Self diagnosis function by led e		
1 Time flash	Current cut	
2 Time flash	Trouble of outdoor unit	
3 Time flash	Over current	
4 Time flash	Transmission error	
5 Time flash	Over heat of compressor	
6 Time flash	Error of signal transmission	
7 Time flash	Lock of compressor	
8 Time flash	Sensor error (Except discharge pipe sensor)	Discharge pipe sensor error
Light on	Outdoor fan motor error	
Four sec light and four sec off		

Caution ・When the compressor does not run Immediately after hitting on the button,wait for 5 to 10 minutes. (There is possibility of delayed start.)

・High voltage is produced in the control box. don't touch electrical parts in the control box for 5 minutes after cutting power supply.

WIRING DIAGRAM



Meaning of Marks

Item	Description	Item	Description
CNA-CN20S	Connector	R	Reactor
20S	4 Way valve (coil)	TB1-TB3	Terminal block
CM	Compressor motor	Tho-R	Heat exchanger sensor (outdoor unit)
EEV A,EEV B	Electric expansion valve (coil)	Tho-A	Outdoor air temp. sensor
FMo	Fan motor	Tho-D	Discharge pipe temp. sensor
HEATER	Crank case heater	Tho-S	Suction pipe temp. sensor

Color Marks

Mark	Color	Mark	Color
BK	Black	YE	Yellow
RD	Red	Y/G	Yellow/Green
WH	White		
OR	Orange		
BR	Brown		

RWC000Z232

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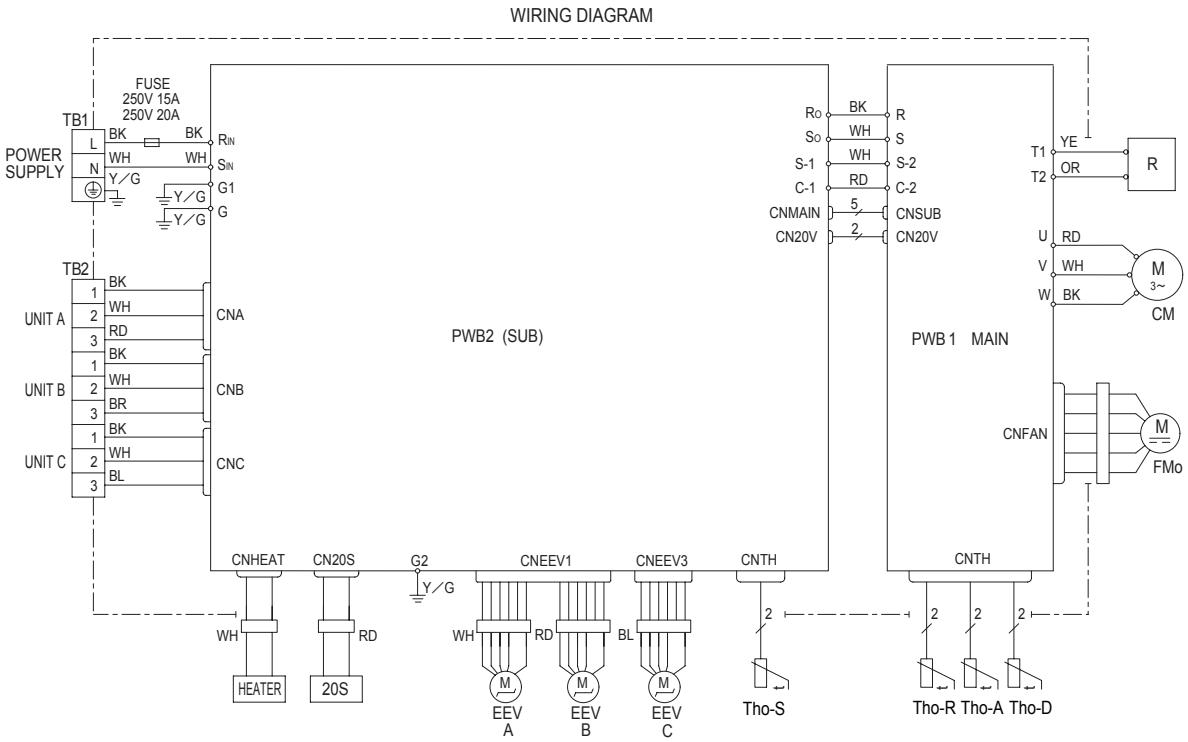
WIRING DIAGRAM



Indication lamp	Color	Function
Lede (1)	Red	Warning lamp
Self diagnosis function by led e		
1 Time flash	Current cut	
2 Time flash	Trouble of outdoor unit	
3 Time flash	Over current	
4 Time flash	Transmission error	
5 Time flash	Over heat of compressor	
6 Time flash	Error of signal transmission	
7 Time flash	Lock of compressor	
8 Time flash	Sensor error Except discharge pipe sensor	
Light on	Outdoor fan motor error	
Four sec light and four sec off	Discharge pipe sensor error	

Caution ・When the compressor does not run Immediately after hitting on the button,wait for 5 to 10 minutes. (There is possibility of delayed start.)

・High voltage is produced in the control box. don't touch electrical parts in the control box for 5 minutes after cutting power supply.

Color Marks

Mark	Color	Mark	Color
BK	Black	BR	Brown
BL	Blue	YE	Yellow
RD	Red	Y／G	Yellow／Green
WH	White		
OR	Orange		

Meaning of Marks

Item	Description	Item	Description
CNA-CN20S	Connector	R	Reactor
20S	4 Way valve (coil)	TB1,TB2	Terminal block
CM	Compressor motor	Tho-R	Heat exchanger sensor (outdoor unit)
EEV A,EEVB EEVC	Electric expansion valve (coil)	Tho-A	Outdoor air temp. sensor
FMo	Fan motor	Tho-D	Discharge pipe temp. sensor
HEATER	Crank case heater	Tho-S	Suction pipe temp. sensor

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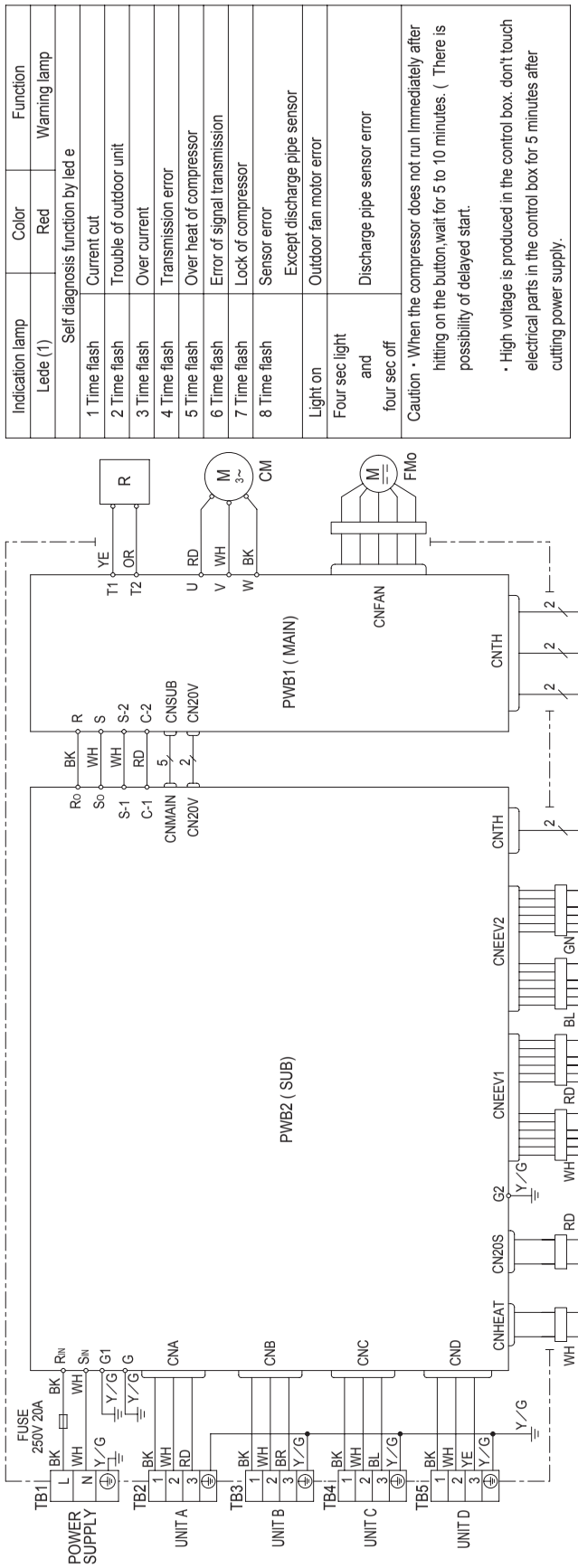
Models SCM71ZJ-S1, 80ZJ-S1



Indication lamp	Color	Function
Lede (1)	Red	Warming lamp
Self diagnosis function by led e		
1 Time flash	Current cut	
2 Time flash	Trouble of outdoor unit	
3 Time flash	Over current	
4 Time flash	Transmission error	
5 Time flash	Over heat of compressor	
6 Time flash	Error of signal transmission	
7 Time flash	Lock of compressor	
8 Time flash	Sensor error Except discharge pipe sensor	
Light on	Outdoor fan motor error	
Four sec light and four sec off	Discharge pipe sensor error	

Caution • When the compressor does not run Immediately after hitting on the button,wait for 5 to 10 minutes. (There is possibility of delayed start.

• High voltage is produced in the control box. don't touch electrical parts in the control box for 5 minutes after cutting power supply.

Meaning of Marks

Item	Description
CNA-CN20S	Connector
20S	4 Way valve (coil)
CM	Compressor motor
EEV A,EEV B EEV C,EEV D	Electric expansion valve (coil)
FMo	Fan motor
HEATER	Crank case heater

Item	Description
R	Reactor
TB1~5	Terminal block
Tho-R	Heat exchanger sensor (outdoor unit)
Tho-A	Outdoor air temp. sensor
Tho-D	Discharge pipe temp. sensor
Tho-S	Suction pipe temp. sensor

Color Marks

Mark	Color
BK	Black
BL	Blue
BR	Brown
GN	Green
OR	Orange

Mark	Color
RD	Red
WH	White
YE	Yellow
Y／G	Yellow／Green

RWC000Z250

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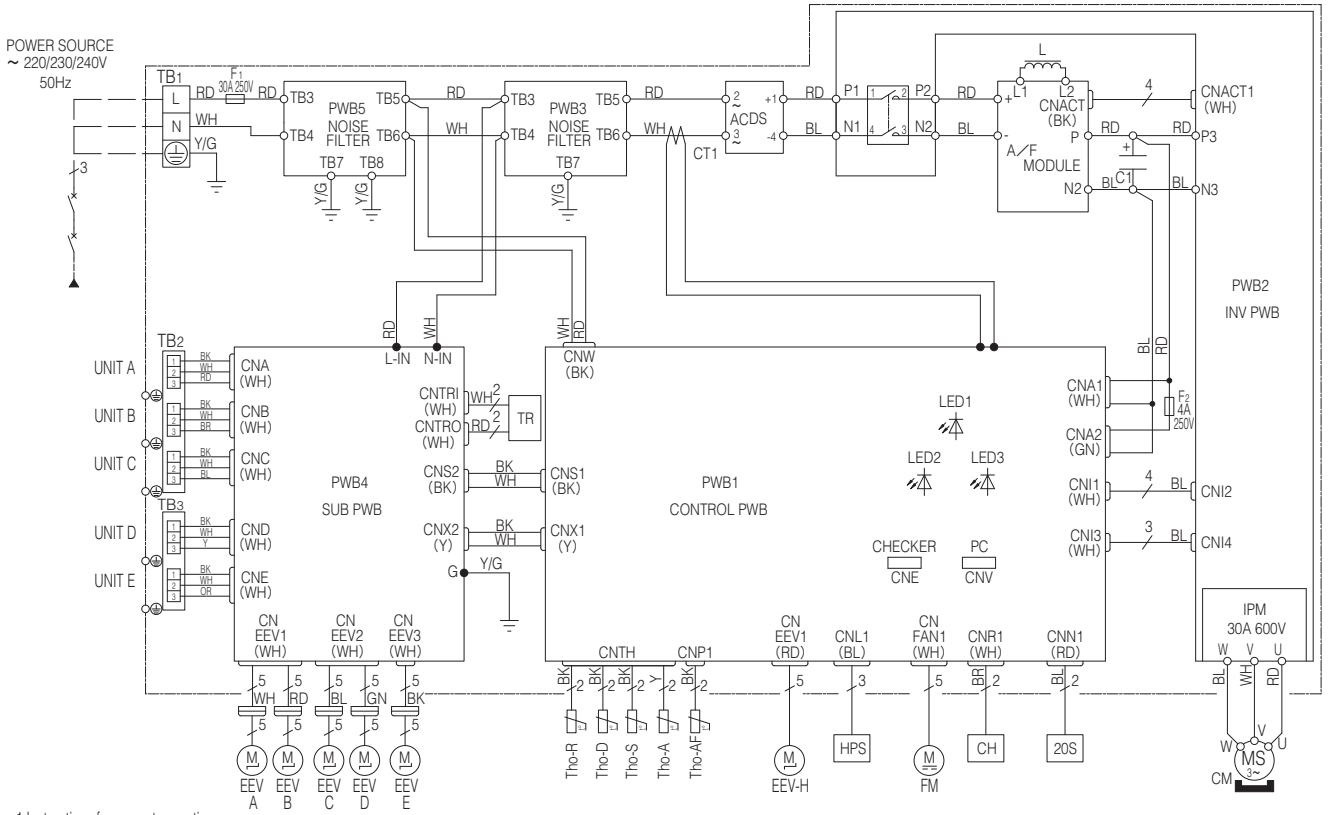


Mark	Name
A/F MODULE	Active filter module
CH	Crankcase heater
CM	Compressor motor
CNA~Z	Connector
CT	Current sensor
DS	Diode stack
EEV	Electronic expansion coil
EEV-H	Electronic expansion coil (For heating)
F	Fuse
FM	Fan motor
HPS	High pressure sensor
IPM	Intelligent power module
L	Reactor
LED1	Indicator lamp (Red-Inspection indicator)
LED2	Indicator lamp (Green-Microcomputer normality indicator)
LED3	Indicator lamp (Green-For service)
TB	Terminal block
Tho-A	Thermistor (outdoor air temperature)
Tho-D	Thermistor (discharge pipe)
Tho-R	Thermistor (heat exchanger)
Tho-S	Thermistor (suction pipe)
Tho-AF	Thermistor (power transistor)
TR	Trance former
20S	4-way valve coil

Mark	Color
BK	Black
BL	Blue
BR	Brown
GN	Green
OR	Orange
PK	Pink
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

1.Instructions for correct operation

◎ Before you turn on power,please carefully read the installation manual and the operation manual supplied with the unit.

◎ Please check the following points before operation.

① This unit is designed exclusively for use with R410A. Do not use any refrigerant other than R410A.

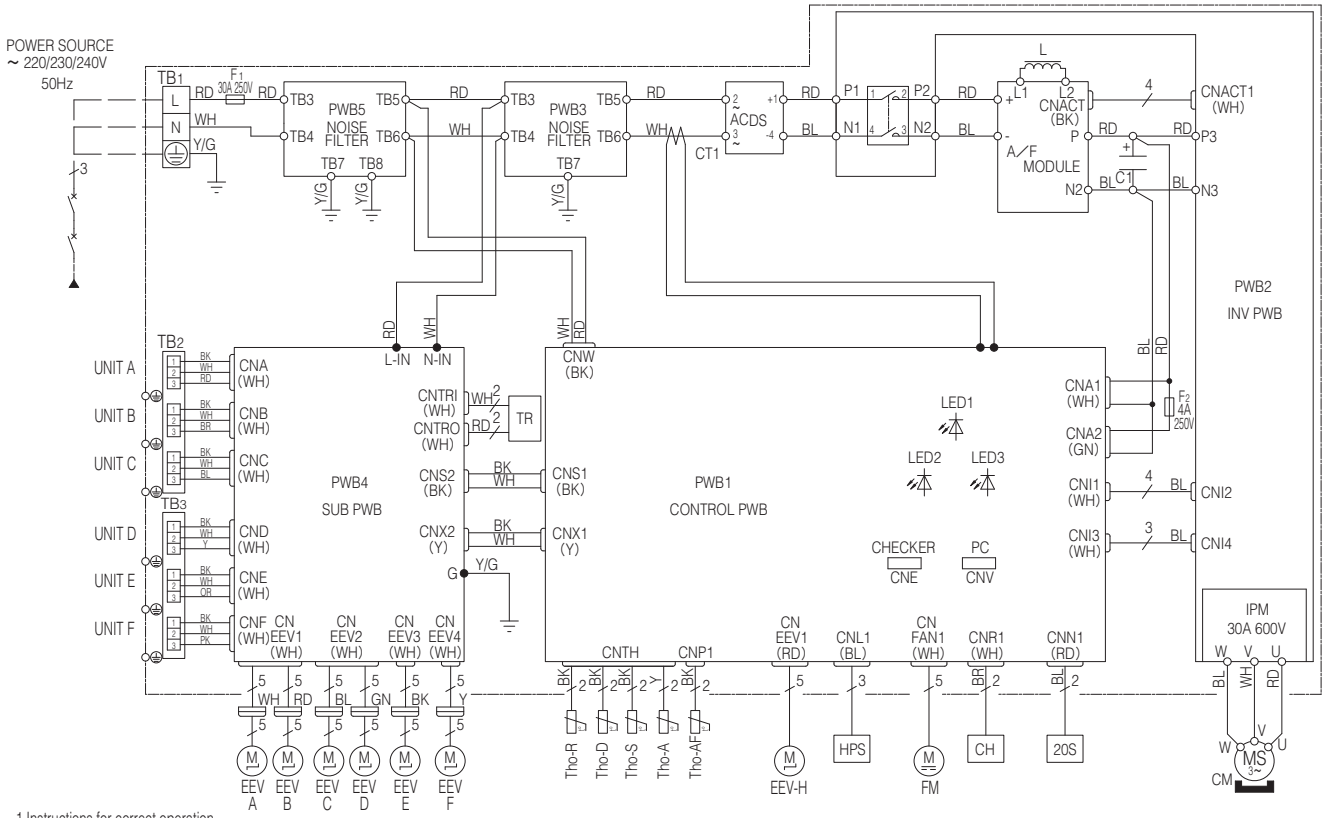
② To protect the compressor,turn on power for the air conditioner 6 hours before operation so as warm up sufficiently the dome temperature of compressor.

③ Open the service valves of liquid pipe at first. Secondarily open the one of gas pipe. Before you operate the unit,make sure again that the service valves are in open position.

④ Please note that the pressure valves detected at the charge port in the unit and the gas service valves are different during the cooling operation and the heating operation. High pressure is replaced with the low pressure depending on whether it is in the cooling or heating operation.

2.Error indication

INDICATION LAMP	COLOR	FUNCTION
LED E (1)	RED	WARNING LAMP
SELF DIAGNOSIS FUNCTION BY LED E		
1 TIME FLASH	CURRENT CUT	
2 TIME FLASH	TROUBLE OF OUTDOOR UNIT	
3 TIME FLASH	OVER CURRENT	
4 TIME FLASH	TRANSMISSION ERROR	
5 TIME FLASH	OVER HEAT OF COMPRESSOR	
6 TIME FLASH	ERROR OF SIGNAL TRANSMISSION	
8 TIME FLASH	SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)	
LIGHT ON	OUTDOOR FAN MOTOR ERROR	
FOUR SEC LIGHT AND FOUR SEC OFF	DISCHARGE PIPE SENSOR ERROR	



Mark	Name
A/F MODULE	Active filter module
CH	Crankcase heater
CM	Compressor motor
CNA~Z	Connector
CT	Current sensor
DS	Diode stack
EEV	Electronic expansion coil
EEV-H	Electronic expansion coil (For heating)
F	Fuse
FM	Fan motor
HPS	High pressure sensor
IPM	Intelligent power module
L	Reactor
LED1	Indicator lamp (Red-Inspection indicator)
LED2	Indicator lamp (Green-Microcomputer normality indicator)
LED3	Indicator lamp (Green-For service)
TB	Terminal block
Tho-A	Thermistor (outdoor air temperature)
Tho-D	Thermistor (discharge pipe)
Tho-R	Thermistor (heat exchanger)
Tho-S	Thermistor (suction pipe)
Tho-AF	Thermistor (power transistor)
TR	Trance former
20S	4-way valve coil

Mark	Color
BK	Black
BL	Blue
BR	Brown
GN	Green
OR	Orange
PK	Pink
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

1.Instructions for correct operation

◎ Before you turn on power,please carefully read the installation manual and the operation manual supplied with the unit.

◎ Please check the following points before operation.

① This unit is designed exclusively for use with R410A. Do not use any refrigerant other than R410A.

② To protect the compressor,turn on power for the air conditioner 6 hours before operation so as warm up sufficiently the dome temperature of compressor.

③ Open the service valves of liquid pipe at first. Secondarily open the one of gas pipe. Before you operate the unit,make sure again that the service valves are in open position.

④ Please note that the pressure valves detected at the charge port in the unit and the gas service valves are different during the cooling operation and the heating operation. High pressure is replaced with the low pressure depending on whether it is in the cooling or heating operation.

2.Error indication

INDICATION LAMP	COLOR	FUNCTION
LED E (1)	RED	WARNING LAMP
SELF DIAGNOSIS FUNCTION BY LED E		
1 TIME FLASH	CURRENT CUT	
2 TIME FLASH	TROUBLE OF OUTDOOR UNIT	
3 TIME FLASH	OVER CURRENT	
4 TIME FLASH	TRANSMISSION ERROR	
5 TIME FLASH	OVER HEAT OF COMPRESSOR	
6 TIME FLASH	ERROR OF SIGNAL TRANSMISSION	
8 TIME FLASH	SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)	
LIGHT ON	OUTDOOR FAN MOTOR ERROR	
FOUR SEC LIGHT AND FOUR SEC OFF	DISCHARGE PIPE SENSOR ERROR	

1.4. Noise levels

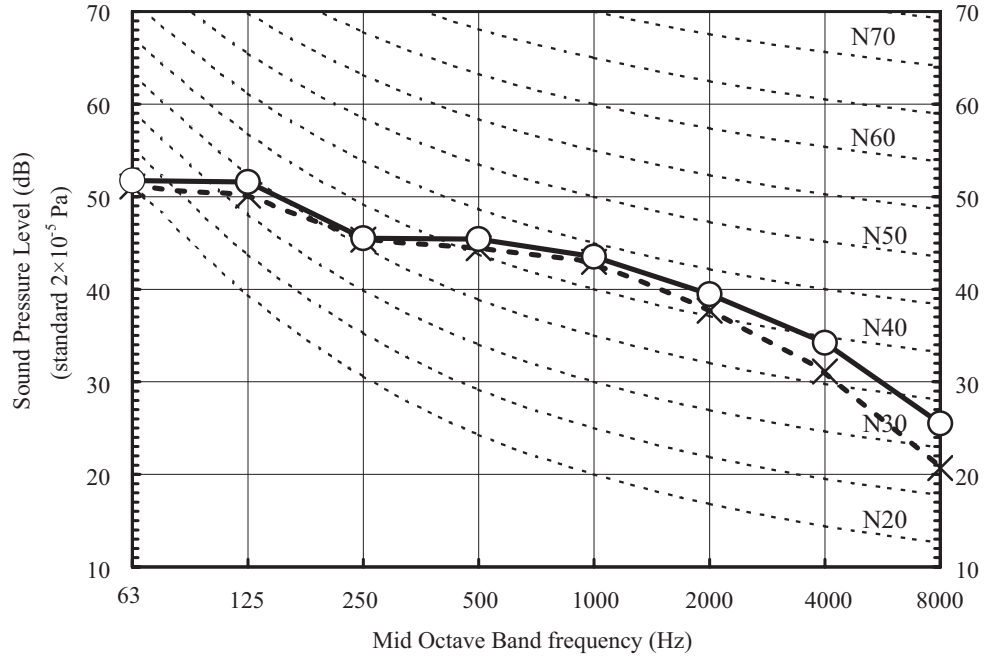
● Mike position: at highest noise level in position as mentined below

Distance from front side 1m.

Model	SCM40ZJ-S	
Noise Level	Cooling	47 dB(A)
	Heating	48 dB(A)

Condition	ISO-T1,JIS C9612

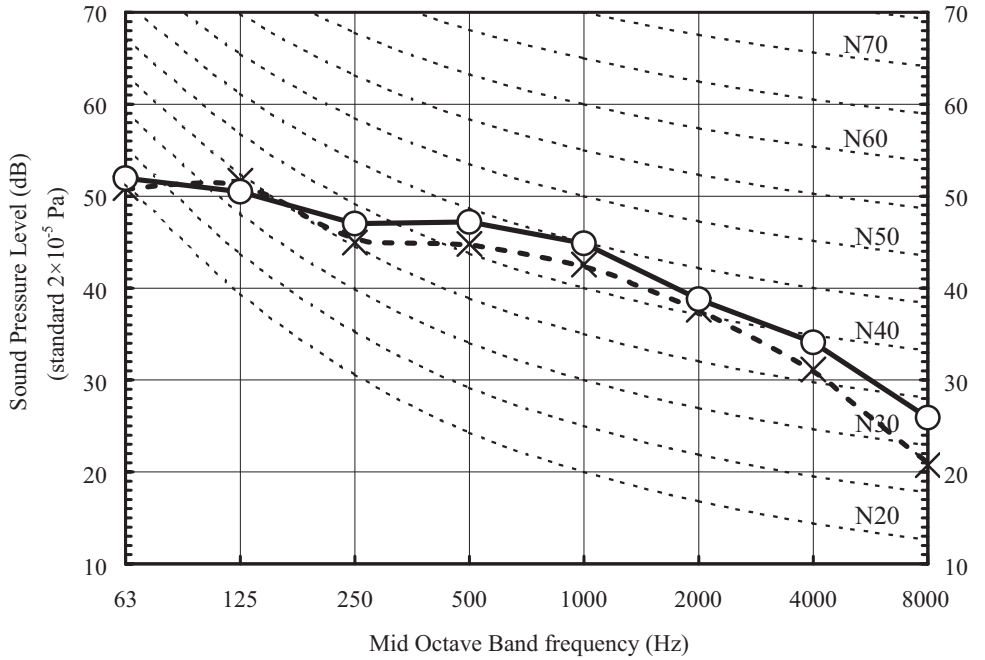
× ····· Cooling, ○ —— Heating



Model	SCM45ZJ-S	
Noise Level	Cooling	47 dB(A)
	Heating	49 dB(A)

Condition	ISO-T1,JIS C9612

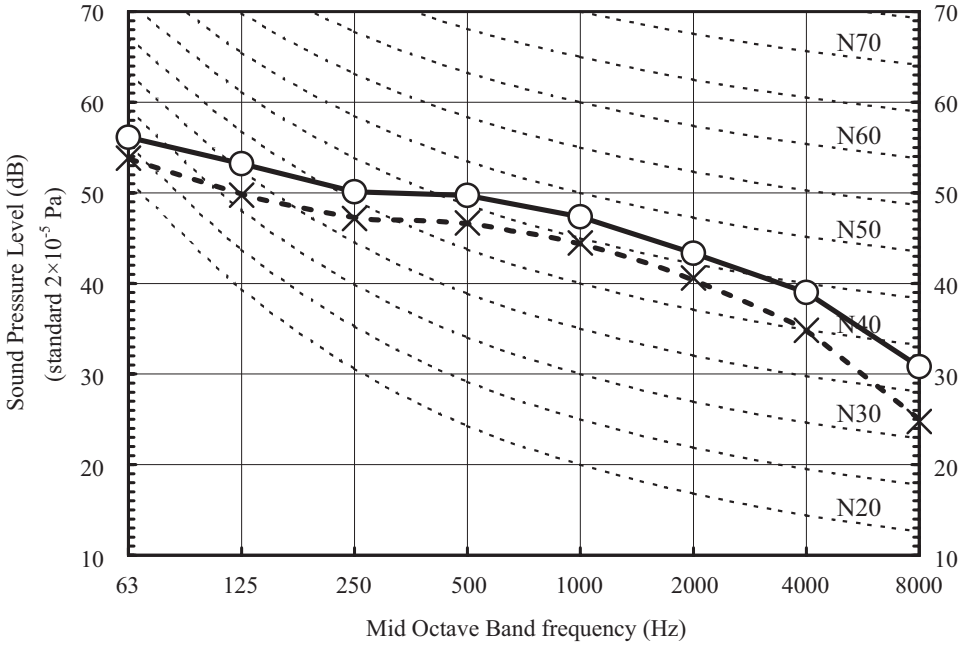
× ····· Cooling, ○ —— Heating



Model	SCM50ZJ-S1	
Noise Level	Cooling	49 dB(A)
	Heating	52 dB(A)

Condition	ISO-T1,JIS C9612

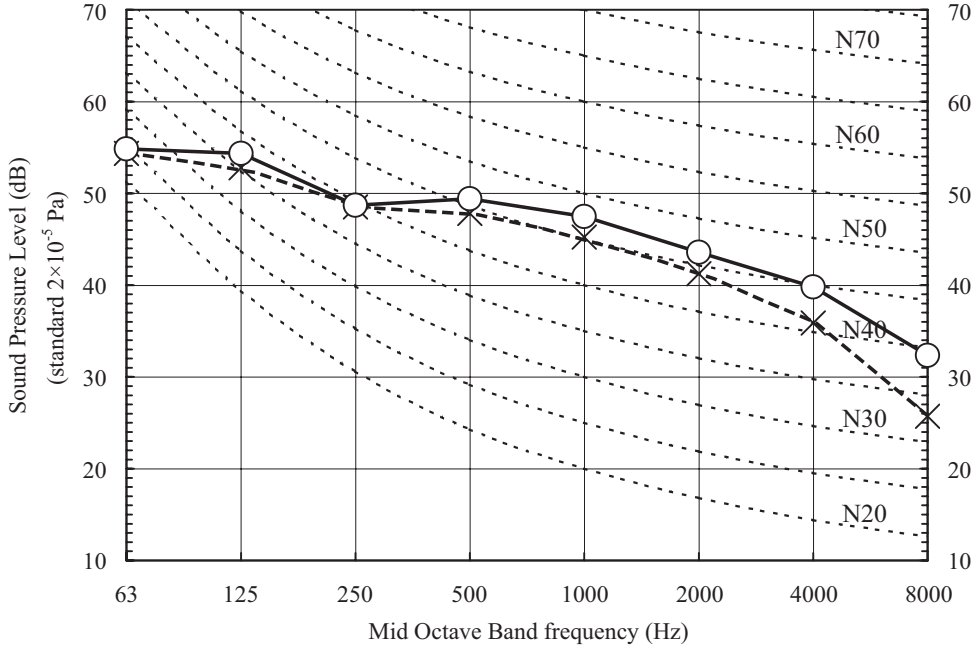
× ····· Cooling, ○ —— Heating



Model	SCM60ZJ-S1	
Noise Level	Cooling	50 dB(A)
	Heating	52 dB(A)

Condition	ISO-T1,JIS C9612

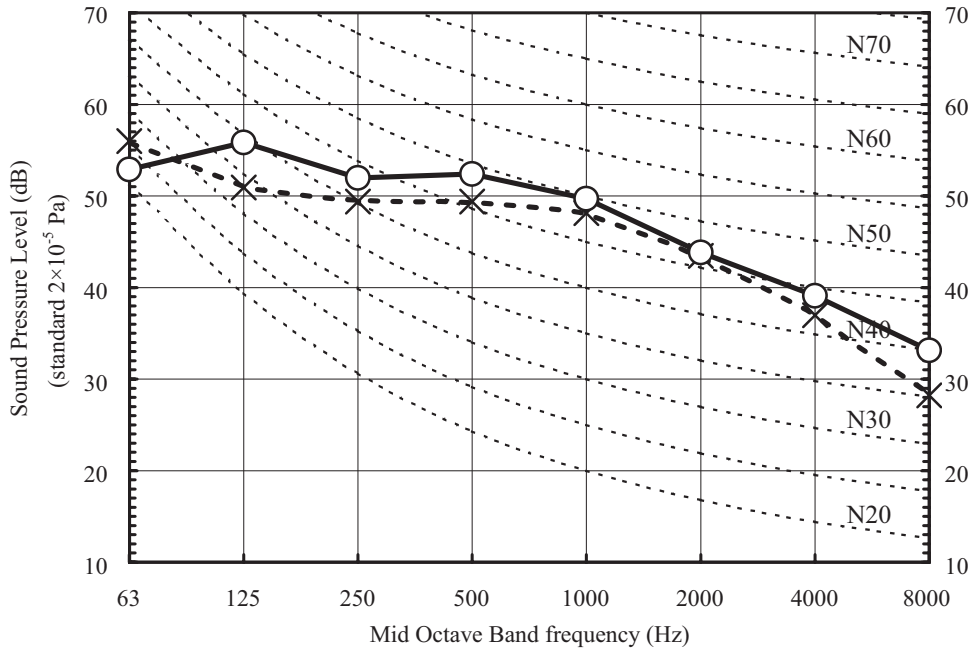
× ····· Cooling, ○ —— Heating



Model	SCM71ZJ-S1	
Noise Level	Cooling	52 dB(A)
	Heating	54 dB(A)

Condition	ISO-T1,JIS C9612

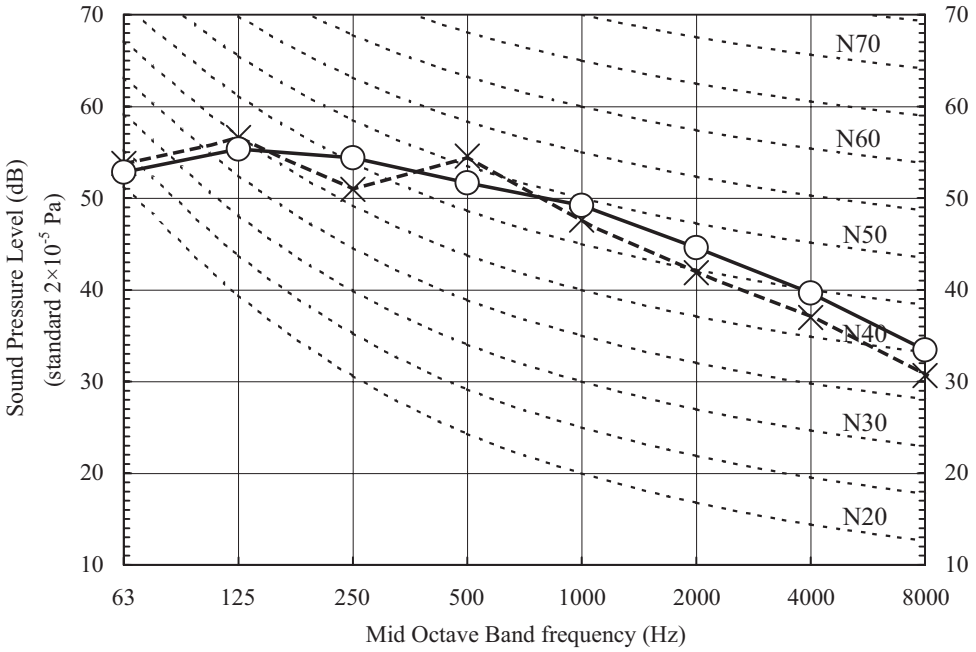
× ····· Cooling, ○ —— Heating



Model	SCM80ZJ-S1	
Noise Level	Cooling	54 dB(A)
	Heating	54 dB(A)

Condition	ISO-T1,JIS C9612

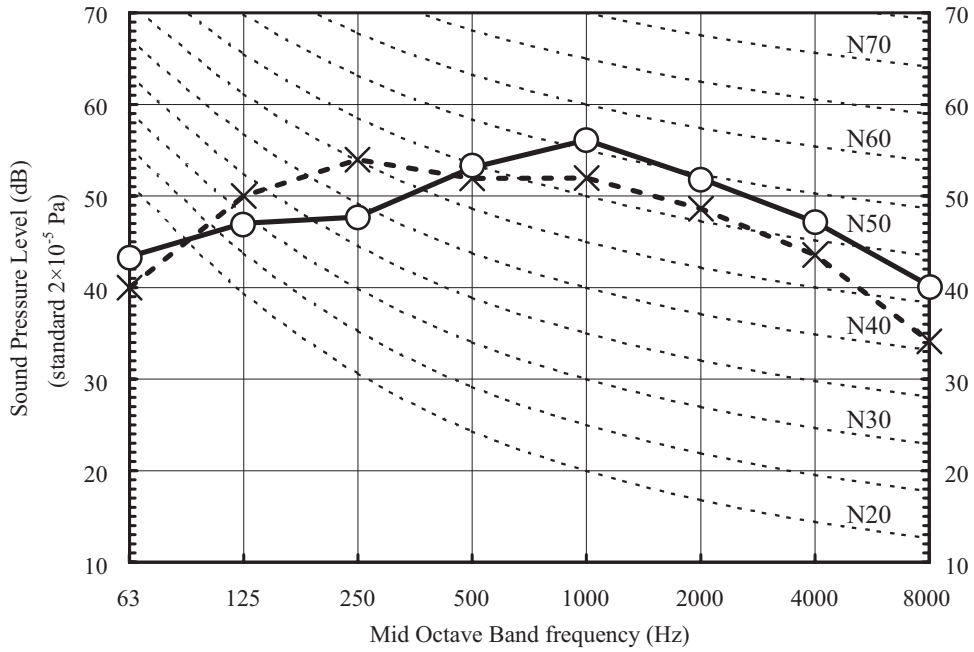
× ····· Cooling, ○ —— Heating



Model	SCM100ZJ-S1	
Noise Level	Cooling	56 dB(A)
	Heating	59 dB(A)

Condition	ISO-T1,JIS C9612

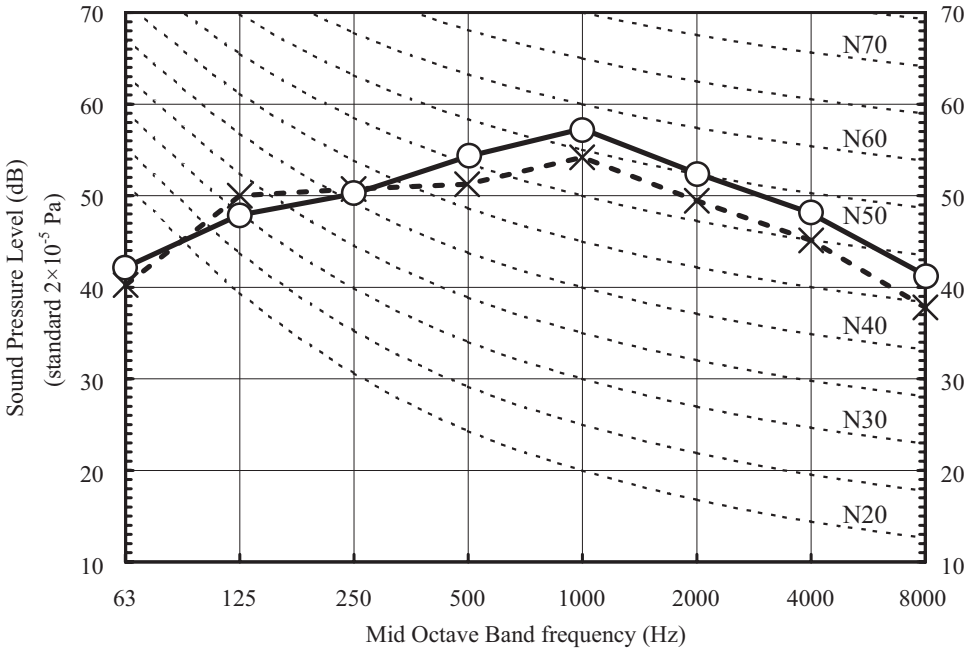
× ····· Cooling, ○ —— Heating



Model	SCM125ZJ-S1	
Noise Level	Cooling	57 dB(A)
	Heating	60 dB(A)

Condition	ISO-T1,JIS C9612

× ····· Cooling, ○ —— Heating



1.5. Installation manuals

(1) Models SCM40ZJ-S, 45ZJ-S

RPC012A915A

MULTI TYPE AIR CONDITIONER
R410A REFRIGERANT USED

• This installation manual deals with outdoor units and general installation specifications only. For indoor units, refer to page 104 to 139.
• When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠ WARNING and ⚠ CAUTION .
  ⚠ WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠ CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⃠	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

❗

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ensure the unit is stable when installed, so that it can withstand earthquakes and strong winds.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **Do not open the operation valves for liquid line and gas line until completed refrigerant piping work, air tightness test and evacuation.**
  If the compressor is operated in state of opening operation valves before completed connection of refrigerant piping work, air can be sucked into refrigerant circuit, which can cause bust or personal injury due to anomalously high pressure in the refrigerant.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:25A) with a contact separation of at least 3mm.**
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Be sure to fix up the service panels.**
  Incorrect fixing can cause electric shocks or fire due to intrusion of dust or water.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

⃠

- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

⏚

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

❗

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **After maintenance, all wiring, wiring ties and the like, should be returned to their original state and wiring route, and the necessary clearance from all metal parts should be secured.**
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Take care when carrying the unit by hand.**
  If the unit weights more than 20kg, it must be carried by two or more persons. Do not carry by the plastic straps, always use the carry handle when carrying the unit by hand. Use gloves to minimize the risk of cuts by the aluminum fins.
- **Dispose of any packing materials correctly.**
  Any remaining packing materials can cause personal injury as it contains nails and wood. And to avoid danger of suffocation, be sure to keep the plastic wrapper away from children and to dispose after tear it up.
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**

⃠

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.

⚠ CAUTION

- **Do not install the outdoor unit in the locations listed below.**
  - Locations where discharged hot air or operating sound of the outdoor unit can bother neighborhood.
  - Locations where outlet air of the outdoor unit blows directly to plants. The outlet air can affect adversely to the plant etc.
  - Locations where vibration can be amplified and transmitted due to insufficient strength of structure.
  - Locations where vibration and operation sound generated by the outdoor unit can affect seriously (on the wall or at the place near bed room).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect surrounding environment and cause a claim.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not install the outdoor unit in a location where insects and small animals can inhabit.**
  Insects and small animals can enter the electric parts and cause damage or fire. Instruct the user to keep the surroundings clean.
- **Do not use the base flame for outdoor unit which is corroded or damaged due to long periods of operation.**
  Using an old and damage base flame can cause the unit falling down and cause personal injury.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.
- **Do not touch the suction or aluminum fin on the outdoor unit.**
  This may cause injury.
- **Do not put anything on the outdoor unit and operating unit.**
  This may cause damage the objects or injury due to falling to the object.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
- **Do not clean up the unit with water.**

Check before installation work

- Model name and power source
- Refrigerant piping length
- Piping, wiring and miscellaneous small parts
- Indoor unit installation manual

Accessories for outdoor unit		Q'ty
①	Grommet (Heat pump type only)	1
②	Drain elbow (Heat pump type only)	1

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extension hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

Necessary tools for the installation work			
1	Plus headed driver	9	Wrench key (Hexagon) [4m/m]
2	Knife	10	Vacuum pump
3	Saw	11	Vacuum pump adapter (Anti-reverse flow type) (Designed specifically for R410A)
4	Tape measure	12	Gauge manifold (Designed specifically for R410A)
5	Hammer	13	Charge hose (Designed specifically for R410A)
6	Spanner wrench	14	Flaring tool set (Designed specifically for R410A)
7	Torque wrench [14.0～62.0N·m (1.4～6.2kgf·m)]	15	Gas leak detector (Designed specifically for R410A)
8	Hole core drill (65mm in diameter)	16	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)

1 SELECTION OF INSTALLATION LOCATION

Install at location that meets the following conditions after getting approval from the customer.

- Where the following installation space is available, and where air does not gather.
- Where rain and sunlight do not directly hit the unit, and where there is enough air circulation.
- Also, where the unit cannot be buried by snow.
  a location which can sustain the weight of the unit, and where noises and vibrations are not enhanced.
- Where blasts of cold or hot air and noise do not bother the neighbors.
- Where the unit does not receive heat radiation from other heat sources.
- Where there are no obstructions (animals, plants, etc.) to the suction inlet and blowing outlet.
- Where water may drain out.

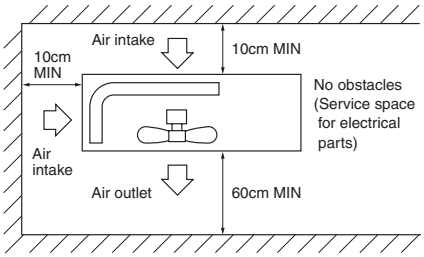
※ Please avoid the following locations.

- Where there is constant exposure to harsh winds such as the top floors of a building. Also, locations with exposure to salty air.
- Where there are oil splashes, vapor, and smoke.
- Where there are possibilities of flammable gas leaks.

① Installation Space (on a flat surface)

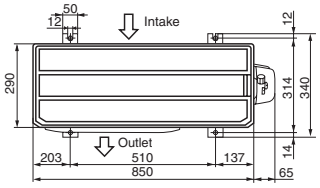
◎Blowing out port and suction port on the back side of the unit can be installed at a distance of 10cm from walls.
(In case the barrier is 1.2m or above in height, or is overhead, the sufficient space between the unit and wall shall be secured.)

○When the unit is installed, the space of the following dimension and above shall be secured.

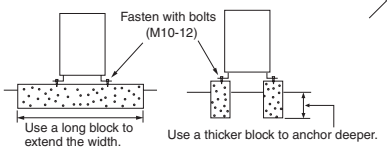


Installation

① Anchor bolt fixed position



② Notabilia for installation

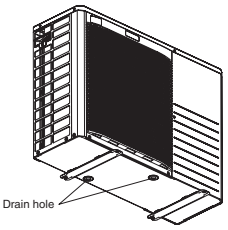


- In installing the unit, fix the unit's legs with bolts specified on the left.
- The protrusion of an anchor bolt on the front side must be kept within 15 mm.
- Securely install the unit so that it does not fall over during earthquakes or strong winds, etc.
- Refer to the above illustrations for information regarding concrete foundations.
- Install the unit in a level area. (With a gradient of 5 mm or less.)
  Improper installation can result in a compressor failure, broken piping within the unit and abnormal noise generation.

2 INSTALLATION OF OUTDOOR UNIT

Drainage

- There are 2 holes in the bottom panel of the outdoor unit to drain condensation.
- Install the outdoor unit so it will be horizontal.
- Also, secure the legs of the unit to a firm foundation to prevent any instabilities.
- Secure it firmly so the unit will not fall during earthquakes and from sudden gusts of wind.
- In areas where the temperatures drop below 0˚C for several continuous days, do not install a drain elbow. (water discharge could stop due to freezing.)



Connection of the power supply cable and the connecting cables for indoor and outdoor units.

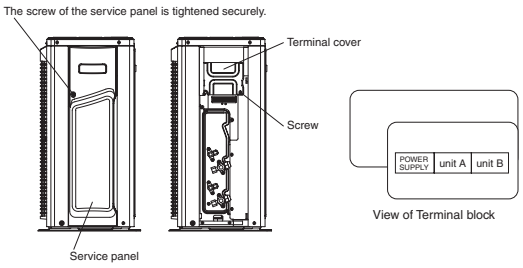
- This multi-type room air conditioner receives its power from outside.
- To ensure correct connections, mark each ends of the cables with number, A and B. It is important to use the same number the corresponding cables and pipes.
- An earth leakage breaker and a circuit breaker must be installed. Their capacities are 25A.

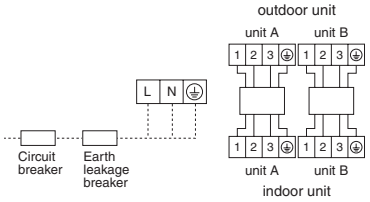
①Remove the service panel. (Remove the screw of the service panel.)
②Remove the terminal cover. (Remove the screw of the terminal cover.)
③Connect the power supply cable and the connection wire securely to the terminal block.

〔POWER SUPPLY CODE〕
CENELEC code for cables requiring fields cables. H05RNR3G4.0
〔INTERCONNECTING WIRING CODE〕
CENELEC code for cables requiring fields cables. H05RNR4G1.5

1) In wiring, make sure that the wire terminal numbers of outdoor unit terminal block are match to the wire terminal numbers of indoor unit terminal block.
2) Terminal number A of the outdoor unit is used for A indoor unit and terminal number B for B indoor unit respectively.

④After connecting the wire, use wiring clamps to secure the wiring.
⑤Fit the terminal cover and the service panel.

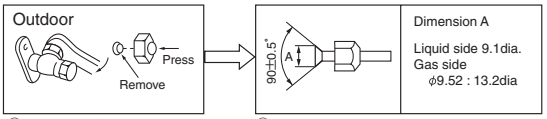




3 CONNECTION OF REFRIGERANT PIPINGS

[Connection of pipes]
NOTE

- Cover the pipes with tape so that dust and sand do not enter the pipe until they are connected.
- When connecting the pipes to the outdoor unit, be careful about the discharge of fluorocarbon gas or oil.
- Make sure to match the pipes between the indoor unit and the outdoor unit with the correct operation valves.



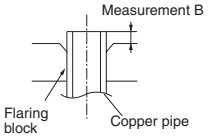
○Remove the flared nuts. (on both liquid and gas sides)
○Install the removed flared nuts to the pipes to be connected, then flare the pipes.

⚠ CAUTION
Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may crack depending on the conditions and refrigerant leak may occur.

⚠ CAUTION
Do not apply refrigerating machine oil to the flared surface.

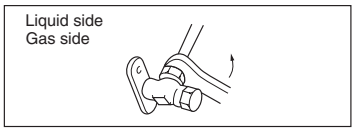
Copper pipe diameter	Measurement B (mm)		
	Clutch typr flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ϕ6.35	0.0～0.5	1.0～1.5	1.5～2.0
ϕ9.52	0.0～0.5	1.0～1.5	1.5～2.0

Use a flare tool designed for R410A or a conventional flare tool. Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a conventional flare tool is used, please use copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.



Connection

Outdoor

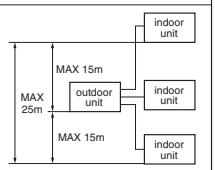


○Connect the pipes on both liquid and gas sides.
○Tighten the nuts to the following torque.
Liquid side : 14.0～18.0N･m (1.4～1.8kgf･m)
Gas side (ϕ9.52): 33.0～42.0N･m (3.3～4.2kgf･m)

Gas Leakage Test

- Ensure that there are no gas leaks from the pipe joints by using a leak detector or soap water.

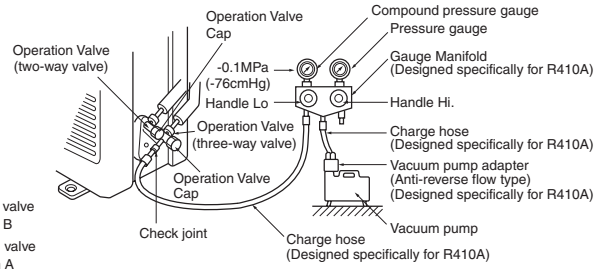
[Limit]

piping length	one indoor unit MAX 25m all indoor unit MAX 30m
hight difference	
length of chargeless refrigerant pipe	30m

4 AIR PURGING

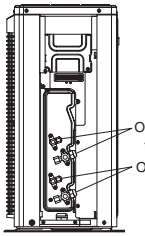
NOTE : Fully open the operation valves (on both liquid and gas sides) after completing air purging.

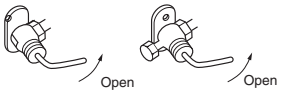
- Since the system uses service ports differing in diameter from those found on the conventional models, a charge hose (for R22) presently in use is not applicable. Please use one designed specifically for R410A.
- Remove the cap on both gas and liquid sides before starting operation.
- After completing the operation, do not forget to tighten the cap (gas may leak).
- Please use an anti-reverse flow type vacuum pump adapter so as to prevent vacuum pump oil from running back into the system. Oil running back into an air-conditioning system may cause the refrigerant cycle to break down.
- Conduct air purging for all connected indoor units.



Procedure

(1) Secure all flare nuts on both indoor and outdoor sides to prevent leaks from the pipes.
(2) Connect the operation valves, charge hose, manifold valve and vacuum pump as shown in the right figure.
(3) Fully open the handle Lo for the manifold valve, and pump a vacuum for 15 minutes. Ensure that the meter is indicating -0.1MPa (-76cmHg).
(4) After vacuuming, fully open the operation valve (both liquid and gas sides) with a hexagon wrench.





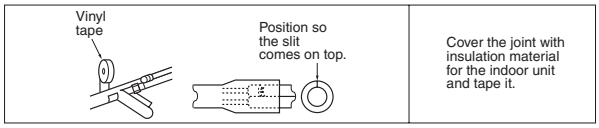
(5) Remove the charge hose from service port.
(6) Repeat the above steps (1) ~ (5) for all connected indoor units.
(7) Ensure that there are no gas leaks from the joints in the indoor and outdoor units.

Securely tighten the operation valve cap and the check joint blind nut after adjustment.

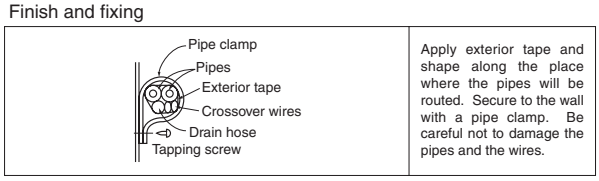
Operation valve size (mm)	Operation valve cap tightening torque (N·m)	Check joint blind nut tightening torque (N·m)
ϕ 6.35 (1/4")	20～30	10～12
ϕ 9.52 (3/8")		

5 HEAT INSULATION FOR JOINTS

Heat insulation for joints



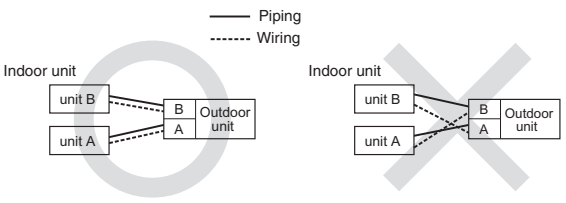
Finish and fixing



7 BEWARE OF WRONG CONNECTIONS IN REFRIGERANT PIPING AND WIRING

- Make sure to match the piping and wiring from each unit to the outdoor unit.
- Be careful because if connections are wrong, normal operation cannot be achieved and may damage the compressor.

[Correct connections] [Example of wrong connections]



EARTHING WORK

○ Earth work shall be carried out without fail in order to prevent electric shock and noise generation.
○ The connection of the earth cable to the following substances causes dangerous failures, therefore it shall never be done. (City water pipe, Town gas pipe, TV antenna, lightning conductor, telephoneline, etc.)

6 TEST RUN AND HANDLING INSTRUCTIONS

Installation test check points

Check the following points again after completion of the installation, and before turning on the power.
Conduct a test run again and ensure that the unit operates properly.
At the same time, explain to the customer how to use the unit and how to take care of the unit following the installation manual.
If the compressor does not operate after the operation has started, wait for 5-10 minutes. (This may be due to delayed start.)
(Three-minutes restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3minutes. This is to protect the unit and it is not a malfunction.

After installation

- ☐ The power supply voltage is correct as the rating.
- ☐ No gas leaks from the joints of the operation valve.
- ☐ Power cables and crossover wires are securely fixed to the terminal board.
- ☐ Each indoor and outdoor unit is properly connected (no wrong wiring or piping).
- ☐ Operation valve is fully open.
- ☐ Refrigerant has been additionally charged (when the total pipe length exceeds the refrigerant charged pipe length).
- ☐ The pipe joints for indoor and outdoor pipes have been insulated.
- ☐ Earthing work has been conducted properly.
- ☐ The screw of the service panel is tightened securely.

Test run

- ☐ Air conditioning and heating are normal.
- ☐ No abnormal noise.
- ☐ Water drains smoothly.
- ☐ Protective functions are not working.
- ☐ Operation of the unit has been explained to the customer.
- ☐ The remote control is normal.

Operation of indicator lamps

INDICATION LAMP	COLOR	FUNCTION
LED E (1)	RED	WARNING LAMP
SELF DIAGNOSIS FUNCTION BY LED E		
1 TIME FLASH	CURRENT CUT	
2 TIME FLASH	TROUBLE OF OUTDOOR UNIT	
3 TIME FLASH	OVER CURRENT	
4 TIME FLASH	TRANSMISSION ERROR IN OUTDOOR UNIT PCB	
5 TIME FLASH	OVER HEAT OF COMPRESSOR	
6 TIME FLASH	ERROR OF SIGNAL TRANSMISSION	
7 TIME FLASH	LOCK OF COMPRESSOR	
8 TIME FLASH	SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)	
LIGHT ON	OUTDOOR FAN MOTOR ERROR	
FOUR SEC LIGHT AND FOUR SEC OFF	DISCHARGE PIPE SENSOR ERROR	

(2) Models SCM50ZJ-S1, 60ZJ-S1

RPC012A916C

MULTI TYPE AIR CONDITIONER
R410A REFRIGERANT USED

• This installation manual deals with outdoor units and general installation specifications only. For indoor units, refer to page 104 to 139.
• When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠ WARNING and ⚠ CAUTION .
  ⚠ WARNING: Wrong installation would cause serious consequences such as injuries or death.
  ⚠ CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⊘	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

❗

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ensure the unit is stable when installed, so that it can withstand earthquakes and strong winds.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **Do not open the operation valves for liquid line and gas line until completed refrigerant piping work, air tightness test and evacuation.**
  If the compressor is operated in state of opening operation valves before completed connection of refrigerant piping work, air can be sucked into refrigerant circuit, which can cause bust or personal injury due to anomalously high pressure in the refrigerant.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:25A) with a contact separation of at least 3mm.**
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Be sure to fix up the service panels.**
  Incorrect fixing can cause electric shocks or fire due to intrusion of dust or water.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

⊘

- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

⏚

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

❗

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **After maintenance, all wiring, wiring ties and the like, should be returned to their original state and wiring route, and the necessary clearance from all metal parts should be secured.**
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Take care when carrying the unit by hand.**
  If the unit weights more than 20kg, it must be carried by two or more persons. Do not carry by the plastic straps, always use the carry handle when carrying the unit by hand. Use gloves to minimize the risk of cuts by the aluminum fins.
- **Dispose of any packing materials correctly.**
  Any remaining packing materials can cause personal injury as it contains nails and wood. And to avoid danger of suffocation, be sure to keep the plastic wrapper away from children and to dispose after tear it up.
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**

⊘

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.

⚠ CAUTION

- **Do not install the outdoor unit in the locations listed below.**
  - Locations where discharged hot air or operating sound of the outdoor unit can bother neighborhood.
  - Locations where outlet air of the outdoor unit blows directly to plants. The outlet air can affect adversely to the plant etc.
  - Locations where vibration can be amplified and transmitted due to insufficient strength of structure.
  - Locations where vibration and operation sound generated by the outdoor unit can affect seriously (on the wall or at the place near bed room).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect surrounding environment and cause a claim.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not install the outdoor unit in a location where insects and small animals can inhabit.**
  Insects and small animals can enter the electric parts and cause damage or fire. Instruct the user to keep the surroundings clean.
- **Do not use the base flame for outdoor unit which is corroded or damaged due to long periods of operation.**
  Using an old and damage base flame can cause the unit falling down and cause personal injury.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.
- **Do not touch the suction or aluminum fin on the outdoor unit.**
  This may cause injury.
- **Do not put anything on the outdoor unit and operating unit.**
  This may cause damage the objects or injury due to falling to the object.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
- **Do not clean up the unit with water.**

Check before installation work

- Model name and power source
- Refrigerant piping length
- Piping, wiring and miscellaneous small parts
- Indoor unit installation manual

Accessories for outdoor unit			Q'ty
①	Grommet (Heat pump type only)		1
②	Drain elbow (Heat pump type only)		1
③	Variable diameter joint ϕ9.52⇒ϕ12.7	SCM50	1
		SCM60	2

Note: Provide flare nuts when using the variable diameter joint (for ϕ12.7).

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extension hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

Necessary tools for the installation work			
1	Plus headed driver	9	Wrench key (Hexagon) [4m/m]
2	Knife	10	Vacuum pump
3	Saw	11	Vacuum pump adapter (Anti-reverse flow type) (Designed specifically for R410A)
4	Tape measure	12	Gauge manifold (Designed specifically for R410A)
5	Hammer	13	Charge hose (Designed specifically for R410A)
6	Spanner wrench	14	Flaring tool set (Designed specifically for R410A)
7	Torque wrench [14.0～62.0N·m (1.4～6.2kgf·m)]	15	Gas leak detector (Designed specifically for R410A)
8	Hole core drill (65mm in diameter)	16	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)

CAUTION • This model requires a minimum of 2 indoor units.

1 SELECTION OF INSTALLATION LOCATION

Install at location that meets the following conditions after getting approval from the customer.

- Where the following installation space is available, and where air does not gather.
- Where rain and sunlight do not directly hit the unit, and where there is enough air circulation.
- Also, where the unit cannot be buried by snow.
  a location which can sustain the weight of the unit, and where noises and vibrations are not enhanced.
- Where blasts of cold or hot air and noise do not bother the neighbors.
- Where the unit does not receive heat radiation from other heat sources.
- Where there are no obstructions (animals, plants, etc.) to the suction inlet and blowing outlet.
- Where water may drain out.

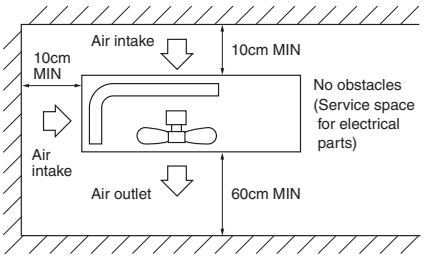
※ Please avoid the following locations.

- Where there is constant exposure to harsh winds such as the top floors of a building. Also, locations with exposure to salty air.
- Where there are oil splashes, vapor, and smoke.
- Where there are possibilities of flammable gas leaks.

① Installation Space (on a flat surface)

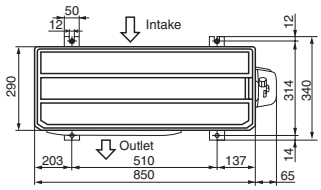
◎Blowing out port and suction port on the back side of the unit can be installed at a distance of 10cm from walls.
(In case the barrier is 1.2m or above in height, or is overhead, the sufficient space between the unit and wall shall be secured.)

○When the unit is installed, the space of the following dimension and above shall be secured.

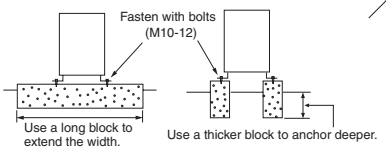


Installation

① Anchor bolt fixed position



② Notabilia for installation

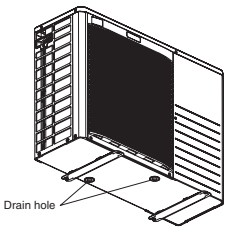


- In installing the unit, fix the unit's legs with bolts specified on the left.
- The protrusion of an anchor bolt on the front side must be kept within 15 mm.
- Securely install the unit so that it does not fall over during earthquakes or strong winds, etc.
- Refer to the above illustrations for information regarding concrete foundations.
- Install the unit in a level area. (With a gradient of 5 mm or less.)
  Improper installation can result in a compressor failure, broken piping within the unit and abnormal noise generation.

2 INSTALLATION OF OUTDOOR UNIT

Drainage

- There are 2 holes in the bottom panel of the outdoor unit to drain condensation.
- Install the outdoor unit so it will be horizontal.
- Also, secure the legs of the unit to a firm foundation to prevent any instabilities.
- Secure it firmly so the unit will not fall during earthquakes and from sudden gusts of wind.
- In areas where the temperatures drop below 0˚C for several continuous days, do not install a drain elbow. (water discharge could stop due to freezing.)



Connection of the power supply cable and the connecting cables for indoor and outdoor units.

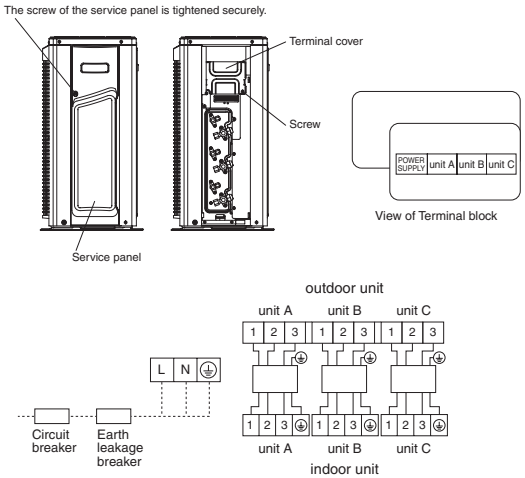
- This multi-type room air conditioner receives its power from outside.
- To ensure correct connections, mark each ends of the cables with number, A to C. It is important to use the same number the corresponding cables and pipes.
- An earth leakage breaker and a circuit breaker must be installed. Their capacities are 25A.

①Remove the service panel. (Remove the screw of the service panel.)
②Remove the terminal cover. (Remove the screw of the terminal cover.)
③Connect the power supply cable and the connection wire securely to the terminal block.

〔POWER SUPPLY CODE〕
CENELEC code for cables requiring fields cables. H05RNR3G4.0
〔INTERCONNECTING WIRING CODE〕
CENELEC code for cables requiring fields cables. H05RNR4G1.5

1) In wiring, make sure that the wire terminal numbers of outdoor unit terminal block are match to the wire terminal numbers of indoor unit terminal block.
2) Terminal number A of the outdoor unit is used for A indoor unit and terminal number B for B indoor unit respectively.

④After connecting the wire, use wiring clamps to secure the wiring.
⑤Fit the terminal cover and the service panel.

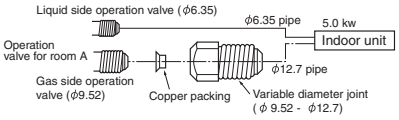


3 CONNECTION OF REFRIGERANT PIPINGS

- Regarding the change in the sizes of gas side pipes (usage of the variable joints); If a 5.0, 6.0 kw class indoor unit (gas side pipe 12.7) is going to be connected to the operation valves (9.52), variable joints available as accessories must be applied to the gas side operation valves.
- Securely fit the copper packing between the operation valve and the variable diameter joint to prevent shifting.

[Examples of use of variable diameter joints]

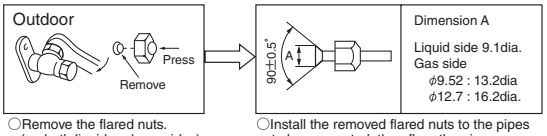
●Connection of indoor unit of Class 5.0 to A unit.



[Connection of pipes]

NOTE

- Cover the pipes with tape so that dust and sand do not enter the pipe until they are connected.
- When connecting the pipes to the outdoor unit, be careful about the discharge of fluorocarbon gas or oil.
- Make sure to match the pipes between the indoor unit and the outdoor unit with the correct operation valves.

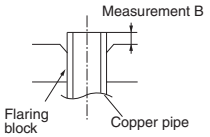


○Remove the flared nuts. (on both liquid and gas sides)

○Install the removed flared nuts to the pipes to be connected, then flare the pipes.

Copper pipe diameter	Measurement B (mm)		
	Clutch typr flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ϕ6.35	0.0～0.5	1.0～1.5	1.5～2.0
ϕ9.52	0.0～0.5	1.0～1.5	1.5～2.0
ϕ12.7	0.0～0.5	1.0～1.5	2.0～2.5

Use a flare tool designed for R410A or a conventional flare tool. Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a conventional flare tool is used, please use copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

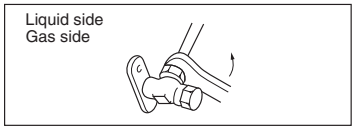


⚠ CAUTION
Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may crack depending on the conditions and refrigerant leak may occur.

⚠ CAUTION
Do not apply refrigerating machine oil to the flared surface.

Connection

Outdoor

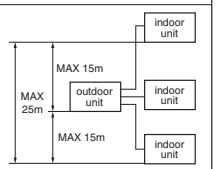


○Connect the pipes on both liquid and gas sides.
○Tighten the nuts to the following torque.
Liquid side : 14.0～18.0N･m (1.4～1.8kgf･m)
Gas side (ϕ9.52): 33.0～42.0N･m (3.3～4.2kgf･m)
(ϕ12.7): 49.0～61.0N･m (4.9～6.1kgf･m)

Gas Leakage Test

●Ensure that there are no gas leaks from the pipe joints by using a leak detector or soap water.

[Limit]

piping length	one indoor unit MAX 25m all indoor unit MAX 40m
hight difference	
length of chargeless refrigerant pipe	40m

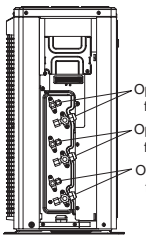
4 AIR PURGING

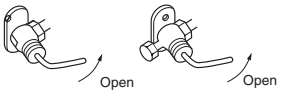
NOTE : Fully open the operation valves (on both liquid and gas sides) after completing air purging.

- Since the system uses service ports differing in diameter from those found on the conventional models, a charge hose (for R22) presently in use is not applicable. Please use one designed specifically for R410A.
- Remove the cap on both gas and liquid sides before starting operation.
- After completing the operation, do not forget to tighten the cap (gas may leak).
- Please use an anti-reverse flow type vacuum pump adapter so as to prevent vacuum pump oil from running back into the system. Oil running back into an air-conditioning system may cause the refrigerant cycle to break down.
- Conduct air purging for all connected indoor units.

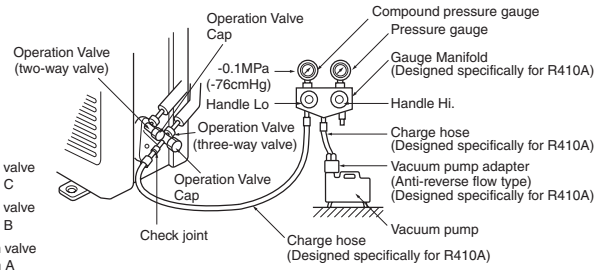
Procedure

(1) Secure all flare nuts on both indoor and outdoor sides to prevent leaks from the pipes.
(2) Connect the operation valves, charge hose, manifold valve and vacuum pump as shown in the right figure.
(3) Fully open the handle Lo for the manifold valve, and pump a vacuum for 15 minutes. Ensure that the meter is indicating -0.1MPa (-76cmHg).
(4) After vacuuming, fully open the operation valve (both liquid and gas sides) with a hexagon wrench.





(5) Remove the charge hose from service port.
(6) Repeat the above steps (1) ~ (5) for all connected indoor units.
(7) Ensure that there are no gas leaks from the joints in the indoor and outdoor units.

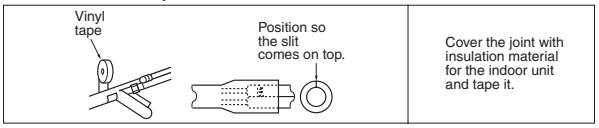


Securely tighten the operation valve cap and the check joint blind nut after adjustment.

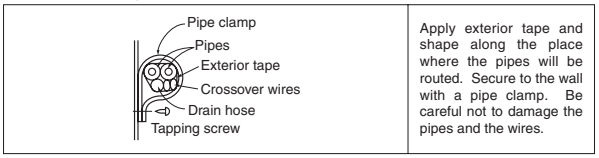
Operation valve size (mm)	Operation valve cap tightening torque (N·m)	Check joint blind nut tightening torque (N·m)
ϕ6.35 (1/4")	20～30	10～12
ϕ9.52 (3/8")		
ϕ12.7 (1/2")	25～35	

5 HEAT INSULATION FOR JOINTS

Heat insulation for joints



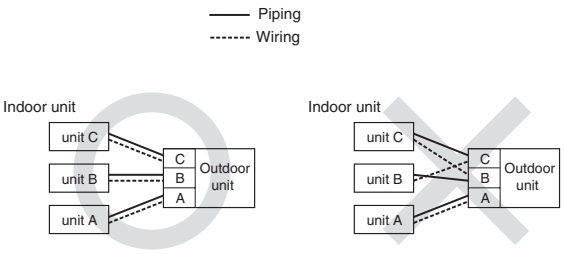
Finish and fixing



7 BEWARE OF WRONG CONNECTIONS IN REFRIGERANT PIPING AND WIRING

- Make sure to match the piping and wiring from each unit to the outdoor unit.
- Be careful because if connections are wrong, normal operation cannot be achieved and may damage the compressor.

[Correct connections] [Example of wrong connections]



EARTHING WORK

○ Earth work shall be carried out without fail in order to prevent electric shock and noise generation.
○ The connection of the earth cable to the following substances causes dangerous failures, therefore it shall never be done. (City water pipe, Town gas pipe, TV antenna, lightning conductor, telephoneline, etc.)

6 TEST RUN AND HANDLING INSTRUCTIONS

Installation test check points

Check the following points again after completion of the installation, and before turning on the power.
Conduct a test run again and ensure that the unit operates properly.
At the same time, explain to the customer how to use the unit and how to take care of the unit following the installation manual.
If the compressor does not operate after the operation has started, wait for 5-10 minutes. (This may be due to delayed start.)
(Three-minutes restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3minutes. This is to protect the unit and it is not a malfunction.

After installation

☐ The power supply voltage is correct as the rating.
☐ No gas leaks from the joints of the operation valve.
☐ Power cables and crossover wires are securely fixed to the terminal board.
☐ Each indoor and outdoor unit is properly connected (no wrong wiring or piping).
☐ Operation valve is fully open.
☐ Refrigerant has been additionally charged (when the total pipe length exceeds the refrigerant charged pipe length).
☐ The pipe joints for indoor and outdoor pipes have been insulated.
☐ Earthing work has been conducted properly.
☐ The screw of the service panel is tightened securely.

Test run

☐ Air conditioning and heating are normal.
☐ No abnormal noise.
☐ Water drains smoothly.
☐ Protective functions are not working.
☐ Operation of the unit has been explained to the customer.
☐ The remote control is normal.

Operation of indicator lamps

INDICATION LAMP	COLOR	FUNCTION
LED E (1)	RED	WARNING LAMP
SELF DIAGNOSIS FUNCTION BY LED E		
1 TIME FLASH	CURRENT CUT	
2 TIME FLASH	TROUBLE OF OUTDOOR UNIT	
3 TIME FLASH	OVER CURRENT	
4 TIME FLASH	TRANSMISSION ERROR IN OUTDOOR UNIT PCB	
5 TIME FLASH	OVER HEAT OF COMPRESSOR	
6 TIME FLASH	ERROR OF SIGNAL TRANSMISSION	
7 TIME FLASH	LOCK OF COMPRESSOR	
8 TIME FLASH	SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)	
LIGHT ON	OUTDOOR FAN MOTOR ERROR	
FOUR SEC LIGHT AND FOUR SEC OFF	DISCHARGE PIPE SENSOR ERROR	

(3) Models SCM71ZJ-S1, 80ZJ-S1

RPC012A913B

MULTI TYPE AIR CONDITIONER
R410A REFRIGERANT USED

• This installation manual deals with outdoor units and general installation specifications only. For indoor units, refer to page104 to 139.
• When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION .
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⊘	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

❗

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ensure the unit is stable when installed, so that it can withstand earthquakes and strong winds.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **Do not open the operation valves for liquid line and gas line until completed refrigerant piping work, air tightness test and evacuation.**
  If the compressor is operated in state of opening operation valves before completed connection of refrigerant piping work, air can be sucked into refrigerant circuit, which can cause bust or personal injury due to anomalously high pressure in the refrigerant.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:25A) with a contact separation of at least 3mm.**
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Be sure to fix up the service panels.**
  Incorrect fixing can cause electric shocks or fire due to intrusion of dust or water.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

⊘

- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

⏚

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

❗

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **After maintenance, all wiring, wiring ties and the like, should be returned to their original state and wiring route, and the necessary clearance from all metal parts should be secured.**
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Take care when carrying the unit by hand.**
  If the unit weights more than 20kg, it must be carried by two or more persons. Do not carry by the plastic straps, always use the carry handle when carrying the unit by hand. Use gloves to minimize the risk of cuts by the aluminum fins.
- **Dispose of any packing materials correctly.**
  Any remaining packing materials can cause personal injury as it contains nails and wood. And to avoid danger of suffocation, be sure to keep the plastic wrapper away from children and to dispose after tear it up.
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**

⊘

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.

⚠ CAUTION

- **Do not install the outdoor unit in the locations listed below.**
  - Locations where discharged hot air or operating sound of the outdoor unit can bother neighborhood.
  - Locations where outlet air of the outdoor unit blows directly to plants. The outlet air can affect adversely to the plant etc.
  - Locations where vibration can be amplified and transmitted due to insufficient strength of structure.
  - Locations where vibration and operation sound generated by the outdoor unit can affect seriously (on the wall or at the place near bed room).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect surrounding environment and cause a claim.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not install the outdoor unit in a location where insects and small animals can inhabit.**
  Insects and small animals can enter the electric parts and cause damage or fire. Instruct the user to keep the surroundings clean.
- **Do not use the base flame for outdoor unit which is corroded or damaged due to long periods of operation.**
  Using an old and damage base flame can cause the unit falling down and cause personal injury.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.
- **Do not touch the suction or aluminum fin on the outdoor unit.**
  This may cause injury.
- **Do not put anything on the outdoor unit and operating unit.**
  This may cause damage the objects or injury due to falling to the object.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
- **Do not clean up the unit with water.**

Check before installation work

- Model name and power source
- Refrigerant piping length
- Piping, wiring and miscellaneous small parts
- Indoor unit installation manual

Accessories for outdoor unit	Q'ty
① Grommet (Heat pump type only)	2
② Drain elbow (Heat pump type only)	1
③ Variable diameter joint ϕ9.52⇒ϕ12.7	2

Note: Provide flare nuts when using the variable diameter joint (for ϕ12.7).

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extension hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

Necessary tools for the installation work			
1	Plus headed driver	9	Wrench key (Hexagon) [4m/m]
2	Knife	10	Vacuum pump
3	Saw	11	Vacuum pump adapter (Anti-reverse flow type) (Designed specifically for R410A)
4	Tape measure	12	Gauge manifold (Designed specifically for R410A)
5	Hammer	13	Charge hose (Designed specifically for R410A)
6	Spanner wrench	14	Flaring tool set (Designed specifically for R410A)
7	Torque wrench [14.0～62.0N·m (1.4～6.2kgf·m)]	15	Gas leak detector (Designed specifically for R410A)
8	Hole core drill (65mm in diameter)	16	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)

CAUTION • This model requires a minimum of 2 indoor units.

1 SELECTION OF INSTALLATION LOCATION

Install at location that meets the following conditions after getting approval from the customer.

- Where the following installation space is available, and where air does not gather.
- Where rain and sunlight do not directly hit the unit, and where there is enough air circulation.
- Also, where the unit cannot be buried by snow.
  a location which can sustain the weight of the unit, and where noises and vibrations are not enhanced.
- Where blasts of cold or hot air and noise do not bother the neighbors.
- Where the unit does not receive heat radiation from other heat sources.
- Where there are no obstructions (animals, plants, etc.) to the suction inlet and blowing outlet.
- Where water may drain out.

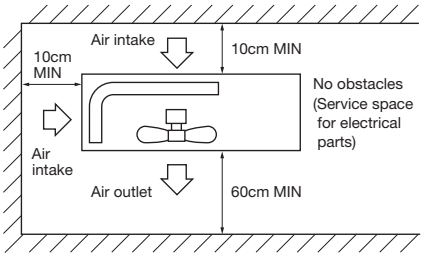
※ Please avoid the following locations.

- Where there is constant exposure to harsh winds such as the top floors of a building. Also, locations with exposure to salty air.
- Where there are oil splashes, vapor, and smoke.
- Where there are possibilities of flammable gas leaks.

① Installation Space (on a flat surface)

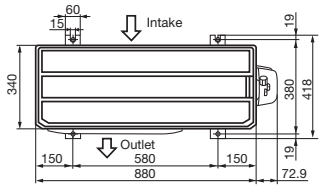
◎Blowing out port and suction port on the back side of the unit can be installed at a distance of 10cm from walls.
(In case the barrier is 1.2m or above in height, or is overhead, the sufficient space between the unit and wall shall be secured.)

○When the unit is installed, the space of the following dimension and above shall be secured.

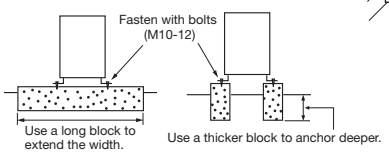


Installation

① Anchor bolt fixed position



② Notabilia for installation

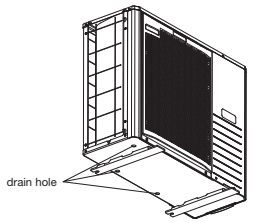


- In installing the unit, fix the unit's legs with bolts specified on the left.
- The protrusion of an anchor bolt on the front side must be kept within 15 mm.
- Securely install the unit so that it does not fall over during earthquakes or strong winds, etc.
- Refer to the above illustrations for information regarding concrete foundations.
- Install the unit in a level area. (With a gradient of 5 mm or less.)
  Improper installation can result in a compressor failure, broken piping within the unit and abnormal noise generation.

2 INSTALLATION OF OUTDOOR UNIT

Drainage

- There are 3 holes in the bottom panel of the outdoor unit to drain condensation.
- Install the outdoor unit so it will be horizontal.
- Also, secure the legs of the unit to a firm foundation to prevent any instabilities.
- Secure it firmly so the unit will not fall during earthquakes and from sudden gusts of wind.
- In areas where the temperatures drop below 0°C for several continuous days, do not install a drain elbow. (water discharge could stop due to freezing.)



Connection of the power supply cable and the connecting cables for indoor and outdoor units.

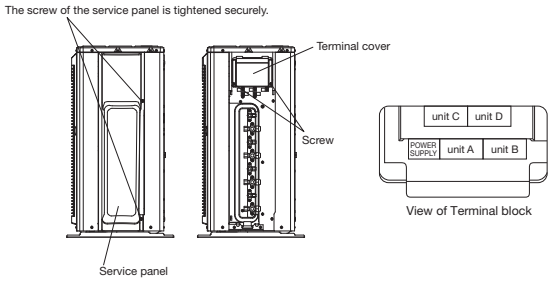
- This multi-type room air conditioner receives its power from outside.
- To ensure correct connections, mark each ends of the cables with number, A to D. It is important to use the same number the corresponding cables and pipes.
- An earth leakage breaker and a circuit breaker must be installed. Their capacities are 25A.

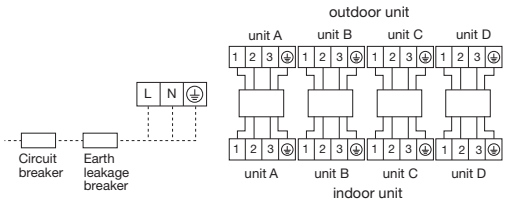
①Remove the service panel.(Remove the 2 sets screws of the service panel.)
②Remove the terminal cover.(Remove the 2 sets screws of the terminal cover.)
③Connect the power supply cable and the connection wire securely to the terminal block.

〔POWER SUPPLY CODE〕
CENELEC code for cables requiring fields cables. H05RNR3G4.0
〔INTERCONNECTING WIRING CODE〕
CENELEC code for cables requiring fields cables. H05RNR4G1.5

1) In wiring, make sure that the wire terminal numbers of outdoor unit terminal block are match to the wire terminal numbers of indoor unit terminal block.
2) Terminal number A of the outdoor unit is used for A indoor unit and terminal number B for B indoor unit respectively.

④After connecting the wire, use wiring clamps to secure the wiring.
⑤Fit the terminal cover and the service panel.



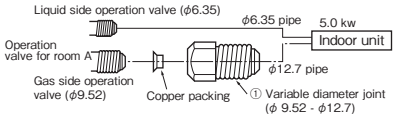


3 CONNECTION OF REFRIGERANT PIPINGS

- Regarding the change in the sizes of gas side pipes (usage of the variable joints); If a 5.0, 6.0 kw class indoor unit (gas side pipe 12.7) is going to be connected to the operation valves (9.52), variable joints available as accessories must be applied to the gas side operation valves.
- Securely fit the copper packing between the operation valve and the variable diameter joint to prevent shifting.

[Examples of use of variable diameter joints]

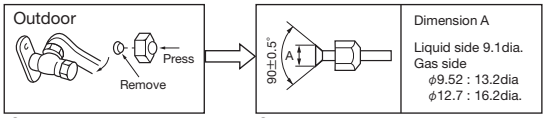
●Connection of indoor unit of Class 5.0 to A unit.



[Connection of pipes]

NOTE

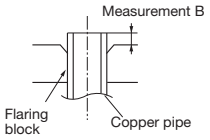
- Cover the pipes with tape so that dust and sand do not enter the pipe until they are connected.
- When connecting the pipes to the outdoor unit, be careful about the discharge of fluorocarbon gas or oil.
- Make sure to match the pipes between the indoor unit and the outdoor unit with the correct operation valves.



○Remove the flared nuts. (on both liquid and gas sides)
○Install the removed flared nuts to the pipes to be connected, then flare the pipes.

Copper pipe diameter	Measurement B (mm)		
	Clutch type flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ϕ6.35	0.0～0.5	1.0～1.5	1.5～2.0
ϕ9.52	0.0～0.5	1.0～1.5	1.5～2.0
ϕ12.7	0.0～0.5	1.0～1.5	2.0～2.5

Use a flare tool designed for R410A or a conventional flare tool. Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a conventional flare tool is used, please use a copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

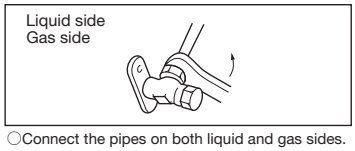


⚠ CAUTION
Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may crack depending on the conditions and refrigerant leak may occur.

⚠ CAUTION
Do not apply refrigerating machine oil to the flared surface.

Connection

Outdoor



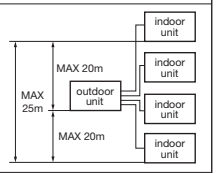
○Connect the pipes on both liquid and gas sides.
○Tighten the nuts to the following torque.
Liquid side : 14.0～18.0N･m (1.4～1.8kgf･m)
Gas side (ϕ9.52): 33.0～42.0N･m (3.3～4.2kgf･m)
(ϕ12.7): 49.0～61.0N･m (4.9～6.1kgf･m)

- When the total refrigerant pipe lenght for all the rooms exceeds the lenght of the uncharged pipe (40m), additional refrigerant is required. (If 40m or less, additional charge is not required.) Additional charge amount per meter = 20g/m

Gas Leakage Test

●Ensure that there are no gas leaks from the pipe joints by using a leak detector or soap water.

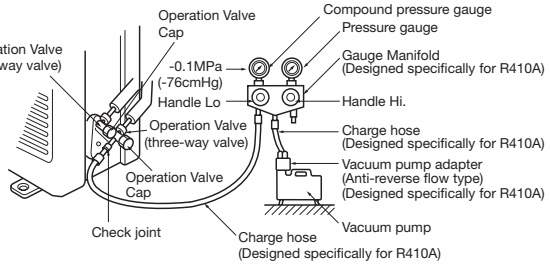
[Limit]

piping length	one indoor unit MAX 25m all indoor unit MAX 70m
hight difference	
length of chargeless refrigerant pipe	40m

4 AIR PURGING

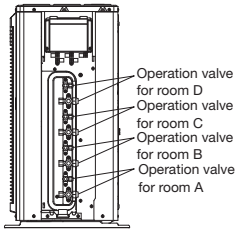
NOTE : Fully open the operation valves (on both liquid and gas sides) after completing air purging.

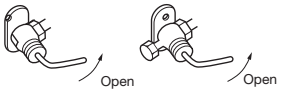
- Since the system uses service ports differing in diameter from those found on the conventional models, a charge hose (for R22) presently in use is not applicable. Please use one designed specifically for R410A.
- Remove the cap on both gas and liquid sides before starting operation.
- After completing the operation, do not forget to tighten the cap (gas may leak).
- Please use an anti-reverse flow type vacuum pump adapter so as to prevent vacuum pump oil from running back into the system. Oil running back into an air-conditioning system may cause the refrigerant cycle to break down.
- Conduct air purging for all connected indoor units.



Procedure

(1) Secure all flare nuts on both indoor and outdoor sides to prevent leaks from the pipes.
(2) Connect the operation valves, charge hose, manifold valve and vacuum pump as shown in the right figure.
(3) Fully open the handle Lo for the manifold valve, and pump a vacuum for 15 minutes. Ensure that the meter is indicating -0.1MPa (-76cmHg).
(4) After vacuuming, fully open the operation valve (both liquid and gas sides) with a hexagon wrench.





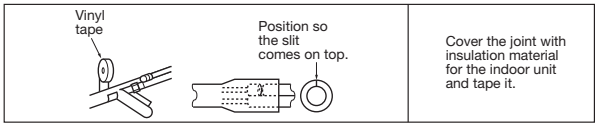
(5) Remove the charge hose from service port.
(6) Repeat the above steps (1) ~ (5) for all connected indoor units.
(7) Ensure that there are no gas leaks from the joints in the indoor and outdoor units.

Securely tighten the operation valve cap and the check joint blind nut after adjustment.

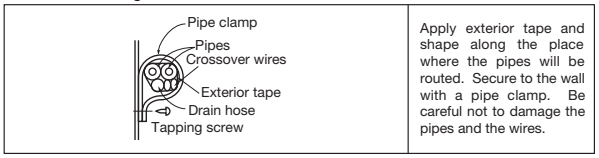
Operation valve size (mm)	Operation valve cap tightening torque (N·m)	Check joint blind nut tightening torque (N·m)
ϕ6.35 (1/4")	20～30	10～12
ϕ9.52 (3/8")		
ϕ12.7 (1/2")	25～35	

5 HEAT INSULATION FOR JOINTS

Heat insulation for joints



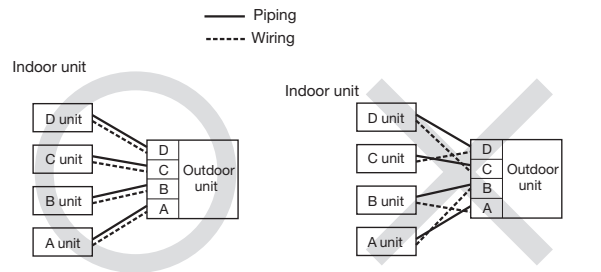
Finish and fixing



7 BEWARE OF WRONG CONNECTIONS IN REFRIGERANT PIPING AND WIRING.

- Make sure to match the piping and wiring from each unit to the outdoor unit.
- Be careful because if connections are wrong, normal operation cannot be achieved and may damage the compressor.

[Correct connections] [Example of wrong connections]



EARTHING WORK

○ Earth work shall be carried out without fail in order to prevent electric shock and noise generation.
○ The connection of the earth cable to the following substances causes dangerous failures, therefore it shall never be done. (City water pipe, Town gas pipe, TV antenna, lightning conductor, telephoneline, etc.)

6 TEST RUN AND HANDLING INSTRUCTIONS

Installation test check points

Check the following points again after completion of the installation, and before turning on the power.
Conduct a test run again and ensure that the unit operates properly.
At the same time, explain to the customer how to use the unit and how to take care of the unit following the installation manual.
If the compressor does not operate after the operation has started, wait for 5-10 minutes. (This may be due to delayed start.)
(Three-minute restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3minutes. This is to protect the unit and it is not a malfunction.

After installation

- ☐ The power supply voltage is correct as the rating.
- ☐ No gas leaks from the joints of the operation valve.
- ☐ Power cables and crossover wires are securely fixed to the terminal board.
- ☐ Each indoor and outdoor unit is properly connected (no wrong wiring or piping).
- ☐ Operation valve is fully open.
- ☐ Refrigerant has been additionally charged (when the total pipe length exceeds the refrigerant charged pipe length).
- ☐ The pipe joints for indoor and outdoor pipes have been insulated.
- ☐ Earthing work has been conducted properly.
- ☐ The screw of the service panel is tightened securely.

Test run

- ☐ Air conditioning and heating are normal.
- ☐ No abnormal noise.
- ☐ Water drains smoothly.
- ☐ Protective functions are not working.
- ☐ Operation of the unit has been explained to the customer.
- ☐ The remote control is normal.

Operation of indicator lamps

INDICATION LAMP	COLOR	FUNCTION
LED E (1)	RED	WARNING LAMP
SELF DIAGNOSIS FUNCTION BY LED E		
1 TIME FLASH	CURRENT CUT	
2 TIME FLASH	TROUBLE OF OUTDOOR UNIT	
3 TIME FLASH	OVER CURRENT	
4 TIME FLASH	TRANSMISSION ERROR IN OUTDOOR UNIT PCB	
5 TIME FLASH	OVER HEAT OF COMPRESSOR	
6 TIME FLASH	ERROR OF SIGNAL TRANSMISSION	
7 TIME FLASH	LOCK OF COMPRESSOR	
8 TIME FLASH	SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)	
LIGHT ON	OUTDOOR FAN MOTOR ERROR	
FOUR SEC LIGHT AND FOUR SEC OFF	DISCHARGE PIPE SENSOR ERROR	

(4) Models SCM100ZJ-S1, 125ZJ-S1

RPC012A918 C

MULTI TYPE AIR CONDITIONER
R410A REFRIGERANT USED

• This installation manual deals with outdoor units and general installation specifications only. For indoor units, refer to the respective installation manuals supplied with the units.
• When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during theinstallation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION.
  ⚠WARNING: Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION: Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⃠	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

❗
- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ensure the unit is stable when installed, so that it can withstand earthquakes and strong winds.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **Do not open the operation valves for liquid line and gas line until completed refrigerant piping work, air tightness test and evacuation.**
  If the compressor is operated in state of opening operation valves before completed connection of refrigerant piping work, air can be sucked into refrigerant circuit, which can cause bust or personal injury due to anomalously high pressure in the refrigerant.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:30A) with a contact separation of at least 3mm.**
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  □Incorrect installation may result in overheating and fire.
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Be sure to fix up the service panels.**
  Incorrect fixing can cause electric shocks or fire due to intrusion of dust or water.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

⃠
- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

⏚
- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

❗
- **Gse the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **After maintenance, all wiring, wiring ties and the like, should be returned to their original state and wiring route, and the necessary clearance from all metal parts should be secured.**
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Take care when carrying the unit by hand.**
  If the unit weights more than 20kg, it must be carried by two or more persons. Do not carry by the plastic straps, always use the carry handle when carrying the unit by hand. Use gloves to minimize the risk of cuts by the aluminum fins.
- **Dispose of any packing materials correctly.**
  Any remaining packing materials can cause personal injury as it contains nails and wood. And to avoid danger of suffocation, be sure to keep the plastic wrapper away from children and to dispose after tear it up.
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**

⃠
- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.

*

⚠ CAUTION

- **Do not install the outdoor unit in the locations listed below.**
  - Locations where discharged hot air or operating sound of the outdoor unit can bother neighborhood.
  - Locations where outlet air of the outdoor unit blows directly to plants. The outlet air can affect adversely to the plant etc.
  - Locations where vibration can be amplified and transmitted due to insufficient strength of structure.
  - Locations where vibration and operation sound generated by the outdoor unit can affect seriously (on the wall or at the place near bed room).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect surrounding environment and cause a claim.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not install the outdoor unit in a location where insects and small animals can inhabit.**
  Insects and small animals can enter the electric parts and cause damage or fire. Instruct the user to keep the surroundings clean.
- **Do not use the base flame for outdoor unit which is corroded or damaged due to long periods of operation.**
  Using an old and damage base flame can cause the unit falling down and cause personal injury.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.
- **Do not touch the suction or aluminum fin on the outdoor unit.**
  This may cause injury.
- **Do not put anything on the outdoor unit and operating unit.**
  This may cause damage the objects or injury due to falling to the object.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
- **Do not clean up the unit with water.**

Check before installation work

- Model name and power source
- Refrigerant piping length
- Piping, wiring and miscellaneous small parts
- Indoor unit installation manual

Accessories for outdoor unit	Q'ty
① Grommet (Heat pump type only)	2
② Drain elbow (Heat pump type only)	1
③ Variable diameter joint φ9.52⇒φ12.7	3
④ Variable diameter joint φ9.52⇒φ15.88	2

Note: Provide flare nuts when using the variable diameter joint (for φ12.7, φ15.88).

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extension hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

Necessary tools for the installation work			
1	Plus headed driver	9	Wrench key (Hexagon) [4m/m]
2	Knife	10	Vacuum pump
3	Saw	11	Vacuum pump adapter (Anti-reverse flow type) (Designed specifically for R410A)
4	Tape measure	12	Gauge manifold (Designed specifically for R410A)
5	Hammer	13	Charge hose (Designed specifically for R410A)
6	Spanner wrench	14	Flaring tool set (Designed specifically for R410A)
7	Torque wrench [14.0〜82.0N·m (1.4〜8.2kgf·m)]	15	Gas leak detector (Designed specifically for R410A)
8	Hole core drill (65mm in diameter)	16	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)

CAUTION
- This model requires normally a minimum of 4 indoor units.
- This model requires a minimum of 3 indoor units in case of SRK-ZK-S, SRK-ZJX-S, FDEN type combination only.
- This model requires a minimum of 2 indoor units in case of SRK71ZK-S type only.

1 SELECTION OF INSTALLATION LOCATION

Install at location that meets the following conditions after getting approval from the customer.

- Where the following installation space is available, and where air does not gather.
- Where rain and sunlight do not directly hit the unit, and where there is enough air circulation.
- Also, where the unit cannot be buried by snow.
  A location which can sustain the weight of the unit, and where noises and vibrations are not enhanced.
- Where blasts of cold or hot air and noise do not bother the neighbors.
- Where the unit does not receive heat radiation from other heat sources.
- Where there are no obstructions (animals, plants, etc.) to the suction inlet and blowing outlet.
- Where water may drain out.

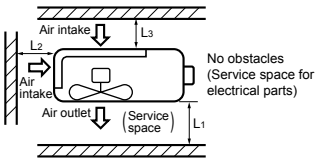
※ Please avoid the following locations.
- Where there is constant exposure to harsh winds such as the top floors of a building. Also, locations with exposure to salty air.
- Where there are oil splashes, vapor, and smoke
- Where there are possibilities of flammable gas leaks.

① Installation Space (on a flat surface)

- Walls surrounding the unit in the four sides are not acceptable.
- There must be a 1-meter or large space in the above.
- Where a danger of short-circuiting exists, install guide louvers.
- When more than one unit are installed, provide sufficient intake space consciously so that short-circuiting may not occur.
- When piling snow can bury the outdoor unit, provide proper snow guards.

(mm)

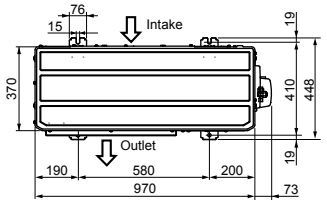
Examples of installation / Demensions	Ⅰ	Ⅱ	Ⅲ
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150



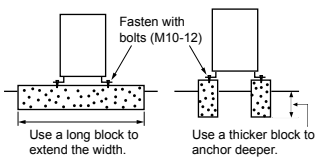
Installation

- In installing the unit, fix the unit's legs with bolts specified on the right.
- The protrusion of an anchor bolt on the front side must be kept within 15 mm.
- Securely install the unit so that it does not fall over during earthquakes or strong winds, etc.
- Refer to the right illustrations for information regarding concrete foundations.
- Install the unit in a level area. (With a gradient of 5 mm or less.) Improper installation can result in a compressor failure, broken piping within the unit and abnormal noise generation.

① Anchor bolt fixed position



② Notabilia for installation



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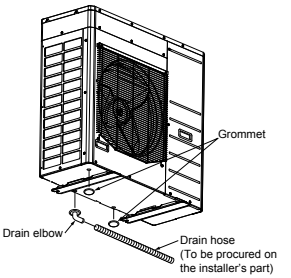
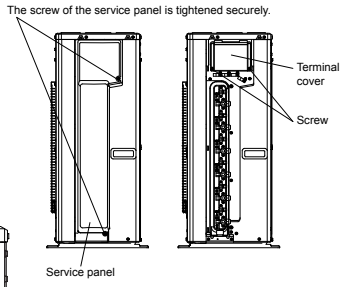
2 INSTALLATION OF OUTDOOR UNIT

Drainage

- Execute drain piping by using a drain elbow and drain grommets, where water drained from the outdoor unit is a problem.
- There are 3 drain holes provided on the bottom plate of an outdoor unit to discharge condensed water.
- When condensed water needs to be led to a drain, etc., install the unit on a flat base (supplied separately as an optional part) or concrete blocks.
- Connect a drain elbow as shown in the illustration and close the other two drain holes with grommets.





Connection of the power supply cable and the connecting cables for indoor and outdoor units.

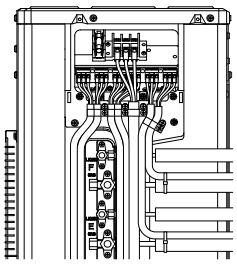
- This multi-type room air conditioner receives its power from outside.
- To ensure correct connections, mark each ends of the cables with number, A to F (5 rooms unit A to E). Itis important to use the same number the corresponding cables and pipes.
- An earth leakage breaker and a circuit breaker must be installed. Their capacities are 30A.

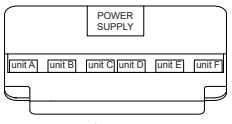
①Remove the service panel. (Remove the screw of the service panel.)
②Remove the terminal cover. (Remove the screw of the terminal cover.)
③Connect the power supply cable and the connection wire securely to the terminal block.

〔POWER SUPPLY CODE〕
CENELEC code for cables requiring fields cables. H05RNR3G5.5
〔INTERCONNECTING WIRING CODE〕
CENELEC code for cables requiring fields cables. H05RNR4G1.5

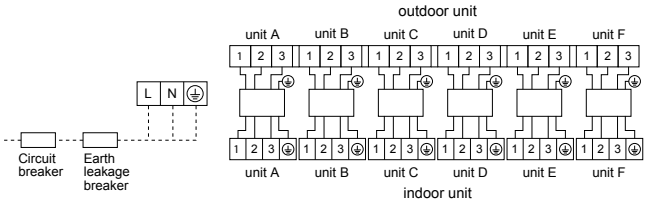
1) In wiring, make sure that the wire terminal numbers of outdoor unit terminal block are match to the wire terminal numbers of indoor unit terminal block.
2) Terminal number A of the outdoor unit is used for A indoor unit and terminal number B for B indoor unit respectively.

④After connecting the wire, use wiring clamps to secure the wiring.
⑤Fit the terminal cover and the service panel.





View of Terminal block

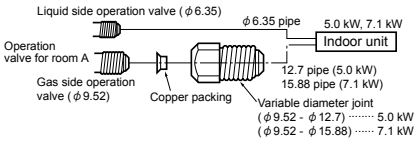


3 CONNECTION OF REFRIGERANT PIPINGS

- Regarding the change in the sizes of gas side pipes (usage of the variable joints); If a 5.0, 6.0 kW class indoor unit (gas side pipe 12.7) or 7.1 kW class indoor unit (gas side pipe 15.88) is going to be connected to theoperation valves (9.52), variable joints available as accessories must be applied to the gas side operation valves.
- Securely fit the copper packing between the operation valve and the variable diameter joint to prevent shifting.

[Examples of use of variable diameter joints]

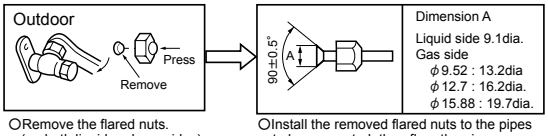
- Connection of indoor unit of Class 5.0 or 7.1 to A unit.



[Connection of pipes]

NOTE

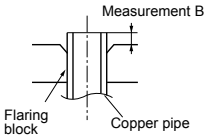
- ●Cover the pipes with tape so that dust and sand do not enter the pipe until they are connected.
- ●When connecting the pipes to the outdoor unit, be careful about the discharge of fluorocarbon gas or oil.
- ●Make sure to match the pipes between the indoor unit and the outdoor unit with the correct operation valves.



○Remove the flared nuts. (on both liquid and gas sides)
○Install the removed flared nuts to the pipes to be connected, then flare the pipes.

Copper pipe diameter	Measurement B (mm)		
	Clutch type flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
φ6.35	0.0～0.5	1.0～1.5	1.5～2.0
φ9.52	0.0～0.5	1.0～1.5	1.5～2.0
φ12.7	0.0～0.5	1.0～1.5	2.0～2.5
φ15.88	0.0～0.5	1.0～1.5	2.0～2.5

Use a flare tool designed for R410A or a conventional flare tool. Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a conventional flare tool is used, please use copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

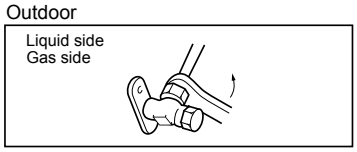


⚠ CAUTION
Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may crack depending on the conditions and refrigerant leak may occur.

⚠ CAUTION
Do not apply refrigerating machine oil to the flared surface.

Connection

Outdoor



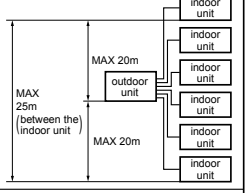
○Connect the pipes on both liquid and gas sides.
○Tighten the nuts to the following torque.
Liquid side : 14.0～18.0N・m(1.4～1.8kgf・m)
Gas side (φ9.52): 33.0～42.0N・m (3.3～4.2kgf・m)
(φ12.7): 49.0～61.0N・m (4.9～6.1kgf・m)
(φ15.88): 68.0～82.0N・m (6.8～8.2kgf・m)

- When the total refrigerant pipe length for all the rooms exceeds the length of the uncharged pipe (50m), additional refrigerant is required. (If 50m or less, additonal charge is not required.) Additonal charge amount per meter = 20g/m

Gas Leakage Test

- ●Ensure that there are no gas leaks from the pipe joints by using a leak detector or soap water.

[Limit]

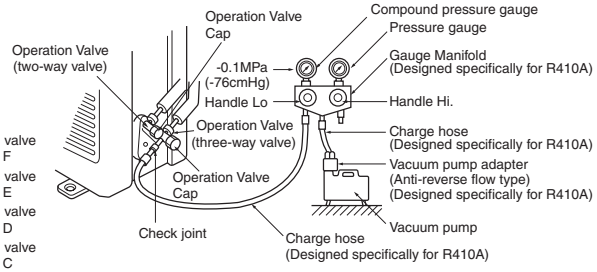
piping length	one indoor unit MAX 25m all indoor unit MAX 90m
hight difference	
length of chargeless refrigerant pipe	50m

*

4 AIR PURGING

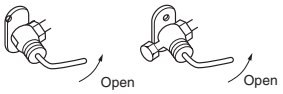
NOTE : Fully open the operation valves (on both liquid and gas sides) after completing air purging.

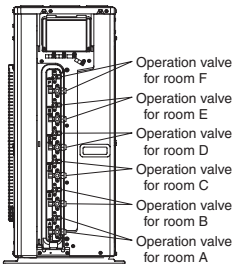
- Since the system uses service ports differing in diameter from those found on the conventional models, a charge hose (for R22) presently in use is not applicable. Please use one designed specifically for R410A.
- Remove the cap on both gas and liquid sides before starting operation.
- After completing the operation, do not forget to tighten the cap (gas may leak).
- Please use an anti-reverse flow type vacuum pump adapter so as to prevent vacuum pump oil from running back into the system. Oil running back into an air-conditioning system may cause the refrigerant cycle to break down.
- Conduct air purging for all connected indoor units.



Procedure

(1) Secure all flare nuts on both indoor and outdoor sides to prevent leaks from the pipes.
(2) Connect the operation valves, charge hose, manifold valve and vacuum pump as shown in the right figure.
(3) Fully open the handle Lo for the manifold valve, and pump a vacuum for 15 minutes. Ensure that the meter is indicating -0.1MPa (-76cmHg).
(4) After vacuuming, fully open the operation valve (both liquid and gas sides) with a hexagon wrench.





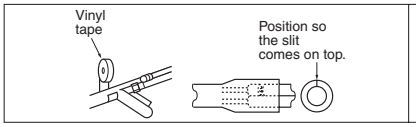
(5) Remove the charge hose from service port.
(6) Repeat the above steps (1) ~ (5) for all connected indoor units.
(7) Ensure that there are no gas leaks from the joints in the indoor and outdoor units.

Securely tighten the operation valve cap and the check joint blind nut after adjustment.

Operation valve size (mm)	Operation valve cap tightening torque (N·m)	Check joint blind nut tightening torque (N·m)
ϕ6.35 (1/4")	20～30	10～12
ϕ9.52 (3/8")		
ϕ12.7 (1/2")	25～35	
ϕ15.88 (5/8")	30～40	

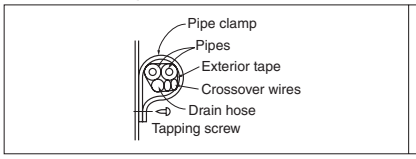
5 HEAT INSULATION FOR JOINTS

Heat insulation for joints



Cover the joint with insulation material for the indoor unit and tape it.

Finish and fixing

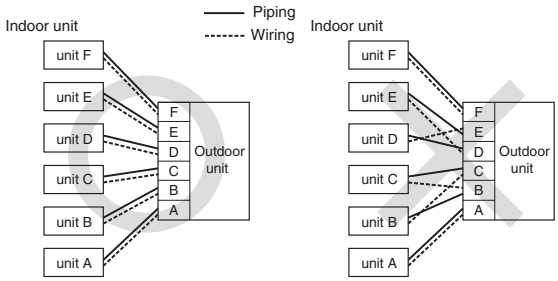


Apply exterior tape and shape along the place where the pipes will be routed. Secure to the wall with a pipe clamp. Be careful not to damage the pipes and the wires.

7 BEWARE OF WRONG CONNECTIONS IN REFRIGERANT PIPING AND WIRING

- Make sure to match the piping and wiring from each unit to the outdoor unit.
- Be careful because if connections are wrong, normal operation cannot be achieved and may damage the compressor.

[Correct connections] [Example of wrong connections]



EARTHING WORK

○ Earth work shall be carried out without fail in order to prevent electric shock and noise generation.
○ The connection of the earth cable to the following substances causes dangerous failures, therefore it shall never be done. (City water pipe, Town gas pipe, TV antenna, lightning conductor, telephoneline, etc.)

6 TEST RUN AND HANDLING INSTRUCTIONS

Installation test check points

Check the following points again after completion of the installation, and before turning on the power.
Conduct a test run again and ensure that the unit operates properly.
At the same time, explain to the customer how to use the unit and how to take care of the unit following the installation manual.
If the compressor does not operate after the operation has started, wait for 5-10 minutes. (This may be due to delayed start.)
(Three-minutes restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3minutes. This is to protect the unit and it is not a malfunction.

After installation

- ☐ The power supply voltage is correct as the rating.
- ☐ No gas leaks from the joints of the operation valve.
- ☐ Power cables and crossover wires are securely fixed to the terminal board.
- ☐ Each indoor and outdoor unit is properly connected (no wrong wiring or piping).
- ☐ Operation valve is fully open.
- ☐ Refrigerant has been additionally charged (when the total pipe length exceeds the refrigerant charged pipe length).
- ☐ The pipe joints for indoor and outdoor pipes have been insulated.
- ☐ Earthing work has been conducted properly.
- ☐ The screw of the service panel is tightened securely.

Test run

- ☐ Air conditioning and heating are normal.
- ☐ No abnormal noise.
- ☐ Water drains smoothly.
- ☐ Protective functions are not working.
- ☐ Operation of the unit has been explained to the customer.
- ☐ The remote control is normal.

Operation of indicator lamps

INDICATION LAMP	COLOR	FUNCTION
LED 1	RED	WARNING LAMP
SELF DIAGNOSIS FUNCTION BY LED E		
1 TIME FLASH	CURRENT CUT	
2 TIME FLASH	TROUBLE OF OUTDOOR UNIT	
4 TIME FLASH	TRANSMISSION ERROR IN OUTDOOR UNIT PCB	
5 TIME FLASH	OVER HEAT OF COMPRESSOR	
6 TIME FLASH	ERROR OF SIGNAL TRANSMISSION	
8 TIME FLASH	SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)	
LIGHT ON	OUTDOOR FAN MOTOR ERROR	
FOUR SEC LIGHT AND FOUR SEC OFF	DISCHARGE PIPE SENSOR ERROR	

2. INDOOR UNITS

2.1 Specifications

(1) Wall mounted type (SRK)

(a) Models SRK20, 25, 35ZJX-S, 50, 60ZJX-S1

Adapted to **RoHS** directive

Item			Model	SRK20ZJX-S
Cooling capacity (1)			W	2000
Heating capacity (1)			W	3000
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 39 Me: 30 Lo: 21
		Power level	dB	53
	Heating	Sound level	dB(A)	Hi: 38 Me: 33 Lo: 25
		Power level	dB	54
Exterior dimensions (Height x Width x Depth)			mm	309 x 890 x 220
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	15
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Tangential fan x 1
	Motor		W	27
	Air flow	Cooling	CMM	Hi: 11.5 Me: 8.0 Lo: 5.0
		Heating		Hi: 12.0 Me: 9.5 Lo: 7.0
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green, ECONO: Blue
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method			Flare connecting
	Attached length of piping		m	Liquid line : 0.55 Gas Line : 0.49
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions.

The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z229B

Adapted to **RoHS** directive

Item \ Model					SRK25ZJX-S
Cooling capacity (1)				W	2500
Heating capacity (1)				W	3400
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 41 Me: 31 Lo: 22
		Power level		dB	55
	Heating	Sound level		dB(A)	Hi: 41 Me: 34 Lo: 27
		Power level		dB	58
Exterior dimensions (Height x Width x Depth)				mm	309 x 890 x 220
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight				kg	15
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Tangential fan x 1
	Motor			W	27
	Air flow	Cooling		CMM	Hi: 12.5 Me: 9.0 Lo: 5.0
		Heating			Hi: 13.0 Me: 10.0 Lo: 7.5
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green, ECONO: Blue
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method				Flare connecting
	Attached length of piping			m	Liquid line : 0.55 Gas Line : 0.49
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts					Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z229B

Adapted to **RoHS** directive

Item			Model	SRK35ZJX-S
Cooling capacity (1)			W	3500
Heating capacity (1)			W	4500
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 43 Me: 33 Lo: 22
		Power level	dB	58
	Heating	Sound level	dB(A)	Hi: 42 Me: 35 Lo: 27
		Power level	dB	59
Exterior dimensions (Height x Width x Depth)			mm	309 x 890 x 220
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	15
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Tangential fan x 1
	Motor		W	27
	Air flow	Cooling	CMM	Hi: 13.5 Me: 9.5 Lo: 5.0
		Heating		Hi: 14.0 Me: 11.0 Lo: 8.0
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green, ECONO: Blue
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method			Flare connecting
	Attached length of piping		m	Liquid line : 0.55 Gas Line : 0.49
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z229 B

Adapted to **RoHS** directive

Item \ Model					SRK50ZJX-S1
Cooling capacity (1)				W	5000
Heating capacity (1)				W	6000
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 47 Me: 40 Lo: 27
		Power level		dB	60
	Heating	Sound level		dB(A)	Hi: 48 Me: 40 Lo: 33
		Power level		dB	62
Exterior dimensions (Height x Width x Depth)				mm	309 x 890 x 220
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight				kg	15
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Tangential fan x 1
	Motor			W	27
	Air flow	Cooling		CMM	Hi: 13.5 Me: 11 Lo: 8
		Heating			Hi: 17.0 Me: 14.5 Lo: 10.5
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green, ECONO: Blue
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ 6.35 (1/4") Gas line: ϕ 12,7 (1/2")
	Connecting method				Flare connecting
	Attached length of piping			m	Liquid line : 0.55 Gas Line : 0.49
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts					Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z237 B

Adapted to **RoHS** directive

Item			Model	SRK60ZJX-S1
Cooling capacity (1)			W	6000
Heating capacity (1)			W	6800
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 51 Me: 41 Lo: 29
		Power level	dB	62
	Heating	Sound level	dB(A)	Hi: 48 Me: 41 Lo: 34
		Power level	dB	64
Exterior dimensions (Height x Width x Depth)			mm	309 x 890 x 220
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	15
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Tangential fan x 1
	Motor		W	27
	Air flow	Cooling	CMM	Hi: 14.5 Me: 12.5 Lo: 8.5
		Heating		Hi: 17.5 Me: 15.0 Lo: 11.0
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green, ECONO: Blue
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4") Gas line: ϕ 12.7 (1/2")
	Connecting method			Flare connecting
	Attached length of piping		m	Liquid line : 0.55 Gas Line : 0.49
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z237 B

(b) Models SRK25, 35ZJR-S

Adapted to **RoHS** directive

Item \ Model					SRK25ZJR-S
Cooling capacity (1)				W	2500
Heating capacity (1)				W	3200
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound leve		dB(A)	Hi: 34 Me: 28 Lo: 21
		Power level		dB	49
	Heating	Sound level		dB(A)	Hi: 39 Me: 31 Lo: 24
		Power level		dB	55
Exterior dimensions (Height x Width x Depth)				mm	294 x 798 x 229
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight				kg	9.5
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Tangential fan x 1
	Motor			W	38
	Air flow	Cooling		CMM	Hi: 7.9 Me: 6.0 Lo: 5.0
		Heating			Hi: 11.0 Me: 6.5 Lo: 5.1
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green , TIMER: Yellow , HI POWER: Green ,3D AUTO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method				Flare connecting
	Attached length of piping			m	Liquid line : 0.53 Gas Line : 0.40
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts					Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions

The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO
(3) The operation data are applied to the 220/230/240V districts respectively

RWA000Z225 D

Adapted to **RoHS** directive

Item \ Model					SRK35ZJR-S
Cooling capacity (1)				W	3500
Heating capacity (1)				W	4000
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 41 Me: 32 Lo: 22
		Power level		dB	57
	Heating	Sound level		dB(A)	Hi: 42 Me: 37 Lo: 25
		Power level		dB	58
Exterior dimensions (Height x Width x Depth)				mm	294 x 798 x 229
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight				kg	9.5
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Tangential fan x 1
	Motor			W	38
	Air flow	Cooling		CMM	Hi: 10.1 Me: 6.4 Lo: 5.0
		Heating			Hi: 12.8 Me: 9.4 Lo: 6.1
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green , TIMER: Yellow , HI POWER: Green ,3D AUTO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ 6.35 (1/4") Gas line: ϕ 9.52 (3/8")
	connecting method				Flare connecting
	Attached length of piping			m	Liquid line : 0.53 Gas Line : 0.40
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts					Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions

The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO

(3) The operation data are applied to the 220/230/240V districts respectively

RWA000Z225 D

(c) Models SRK20, 25, 35, 50ZJ-S

Adapted to **RoHS** directive

Item \ Model				SRK20ZJ-S
Cooling capacity (1)			W	2000
Heating capacity (1)			W	3000
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 33 Me: 27 Lo: 21
		Power level	dB	49
	Heating	Sound level	dB(A)	Hi: 36 Me: 31 Lo: 24
		Power level	dB	52
Exterior dimensions (Height x Width x Depth)			mm	294 x 798 x 229
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	9.5
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Tangential fan x 1
	Motor		W	38
	Air flow	Cooling	CMM	Hi: 7.8 Me: 5.6 Lo: 4.8
		Heating		Hi: 9.8 Me: 6.3 Lo: 5.0
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method			Flare connecting
	Attached length of piping		m	Liquid line : 0.53 Gas Line : 0.40
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z225 A

Adapted to **RoHS** directive

Item \ Model					SRK25ZJ-S
Cooling capacity (1)				W	2500
Heating capacity (1)				W	3400
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 34 Me: 28 Lo: 21
		Power level		dB	50
	Heating	Sound level		dB(A)	Hi: 39 Me: 31 Lo: 24
		Power level		dB	55
Exterior dimensions (Height x Width x Depth)				mm	294 x 798 x 229
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight				kg	9.5
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Tangential fan x 1
	Motor			W	38
	Air flow	Cooling		CMM	Hi: 7.9 Me: 6.0 Lo: 5.0
		Heating			Hi: 10.6 Me: 6.5 Lo: 5.1
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method				Flare connecting
	Attached length of piping			m	Liquid line : 0.53 Gas Line : 0.40
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts					Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z225A

#

Adapted to **RoHS** directive

Item \ Model				SRK35ZJ-S
Cooling capacity (1)			W	3500
Heating capacity (1)			W	4500
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 42 Me: 32 Lo: 22
		Power level	dB	58
	Heating	Sound level	dB(A)	Hi: 43 Me: 37 Lo: 25
		Power level	dB	59
Exterior dimensions (Height x Width x Depth)			mm	294 x 798 x 229
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	9.5
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Tangential fan x 1
	Motor		W	38
	Air flow	Cooling	CMM	Hi: 10.1 Me: 6.4 Lo: 5.0
		Heating		Hi: 12.8 Me: 9.4 Lo: 6.1
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method			Flare connecting
	Attached length of piping		m	Liquid line : 0.53 Gas Line : 0.40
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z225A

Adapted to **RoHS** directive

Item			Model	SRK50ZJ-S
Cooling capacity (1)			W	5000
Heating capacity (1)			W	5800
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 46 Me: 37 Lo: 26
		Power level	dB	61
	Heating	Sound level	dB(A)	Hi: 45 Me: 37 Lo: 31
		Power level	dB	61
Exterior dimensions (Height x Width x Depth)			mm	294 x 798 x 229
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	9.5
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Tangential fan x 1
	Motor		W	38
	Air flow	Cooling	CMM	Hi: 11.3 Me: 7.8 Lo: 5.3
		Heating		Hi: 13.5 Me: 10.2 Lo: 7.5
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, 3D AUTO: Green
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")
	Connecting method			Flare connecting
	Attached length of piping		m	Liquid line : 0.53 Gas Line : 0.40
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z225A

(d) Model SRK71ZK-S

Adapted to **RoHS** directive

Item \ Model				SRK71ZK-S
Cooling capacity (1)			W	7100
Heating capacity (1)			W	8000
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 49 Me: 45 Lo: 39 ULo: 26
		Power level	dB	60
	Heating	Sound level	dB(A)	Hi: 46 Me: 43 Lo: 38 ULo: 35
		Power level	dB	61
Exterior dimensions (Height x Width x Depth)			mm	318 x 1098 x 248
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	15
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Tangential fan x 1
	Motor		W	56
	Air flow	Cooling	CMM	Hi: 19.5 Me: 17.5 Lo: 14.0 ULo: 8.0
		Heating		Hi: 21.5 Me: 19.5 Lo: 15.5 ULo: 14.0
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 2
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green , TIMER: Yellow , HI POWER: Green , ECONO: Orange
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ15.88 (5/8")
	Connecting method			Flare connecting
	Attached length of piping		m	Liquid line : 0.70 Gas Line : 0.63
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z235C

(2) Floor standing type (SRF)

Adapted to **RoHS** directive

Item \ Model				SRF25ZJX-S
Cooling capacity (1)			W	2500
Heating capacity (1)			W	3400
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 40 Me: 32 Lo: 26
		Power level	dB	51
	Heating	Sound level	dB(A)	Hi: 40 Me: 35 Lo: 28
		Power level	dB	51
Exterior dimensions (Height x Width x Depth)			mm	600 x 860 x 238
Exterior appearance (Munsell color)				Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight			kg	18
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Turbo fan x 1
	Motor		W	40
	Air flow	Cooling	CMM	Hi: 9.0 Me: 7.6 Lo: 5.8
		Heating		Hi: 10.5 Me: 8.2 Lo: 6.6
	Fresh air intake			Impossible
	Air filter, Quality / Quantity			Polypropylene net (washable) x 1
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, AIR OUTLET SELECTION: Green, ECONO: Green
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method			Flare connecting
	Attached length of piping		m	—
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit, Clean filter (Natural Enzyme Filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts				Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions.

The pipe length is 7.5m.

Item / Operation	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWB000Z053A

Adapted to **RoHS** directive

Item \ Model					SRF35ZJX-S
Cooling capacity (1)				W	3500
Heating capacity (1)				W	4500
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 41 Me: 34 Lo: 28
		Power level		dB	52
	Heating	Sound level		dB(A)	Hi: 41 Me: 36 Lo: 31
		Power level		dB	52
Exterior dimensions (Height x Width x Depth)				mm	600 x 860 x 238
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight				kg	19
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Turbo fan x 1
	Motor			W	40
	Air flow	Cooling		CMM	Hi: 9.2 Me: 7.8 Lo: 6.4
		Heating			Hi: 10.7 Me: 8.3 Lo: 7.4
	Fresh air intake				Impossible
	Air filter, Quality / Quantity				Polypropylene net (washable) x 1
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, AIR OUTLET SELECTION: Green, ECONO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method				Flare connecting
	Attached length of piping			m	—
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit, Clean filter (Natural Enzyme Filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts					Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWB000Z053Ⓐ

Adapted to **RoHS** directive

Item \ Model					SRF50ZJX-S1
Cooling capacity (1)				W	5000
Heating capacity (1)				W	6000
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 46 Me: 42 Lo: 32
		Power level		dB	58
	Heating	Sound level		dB(A)	Hi: 47 Me: 41 Lo: 33
		Power level		dB	58
Exterior dimensions (Height x Width x Depth)				mm	600 x 860 x 238
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent
Net weight				kg	19
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Turbo fan x 1
	Motor			W	40
	Air flow	Cooling		CMM	Hi: 11.5 Me: 9.6 Lo: 6.6
		Heating			Hi: 12.0 Me: 10.0 Lo: 7.6
	Fresh air intake				Impossible
	Air filter, Quality / Quantity				Polypropylene net (washable) x 1
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, AIR OUTLET SELECTION: Green, ECONO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")
	Connecting method				Flare connecting
	Attached length of piping			m	—
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit, Clean filter (Natural Enzyme Filter x 1, Photocatalytic washable deodorizing filter x 1)
Optional parts					Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWB000Z055 B

(3) Ceiling concealed type (SRR)

Adapted to **RoHS** directive

Item \ Model				SRR25ZJ-S
Cooling capacity (1)			W	2500
Heating capacity (1)			W	3400
Power supply				1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level	dB(A)	Hi: 40 Me: 35 Lo: 29
		Power level	dB	54
	Heating	Sound level	dB(A)	Hi: 41 Me: 38 Lo: 31
		Power level	dB	55
Exterior dimensions (Height x Width x Depth)			mm	230 x 740 x 455
Exterior appearance (Munsell color)				—
Net weight			kg	22
Refrigerant equipment	Heat exchanger			Louver fins & inner grooved tubing
	Device control			Microcomputer control
Air handling equipment	Fan type & Q'ty			Centrifugal fan x 2
	Motor		W	51
	Air flow	Cooling	CMM	Hi: 8.5 Me: 7.0 Lo: 5.0
		Heating		Hi: 10.0 Me: 9.0 Lo: 6.5
	Fresh air intake			Not possible
	Air filter, Quality / Quantity			Polypropylene net x 1
Operation control	Operation switch			Wireless-Remote control
	Room temperature control			Microcomputer thermostat
	Operation Display			RUN: Green, TIMER: Yellow, HI POWER: Green, ECONO: Green
Safety devices				Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method			Flare connecting
	Attached length of piping		m	—
	Insulation for piping			Necessary (Both sides), independent
Drain hose				Connectable (VP 16)
Connection wiring	Size x Core number			1.5mm^2 x 4 cores (Including earth cable)
	Connecting method			Terminal block (Screw fixing type)
Accessories (included)				Mounting kit
Optional parts				Wired remote control, Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions.

The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z231 A

Adapted to **RoHS** directive

Item \ Model					SRR35ZJ-S
Cooling capacity (1)				W	3500
Heating capacity (1)				W	4500
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 42 Me: 37 Lo: 30
		Power level		dB	56
	Heating	Sound level		dB(A)	Hi: 43 Me: 40 Lo: 32
		Power level		dB	57
Exterior dimensions (Height x Width x Depth)				mm	230 x 740 x 455
Exterior appearance (Munsell color)					—
Net weight				kg	22
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Centrifugal fan x 2
	Motor			W	51
	Air flow	Cooling		CMM	Hi: 9.0 Me: 7.5 Lo: 5.5
		Heating			Hi: 11.0 Me: 9.5 Lo: 7.0
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net x 1
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, ECONO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ9.52 (3/8")
	Connecting method				Flare connecting
	Attached length of piping			m	—
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit
Optional parts					Wired remote control, Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27℃	19℃	35℃	24℃	ISO-T1, JIS C 9612
Heating	20℃	—	7℃	6℃	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z231 A

Adapted to **RoHS** directive

Item \ Model					SRR50ZJ-S
Cooling capacity (1)				W	5000
Heating capacity (1)				W	5800
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 48 Me: 42 Lo: 33
		Power level		dB	60
	Heating	Sound level		dB(A)	Hi: 48 Me: 45 Lo: 36
		Power level		dB	60
Exterior dimensions (Height x Width x Depth)				mm	230 x 740 x 455
Exterior appearance (Munsell color)					—
Net weight				kg	23
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Device control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Centrifugal fan x 2
	Motor			W	51
	Air flow	Cooling		CMM	Hi: 10.5 Me: 8.0 Lo: 5.0
		Heating			Hi: 13.0 Me: 11.5 Lo: 7.5
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net x 1
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, ECONO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")
	Connecting method				Flare connecting
	Attached length of piping			m	—
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit
Optional parts					Wired remote control, Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z231 A

Adapted to **RoHS** directive

Item \ Model					SRR60ZJ-S
Cooling capacity (1)				W	6000
Heating capacity (1)				W	6800
Power supply					1 Phase, 220～240 V, 50Hz
Noise level	Cooling	Sound level		dB(A)	Hi: 51 Me: 44 Lo: 35
		Power level		dB	63
	Heating	Sound level		dB(A)	Hi: 51 Me: 47 Lo: 38
		Power level		dB	63
Exterior dimensions (Height x Width x Depth)				mm	230 x 740 x 455
Exterior appearance (Munsell color)					—
Net weight				kg	23
Refrigerant equipment	Heat exchanger				Louver fins & inner grooved tubing
	Deice control				Microcomputer control
Air handling equipment	Fan type & Q'ty				Centrifugal fan x 2
	Motor			W	51
	Air flow	Cooling		CMM	Hi: 12.5 Me: 9.0 Lo: 5.5
		Heating			Hi: 15.0 Me: 12.5 Lo: 8.0
	Fresh air intake				Not possible
	Air filter, Quality / Quantity				Polypropylene net x 1
Operation control	Operation switch				Wireless-Remote control
	Room temperature control				Microcomputer thermostat
	Operation Display				RUN: Green, TIMER: Yellow, HI POWER: Green, ECONO: Green
Safety devices					Frost protection, Serial signal error protection, Indoor fan motor error protection
Installation data	Refrigerant piping size (O.D)			mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ12.7 (1/2")
	Connecting method				Flare connecting
	Attached length of piping			m	—
	Insulation for piping				Necessary (Both sides), independent
Drain hose					Connectable (VP 16)
Connection wiring	Size x Core number				1.5mm^2 x 4 cores (Including earth cable)
	Connecting method				Terminal block (Screw fixing type)
Accessories (included)					Mounting kit
Optional parts					Wired remote control, Interface kit (SC-BIKN-E)

Note (1) The data are measured at the following conditions. The pipe length is 7.5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27˚C	19˚C	35˚C	24˚C	ISO-T1, JIS C 9612
Heating	20˚C	—	7˚C	6˚C	

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) The operation data are applied to the 220/230/240V districts respectively.

RWA000Z231 A

(4) Ceiling cassette -4way compact type (FDTC)

Adapted to **RoHS** directive

Item \ Model		FDTC25VD	
		Panel **TC-PSA-25W-E**	
Power source		220/230/240V～50Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	2.5	3.4
Sound Pressure Level	dB(A)	Cooling P-Hi : 38 Hi : 36 Me : 32 Lo : 29 Heating P-Hi : 39 Hi : 38 Me : 33 Lo : 29.5	
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	
Net weight	kg	UNIT 15 PANEL 3.5	
Heat exchanger		Louver fin & inner grooved tubing	
Air handling equipment Fan type & Q'ty		Turbo fan × 1	
Motor <Starting method>	W	33 < Direct line start >	
Air flow (Standard)	CMM	Cooling P-Hi : 10 Hi : 9 Me : 8 Lo : 6.5 Heating P-Hi : 10.5 Hi : 9.5 Me : 8.5 Lo : 7	
Available static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	
Insulation (noise & heat)		Polyurethane form	
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Overload protection for fan motor Frost protection thermostat	
Installation data Refrigerant piping size	mm	Liquid line : ϕ6.35 (1/4")	
		Gas line : ϕ9.52 (3/8")	
Connecting method		Flare piping	
Drain pump		Built-in Drain pump	
Drain		Hose Connectable with VP20	
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	

Notes (1) The data are measured at the following conditions when the air flow is high mode.

Item	Indoor air temperature		Outdoor air temperature	
Operation	DB	WB	DB	WB
Cooling	27℃	19℃	35℃	24℃
Heating	20℃		7℃	6℃

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 220/230/240V 50Hz.
(5) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

RWA000Z234A

Adapted to **RoHS** directive

Item \ Model		FDTC35VD	
		Panel **TC-PSA-25W-E**	
Power source		220/230/240V～50Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	3.5	4.5
Sound Pressure Level	dB(A)	Cooling P-Hi : 41 Hi : 40 Me : 36 Lo : 30 Heating P-Hi : 43 Hi : 42 Me : 35 Lo : 32	
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	
Net weight	kg	UNIT 15 PANEL 3.5	
Heat exchanger		Louver fin & inner grooved tubing	
Air handling equipment Fan type & Q'ty		Turbo fan × 1	
Motor <Starting method>	W	33 < Direct line start >	
Air flow (Standard)	CMM	Cooling P-Hi : 11 Hi : 9.5 Me : 9 Lo : 7 Heating P-Hi : 11.5 Hi : 10.0 Me : 9 Lo : 8	
Available static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	
Insulation (noise & heat)		Polyurethane form	
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Overload protection for fan motor Frost protection thermostat	
Installation data Refrigerant piping size	mm	Liquid line : ϕ6.35 (1/4")	
		Gas line : ϕ9.52 (3/8")	
Connecting method		Flare piping	
Drain pump		Built-in Drain pump	
Drain		Hose Connectable with VP20	
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	

Notes (1) The data are measured at the following conditions when the air flow is high mode.

Item	Indoor air temperature		Outdoor air temperature	
Operation	DB	WB	DB	WB
Cooling	27˚C	19˚C	35˚C	24˚C
Heating	20˚C		7˚C	6˚C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 220/230/240V 50Hz.
(5) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

RWA000Z234A

Adapted to **RoHS** directive

Item \ Model		FDTC50VD	
		Panel **TC-PSA-25W-E**	
Power source		220-240V～50Hz / 220V～60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	5.0	5.8
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 42 Me : 36 Lo : 30 Heating P-Hi : 47 Hi : 42 Me : 36 Lo : 32	
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	
Net weight	kg	UNIT 15 PANEL 3.5	
Heat exchanger		Louver fin & inner grooved tubing	
Air handling equipment Fan type & Q'ty		Turbo fan × 1	
Motor <Starting method>	W	33 < Direct line start >	
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 7 Heating P-Hi : 13.5 Hi : 11.5 Me : 9 Lo : 8	
Available static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	
Insulation (noise & heat)		Polyurethane form	
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Overload protection for fan motor Frost protection thermostat	
Installation data Refrigerant piping size	mm	Liquid line : ϕ6.35 (1/4")	
		Gas line : ϕ12.7 (1/2")	
Connecting method		Flare piping	
Drain pump		Built-in Drain pump	
Drain		Hose Connectable with VP20	
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
Operation	DB	WB	DB	WB
Cooling	27℃	19℃	35℃	24℃
Heating	20℃		7℃	6℃

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.
(5) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

PJA003Z379

Adapted to **RoHS** directive

Item \ Model		FDTC60VD	
		Panel **TC-PSA-25W-E**	
Power source		220-240V～50Hz / 220V～60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	6.0	6.8
Sound Pressure Level	dB(A)	Cooling P-Hi : 47 Hi : 46 Me : 39 Lo : 30 Heating P-Hi : 47 Hi : 46 Me : 39 Lo : 32	
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	
Net weight	kg	UNIT 15 PANEL 3.5	
Heat exchanger		Louver fin & inner grooved tubing	
Air handling equipment Fan type & Q'ty		Turbo fan × 1	
Motor <Starting method>	W	33 < Direct line start >	
Air flow (Standard)	CMM	Cooling P-Hi : 13.5 Hi : 13.5 Me : 10 Lo : 7 Heating P-Hi : 13.5 Hi : 13.5 Me : 10 Lo : 8	
Available static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 1 (Washable)	
Shock & vibration absorber		Rubber sleeve (for fan motor)	
Insulation (noise & heat)		Polyurethane form	
Remote controller		wired : RC-E4 (option) wireless : RCN-TC-24W-ER (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Overload protection for fan motor Frost protection thermostat	
Installation data Refrigerant piping size	mm	Liquid line : ϕ6.35 (1/4")	
		Gas line : ϕ12.7 (1/2")	
Connecting method		Flare piping	
Drain pump		Built-in Drain pump	
Drain		Hose Connectable with VP20	
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
Operation	DB	WB	DB	WB
Cooling	27˚C	19˚C	35˚C	24˚C
Heating	20˚C		7˚C	6˚C

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.
(5) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

PJA003Z379

(5) Ceiling suspended type (FDEN)

Adapted to **RoHS** directive

Item \ Model		FDEN50VD	
Power source		220-240V～50Hz / 220V～60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	5.0	5.4
Sound Pressure Level	dB(A)	P-Hi : 46 Hi : 39 Me : 38 Lo : 37	
Exterior dimensions Height x Width x Depth	mm	210 × 1,070 × 690	
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	
Net weight	kg	28	
Heat exchanger		Louver fin & inner grooved tubing	
Air handling equipment Fan type & Q'ty		Centrifugal fan × 2	
Motor <Starting method>	W	25 < Direct line start >	
Air flow (Standard)	CMM	P-Hi : 13 Hi : 11 Me : 9 Lo : 7	
Available static pressure	Pa	0	
Outdoor air intake		Not possible	
Air filter, Q'ty		Pocket plastic net × 2 (Washable)	
Shock & vibration absorber		Rubber sleeve(for fan motor)	
Insulation (noise & heat)		Polyurethane form	
Remote controller		wired : RC-E4 (option) wireless : RCN-E1R (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Internal thermostat for fan motor Frost protection thermostat	
Installation data Refrigerant piping size	mm	Liquid line: I/U ϕ6.35 (1/4")	
		Gas line: ϕ12.7 (1/2")	
Connecting method		Flare piping	
Drain pump		—	
Drain		Hose Connectable with VP20	
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Mounting kit, Drain hose	

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature	
Operation	DB	WB	DB	WB
Cooling	27℃	19℃	35℃	24℃
Heating	20℃		7℃	6℃

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.
(5) When wireless remote controller is used, fan is 3 speed setting(Hi-Me-Lo) only.

PFA003Z911 A

(6) Duct connected Low/Middle static pressure type (FDUM)

Adapted to **RoHS** directive

Item \ Model		FDUM50VF	
Power source		220-240V～50Hz / 220V～60Hz	
Operation data		Cooling	Heating
Nominal capacity	kW	5.0	5.4
Sound Pressure Level	dB(A)	P-Hi : 37 Hi : 32 Me : 29 Lo : 26	
Exterior dimensions Height x Width x Depth	mm	280 × 750 × 635	
Exterior appearance (Munsell color)		—	
Net weight	kg	29	
Heat exchanger		Louver fin & inner grooved tubing	
Air handling equipment Fan type & Q'ty		Centrifugal fan × 1	
Motor <Starting method>	W	100 < Direct line start >	
Air flow (Standard)	CMM	P-Hi : 13 Hi : 10 Me : 9 Lo : 8	
External static pressure	Pa	Standard:35 Max:100	
Outside air intake		Possible	
Air filter, Q'ty		Procure locally	
Shock & vibration absorber		Rubber sleeve(for fan motor)	
Insulation (noise & heat)		Polyurethane form	
Remote controller		wired : RC-E5 (option) wireless : RCN-KIT3-E (option)	
Room temperature control		Thermostat by electronics	
Safety equipment		Overload protection for fan motor Frost protection thermostat	
Installation data Refrigerant piping size	mm	Liquid line: I/U ϕ6.35 (1/4")	
		Gas line: ϕ12.7 (1/2")	
Connecting method		Flare piping	
Drain pump		Built-in Drain pump	
Drain		Hose Connectable with VP20	
Insulation for piping		Necessary (both Liquid & Gas lines)	
Standard Accessories		Drain hose	

Notes (1) The data are measured at the following conditions.

Item	Indoor air temperature		Outdoor air temperature		External static pressure of indoor unit
Operation	DB	WB	DB	WB	Pa
Cooling	27℃	19℃	35℃	24℃	35
Heating	20℃		7℃	6℃	

(2) This packaged air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound pressure level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient temperature.
(4) The operation data indicates when the air-conditioner is operated at 230V50Hz or 220V60Hz.
(5) Static pressure of optional air filter "UM-FL1EF" is 5Pa initially.
(6) If wireless remote controller is used, only 3-speed fan setting (Hi-Me-Lo) is availabe.

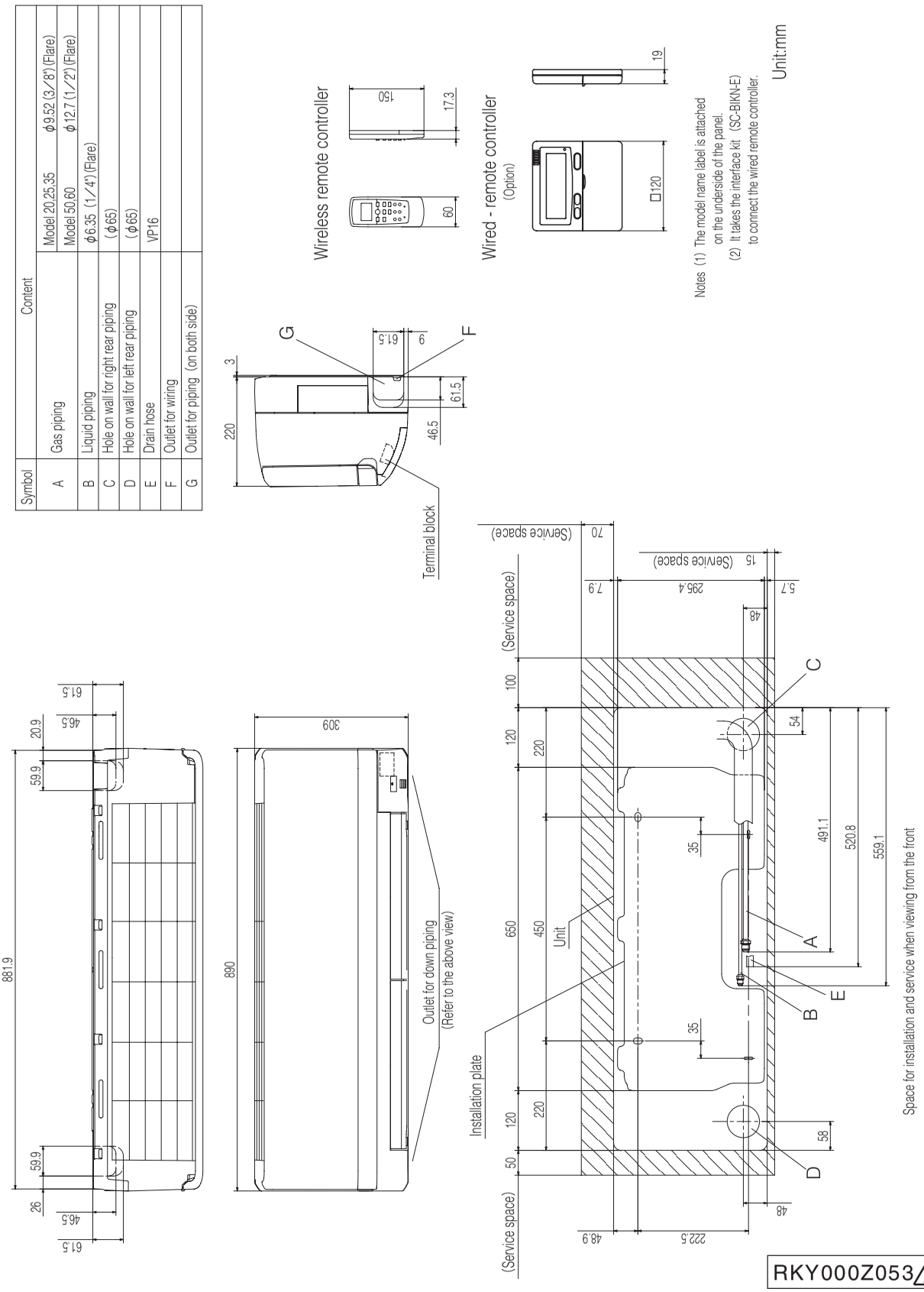
PJG000Z001 A

2.2 Exterior dimensions

(1) Wall mounted type (SRK)

Models SRK20ZJX-S, 25ZJX-S, 35ZJX-S

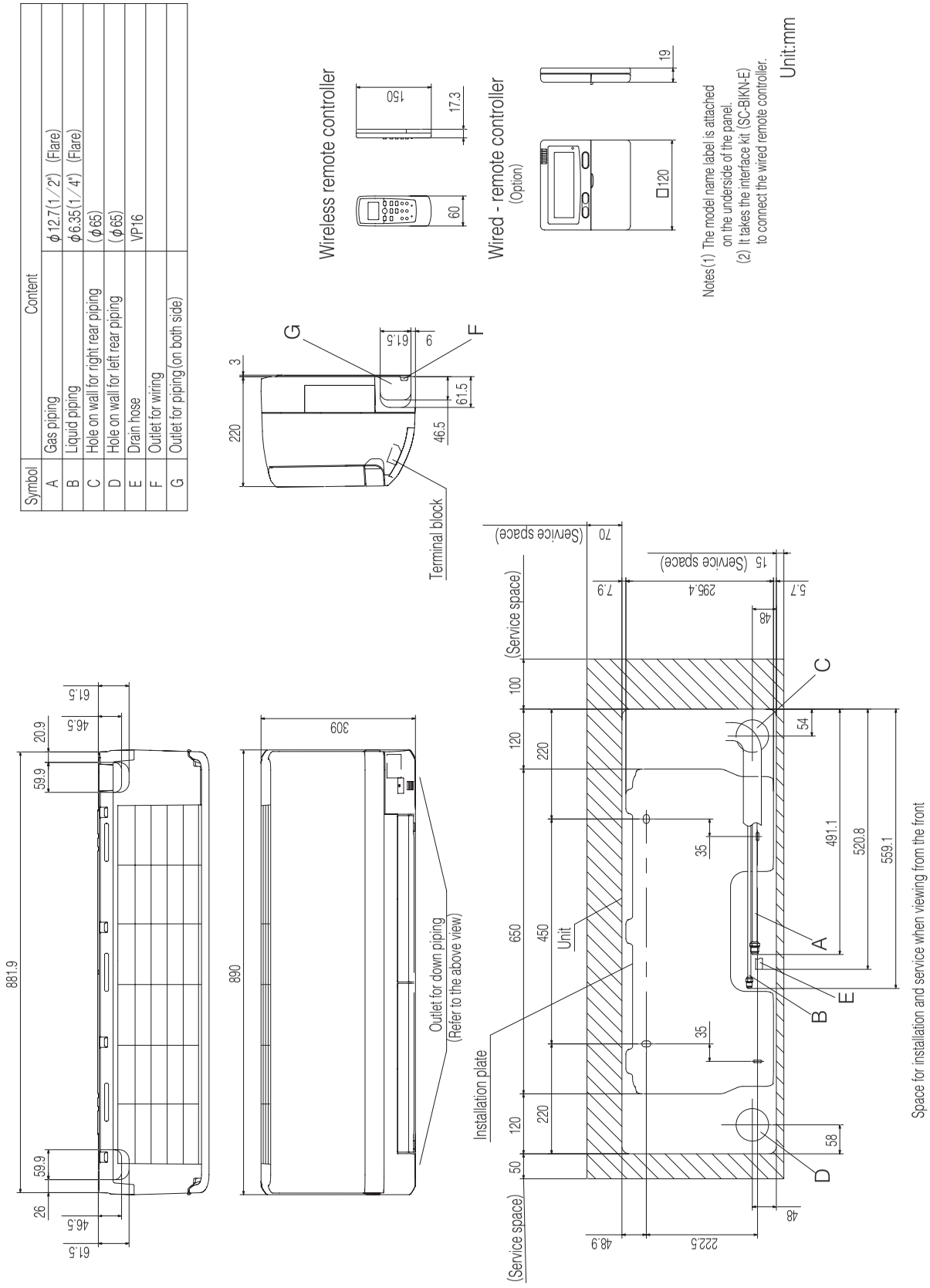
Symbol	Content	
A	Gas piping	Model 20,25,35 ϕ9.52 (3/8") (Flare)
		Model 50,60 ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)
C	Hole on wall for right rear piping	(ϕ65)
D	Hole on wall for left rear piping	(ϕ65)
E	Drain hose	
F	Outlet for wiring	VP16
G	Outlet for piping (on both side)	



RKY000Z053 A

Models SRK50ZJX-S1, 60ZJX-S1

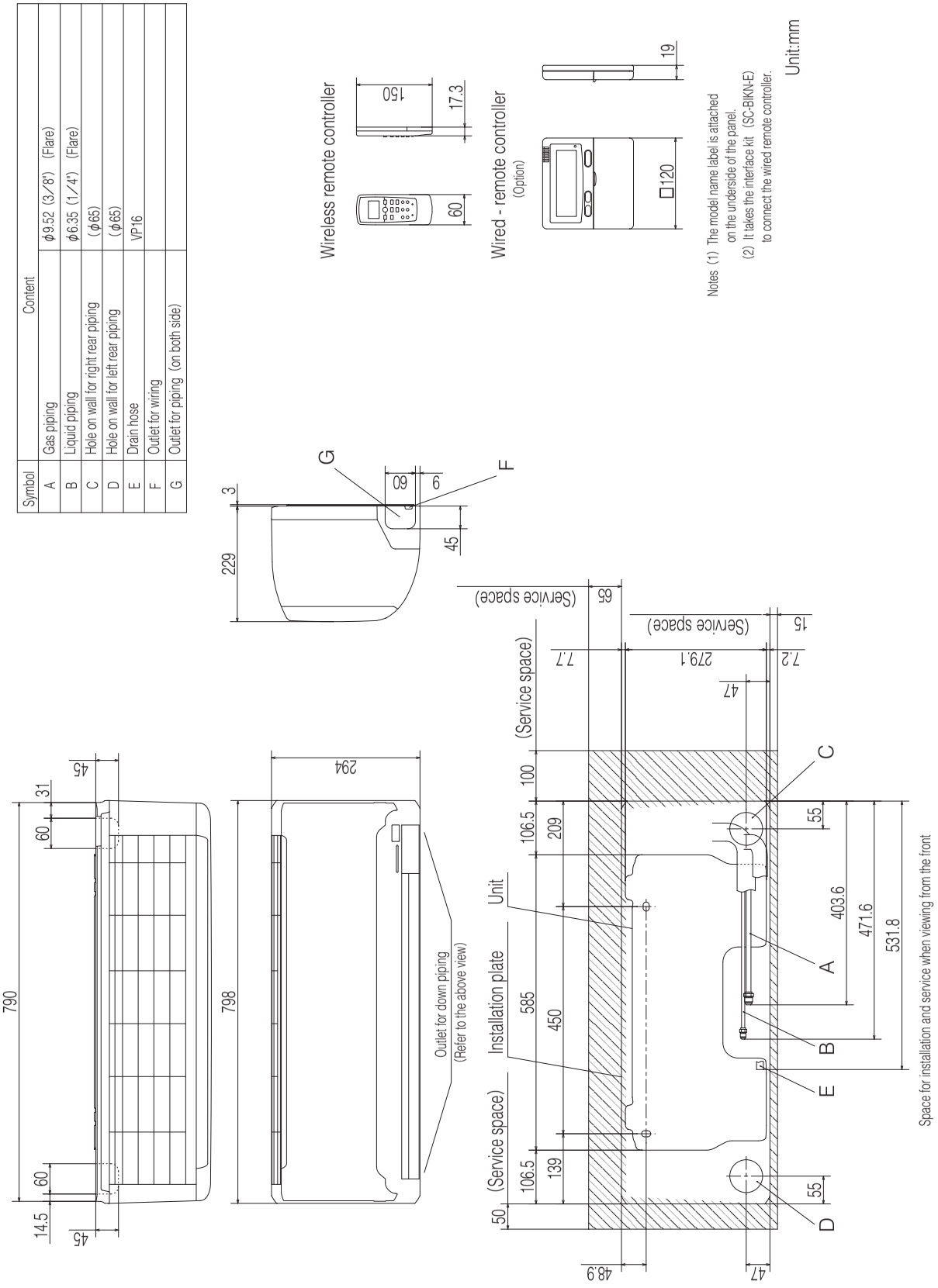
Symbol	Content	
A	Gas piping	ϕ12.7(1/2") (Flare)
B	Liquid piping	ϕ6.35(1/4") (Flare)
C	Hole on wall for right rear piping	(ϕ65)
D	Hole on wall for left rear piping	(ϕ65)
E	Drain hose	VP16
F	Outlet for wiring	
G	Outlet for piping (on both side)	



RKY000Z054

Models SRK25ZJR-S, 35ZJR-S

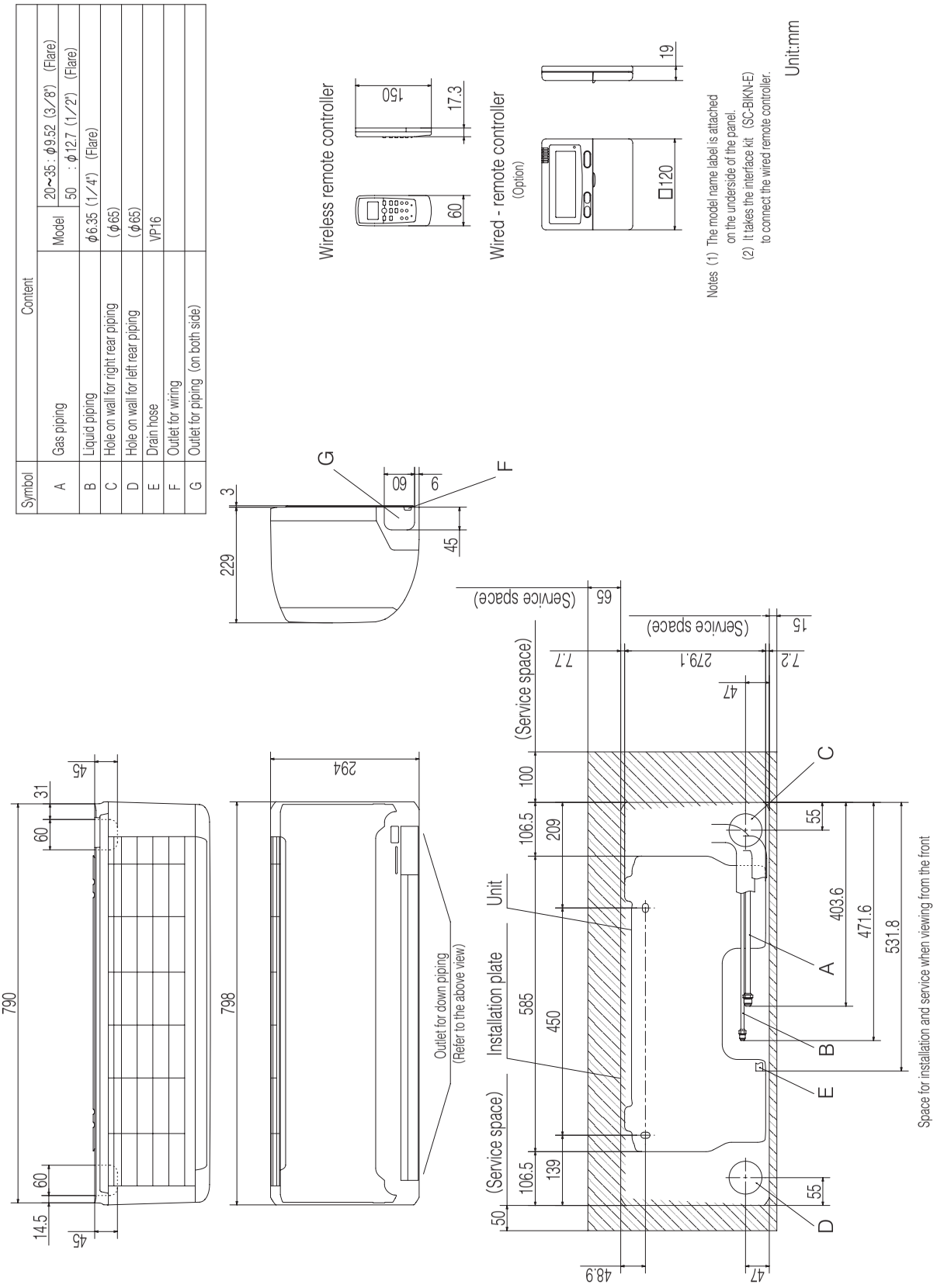
Symbol	Content	
A	Gas piping	ϕ9.52 (3/8") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)
C	Hole on wall for right rear piping	(ϕ65)
D	Hole on wall for left rear piping	(ϕ65)
E	Drain hose	VP16
F	Outlet for wiring	
G	Outlet for piping (on both side)	



RLA000Z052

Models SRK20ZJ-S, 25ZJ-S, 35ZJ-S, 50ZJ-S

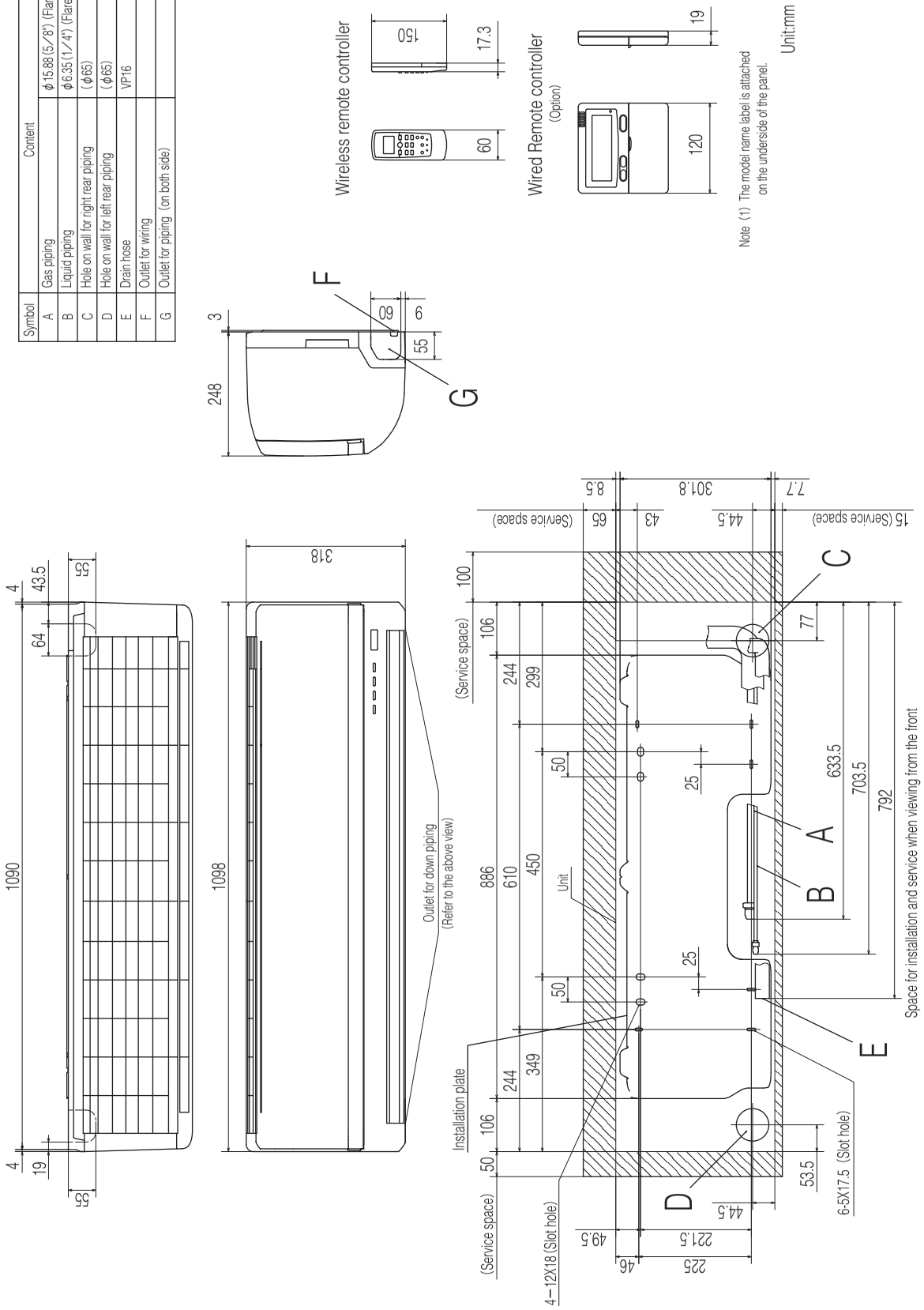
Symbol	Content		
A	Gas piping	Model	20~35 : ϕ9.52 (3/8") (Flare) 50 : ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)	
C	Hole on wall for right rear piping	(ϕ65)	
D	Hole on wall for left rear piping	(ϕ65)	
E	Drain hose	VP16	
F	Outlet for wiring		
G	Outlet for piping (on both side)		



RLA000Z051

Model SRK71ZK-S

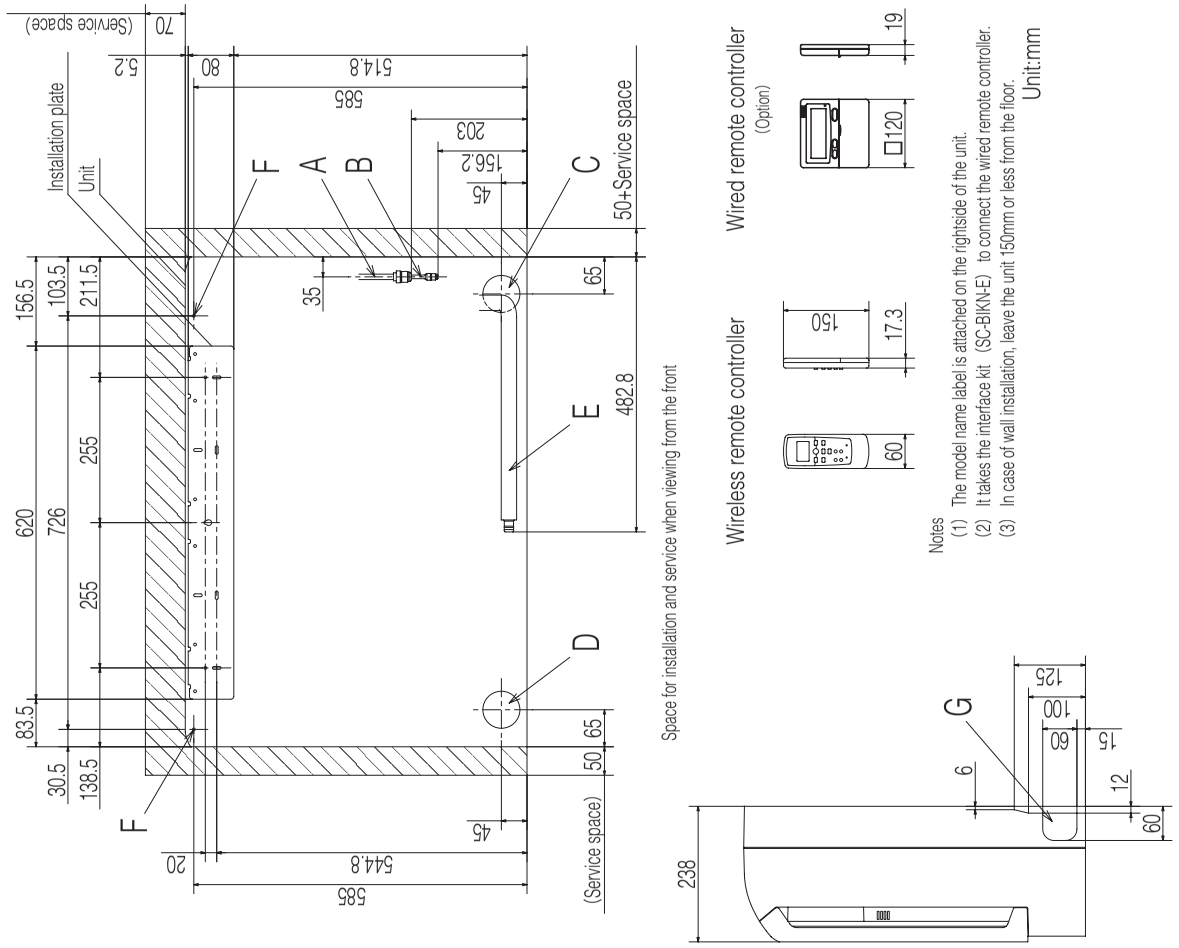
Symbol	Content	
A	Gas piping	ϕ15.88 (5/8") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)
C	Hole on wall for right rear piping	(ϕ65)
D	Hole on wall for left rear piping	(ϕ65)
E	Drain hose	VP16
F	Outlet for wiring	
G	Outlet for piping (on both side)	

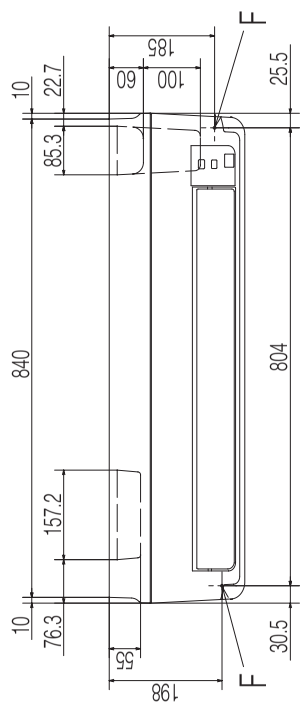


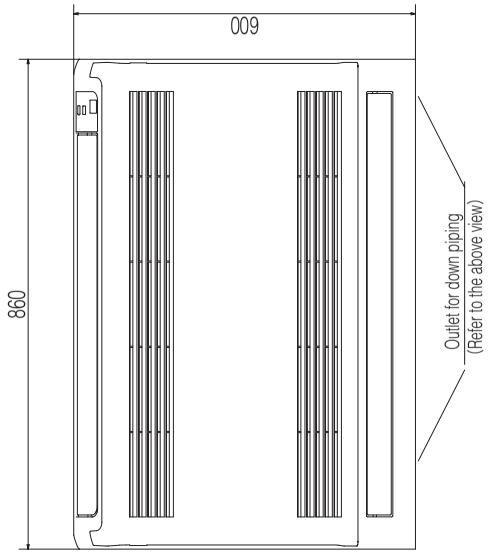
RKW000Z401

(2) Floor standing type (SRF)

Models SRF25ZJX-S, 35ZJX-S



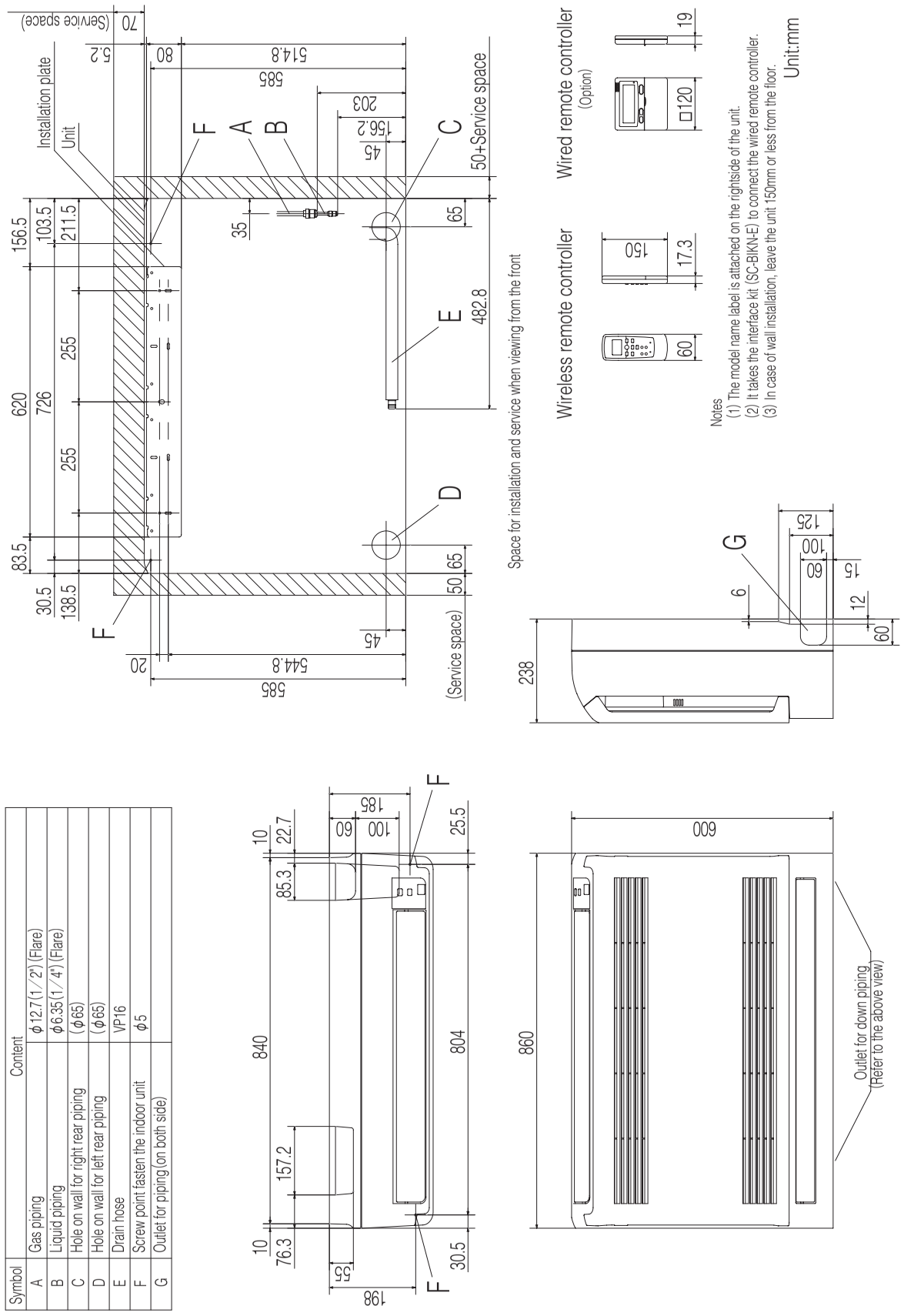




Symbol	Content		
A	Gas piping	Model	25.35 : φ9.52 (3/8") (Flare)
			50 : φ12.7 (1/2") (Flare)
B	Liquid piping		φ6.35 (1/4") (Flare)
C	Hole on wall for right rear piping		(φ65)
D	Hole on wall for left rear piping		(φ65)
E	Drain hose		VP16
F	Screw point fasten the indoor unit		φ5
G	Outlet for piping (on both side)		

RFB000Z004

Model SRF50ZJX-S1

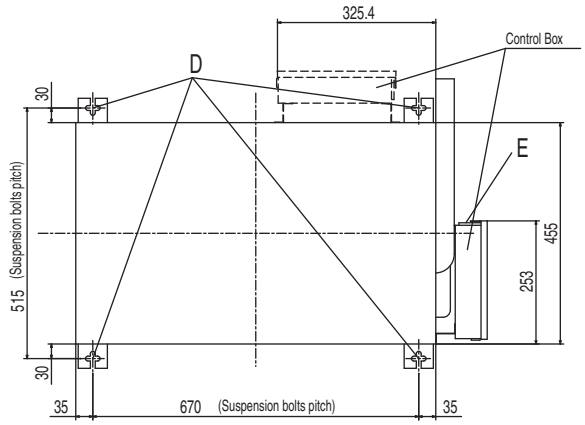


Symbol	Content	
A	Gas piping	ϕ12.7(1/2") (Flare)
B	Liquid piping	ϕ6.35(1/4") (Flare)
C	Hole on wall for right rear piping	(ϕ65)
D	Hole on wall for left rear piping	(ϕ65)
E	Drain hose	VP16
F	Screw point fasten the indoor unit	ϕ5
G	Outlet for piping (on both side)	

RFB000Z005

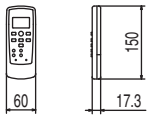
(3) Ceiling concealed type (SRR)

Models SRR25ZJ-S, 35ZJ-S, 50ZJ-S, 60ZJ-S

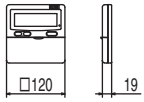


Symbol	Content		
	Model	SRR25ZJ-S, 35ZJ-S	SRR50ZJ-S, 60ZJ-S
A	Gas piping	φ9.52 (3/8") (Flare)	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)	
C	Drain piping	VP16	
D	Suspension bolts	(M8)	
E	Power supply intake	(φ35)	

Wireless remote controller



Wired remote controller
(Option)



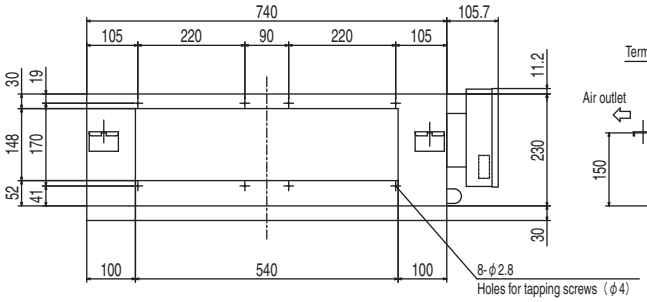


FIG.A

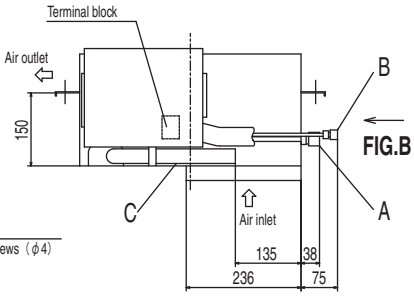
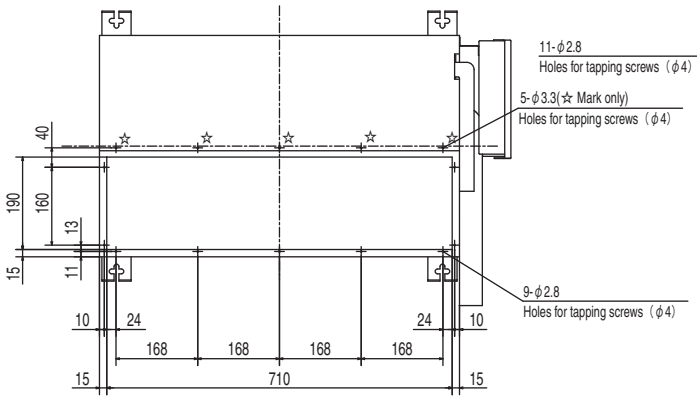


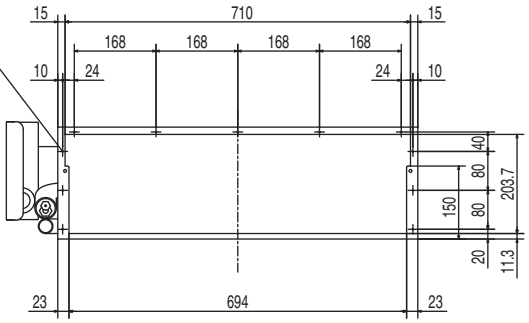
FIG.B

Note (1) The model name label is attached on the lid of the control box.
(2) It takes the interface kit (SC-BIKN-E) to connect the wired remote controller.

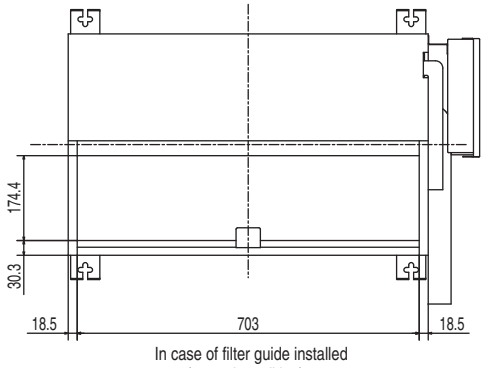
Unit:mm



In case of filter guide taken off

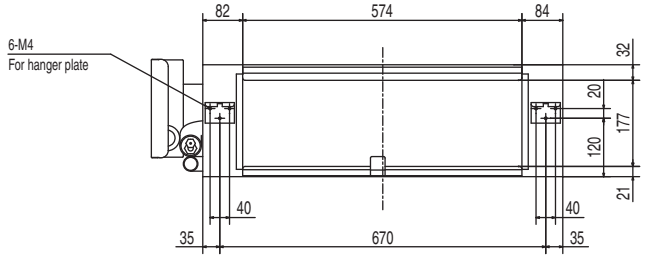


In case of rear panel taken off



In case of filter guide installed
(normal condition)

FIG.A
(Air inlet from lower)



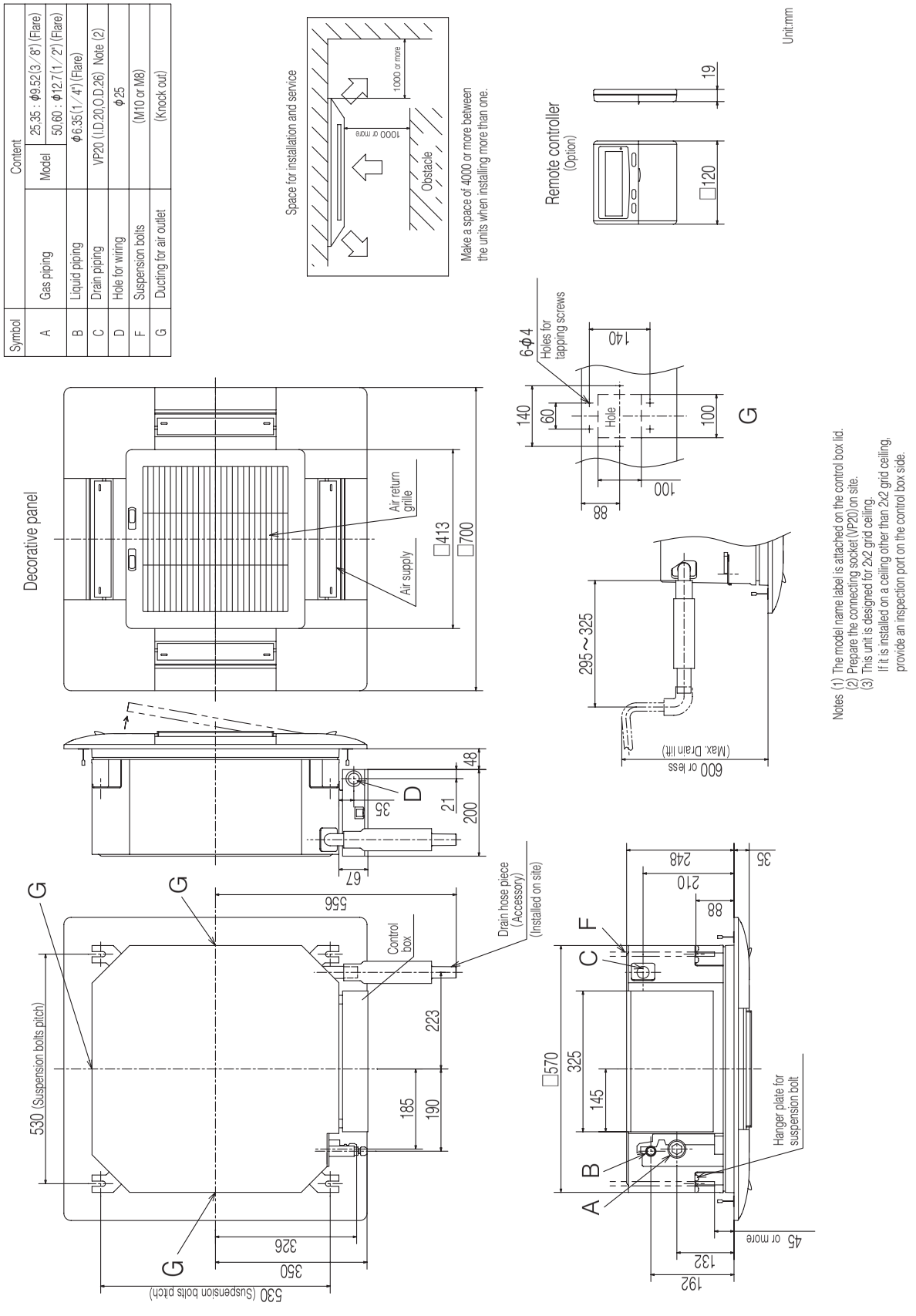
In case of filter guide installed
(option)

FIG.B
(Air inlet from rear)

RJD000Z502 A

(4) Ceiling cassette-4way compact type (FDTC)

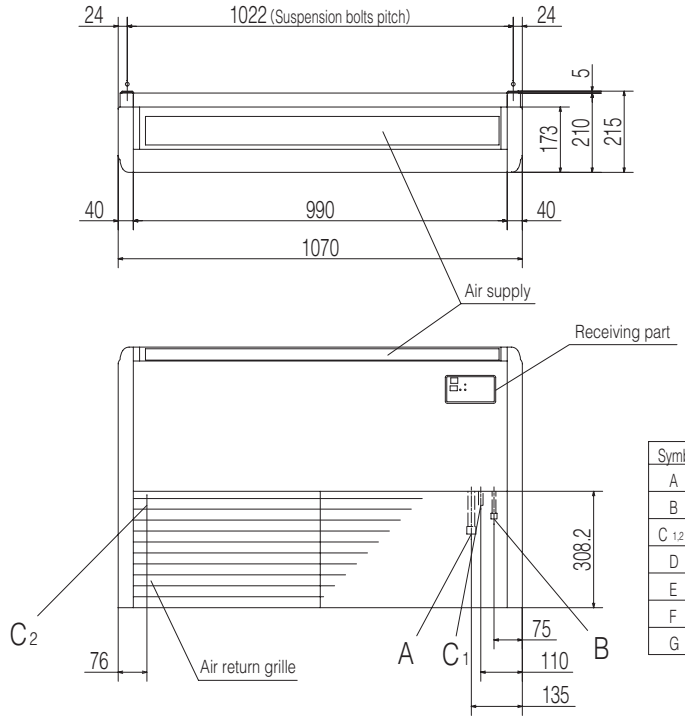
Models FDTC25VD, 35VD, 50VD, 60VD

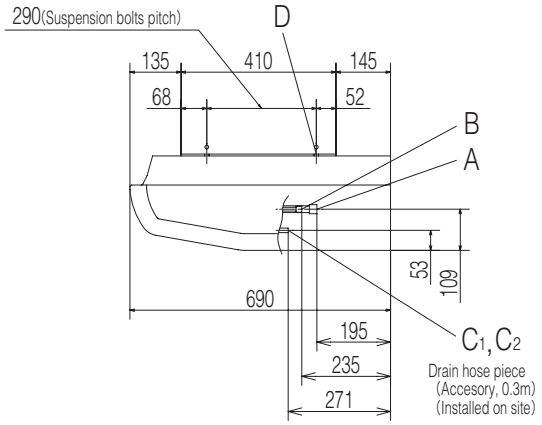


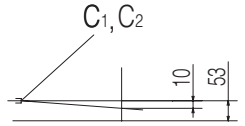
PJA003Z338 B

(5) Ceiling suspended type (FDEN)

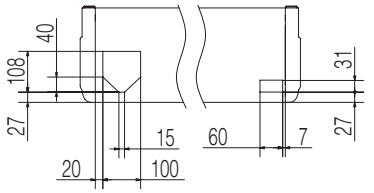
Model FDEN50VD







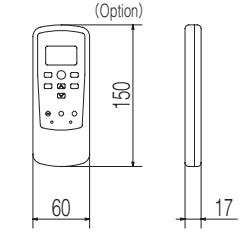
Note) The slope of drain piping inside the unit must take decline of 10mm.



Symbol	Content	
A	Gas piping	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)
C 1,2	Drain piping	VP20 (I.D.20, O.D.26)
D	Hole for suspension bolts	(M10 or M8)
E	Back cutout	PE cover
F	Top cutout	Plate cover
G	Drain piping (for left back)	(Knock out)

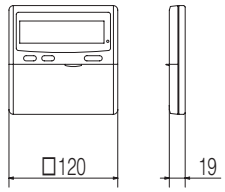
Wireless remote controller

(Option)



Wired remote controller

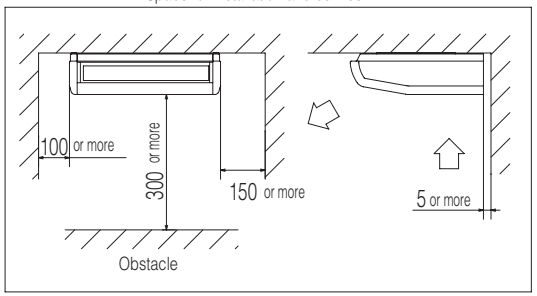
(Option)



Note (1) The model name label is attached on the fan casing inside the air return grille.

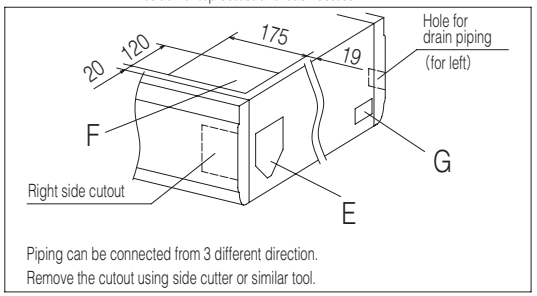
Unit:mm

Space for installation and service



Make a space of 4000 or more between the units when installing more than one.

Position of top cutout and back cutout

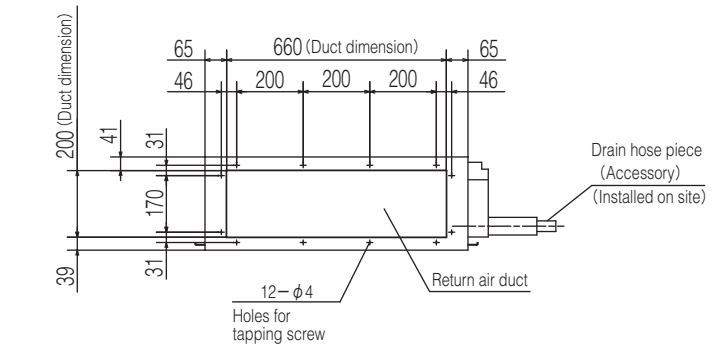


Piping can be connected from 3 different direction.
Remove the cutout using side cutter or similar tool.

PFA003Z816/b

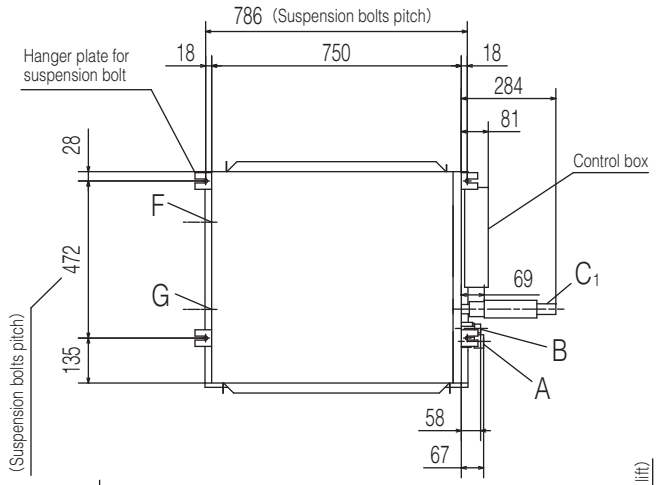
(6) Duct connected Low/Middle static pressurer type (FDUM)

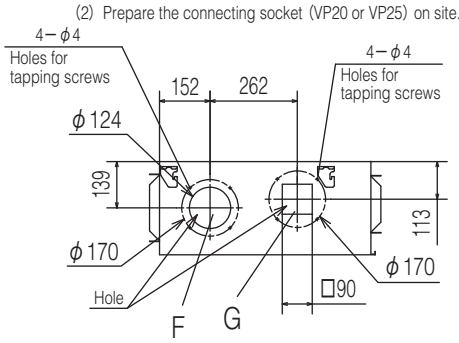
Model FDUM50VF



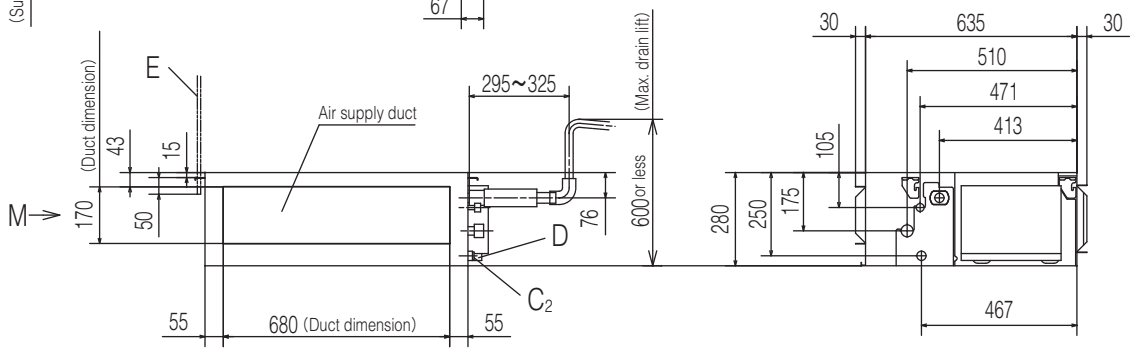
Symbol	Content	
A	Gas piping	φ12.7 (1/2") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C1	Drain piping	VP20 (I.D.20, O.D.26) (Standard) or VP25 (I.D.25, O.D.32) (Used with attached socket) Note (2)
C2	Drain piping (Gravity drainage)	VP20 (I.D.20, O.D.26) (Standard) or VP25 (I.D.25, O.D.32) (Used with attached socket)
D	Hole for wiring	
E	Suspension bolts	(M10)
F	Outside air opening for ducting	(φ150) (Knock out)
G	Air outlet opening for ducting	(φ125) (Knock out)
H	Inspection hole	(450X450)

Notes (1) The model name label is attached on the lid of the control box.
(2) Prepare the connecting socket (VP20 or VP25) on site.





View M

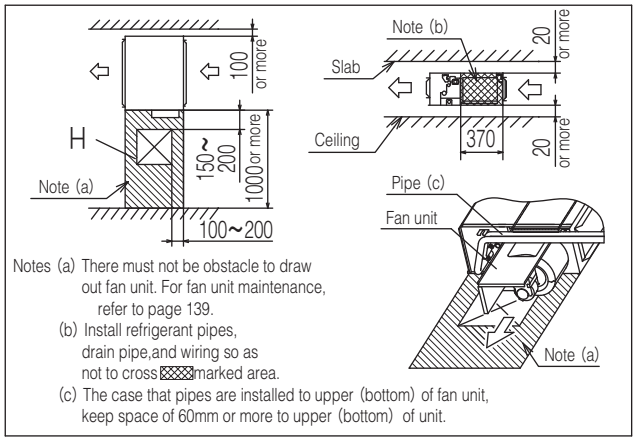


Unit:mm

Space for installation and service

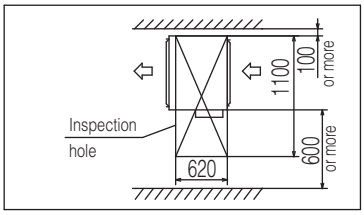
Select either of two cases to keep space for installation and services.

(Case 1) From side of unit

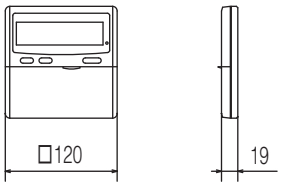


Notes (a) There must not be obstacle to draw out fan unit. For fan unit maintenance, refer to page 139.
(b) Install refrigerant pipes, drain pipe,and wiring so as not to cross ▨ marked area.
(c) The case that pipes are installed to upper (bottom) of fan unit, keep space of 60mm or more to upper (bottom) of unit.

(Case 2) From bottom of unit



Remote controller
(Option)



PJG000Z002 a

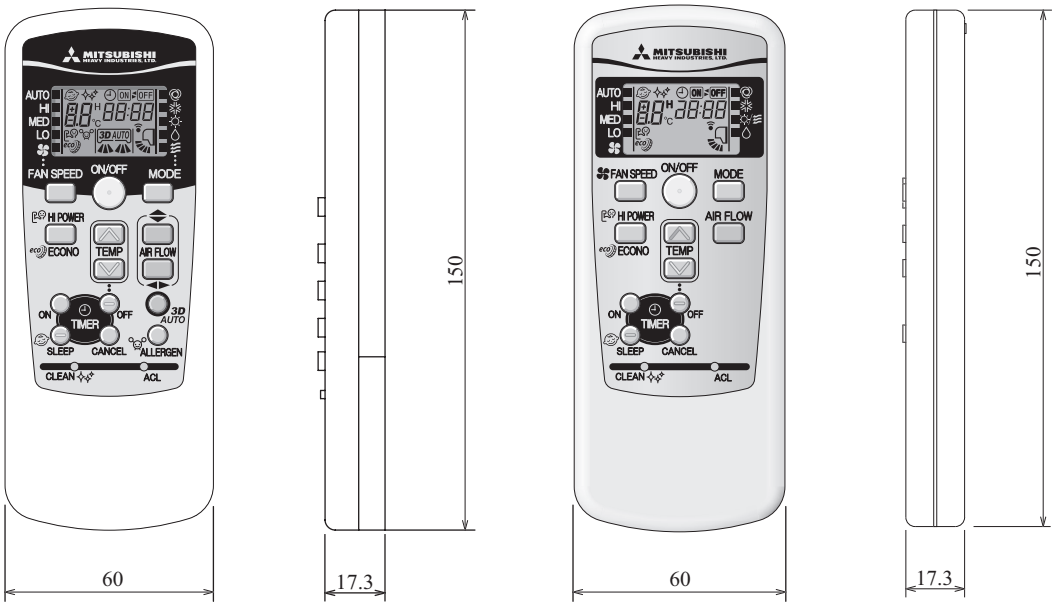
(7) Remote controller

(a) Wireless remote controller

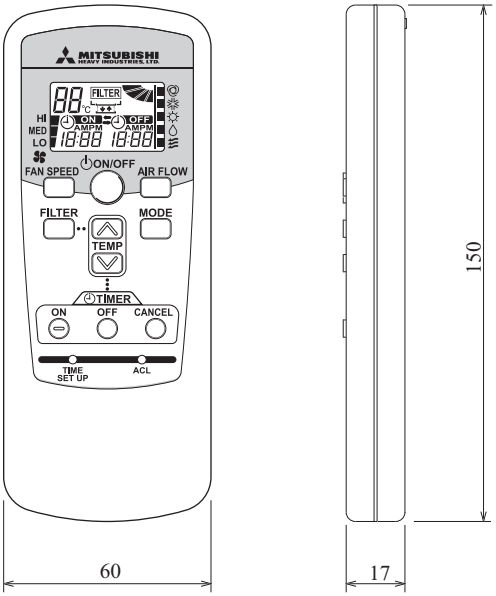
Models SRK, SRF **Model SRR**

(Typical example)

Unit: mm

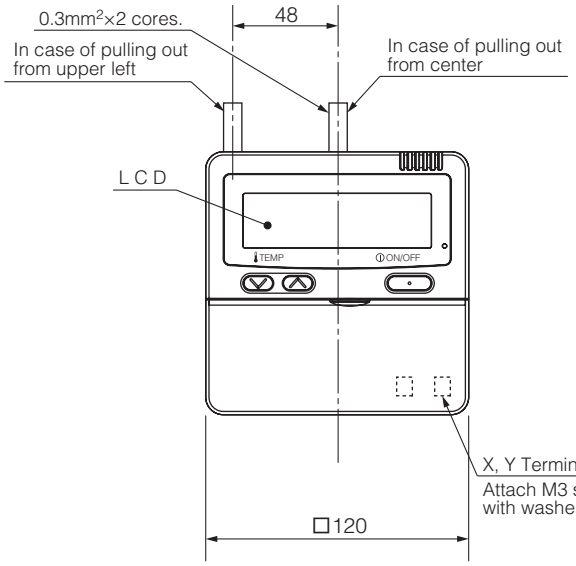


Models FDTC, FDEN, FDUM (Option parts)

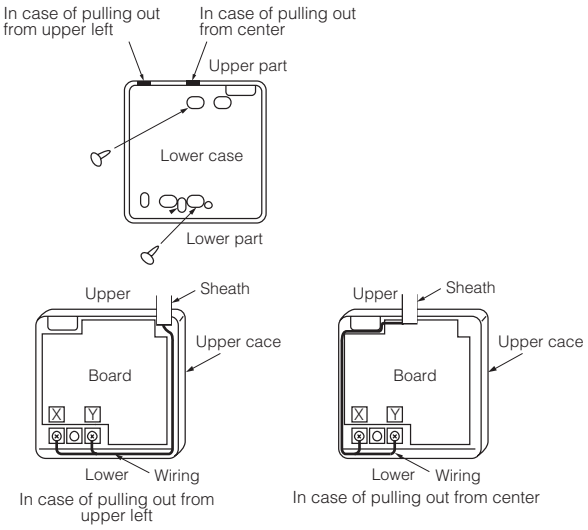


(b) Wired remote controller (Optional parts)

Exposed mounting

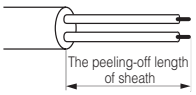


Wiring outlet
Cut off the upper thin part of remote control lower case with a nipper or knife, and grind burrs with a file etc.

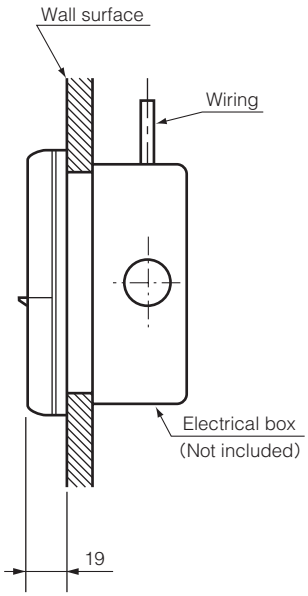


The peeling-off length of sheath

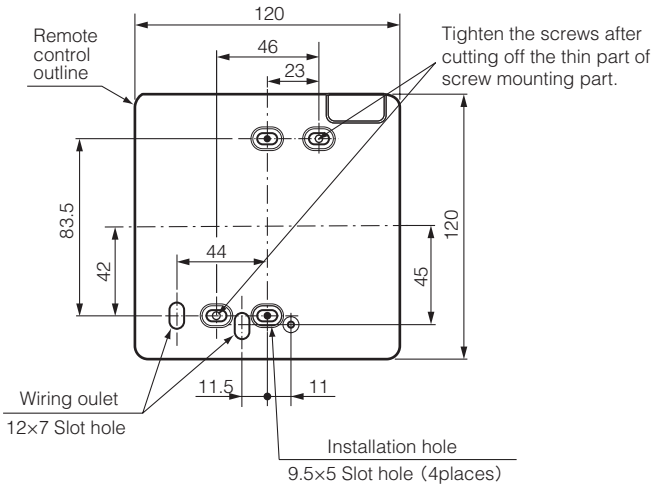
Pulling out from upper left	Pulling out from center
X wiring : 215mm Y wiring : 195mm	X wiring : 170mm Y wiring : 190mm



Embedded mounting



Remote control installation dimensions



(1) Installation screw for remote control
M4 Screw (2 pieces)

Unit:mm

Wiring specifications

(1) If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm². Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.

Length	Wiring thickness
100 to 200m	0.5mm²×2 cores
Under 300m	0.75mm²×2 cores
Under 400m	1.25mm²×2 cores
Under 600m	2.0mm²×2 cores

PJZ000Z274

2.3 Electrical wirings

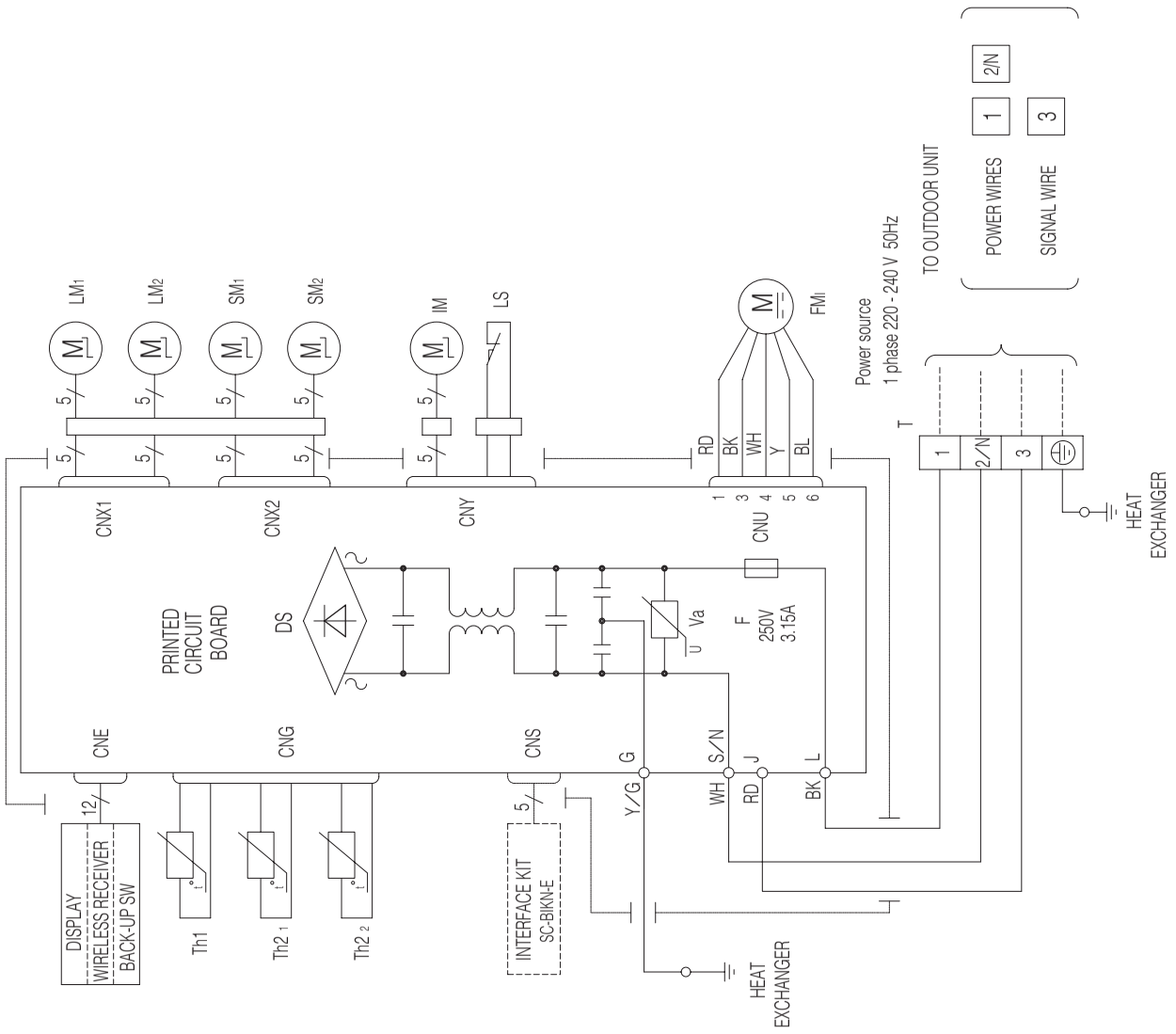
(1) Wall mounted type (SRK)

Models SRK20ZJX-S, 25ZJX-S, 35ZJX-S

Item	Description
CNE-CNY	Connector
FMI	Fan motor
SM1,2	Flap motor
LM1,2	Louver motor
IM	Inlet motor
Th1	Room temp. sensor
Th2 1,2	Heat exch. sensor
LS	Limit switch
DS	Diode stack
F	Fuse
T	Terminal block
Va	Varistor

Color Marks

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green



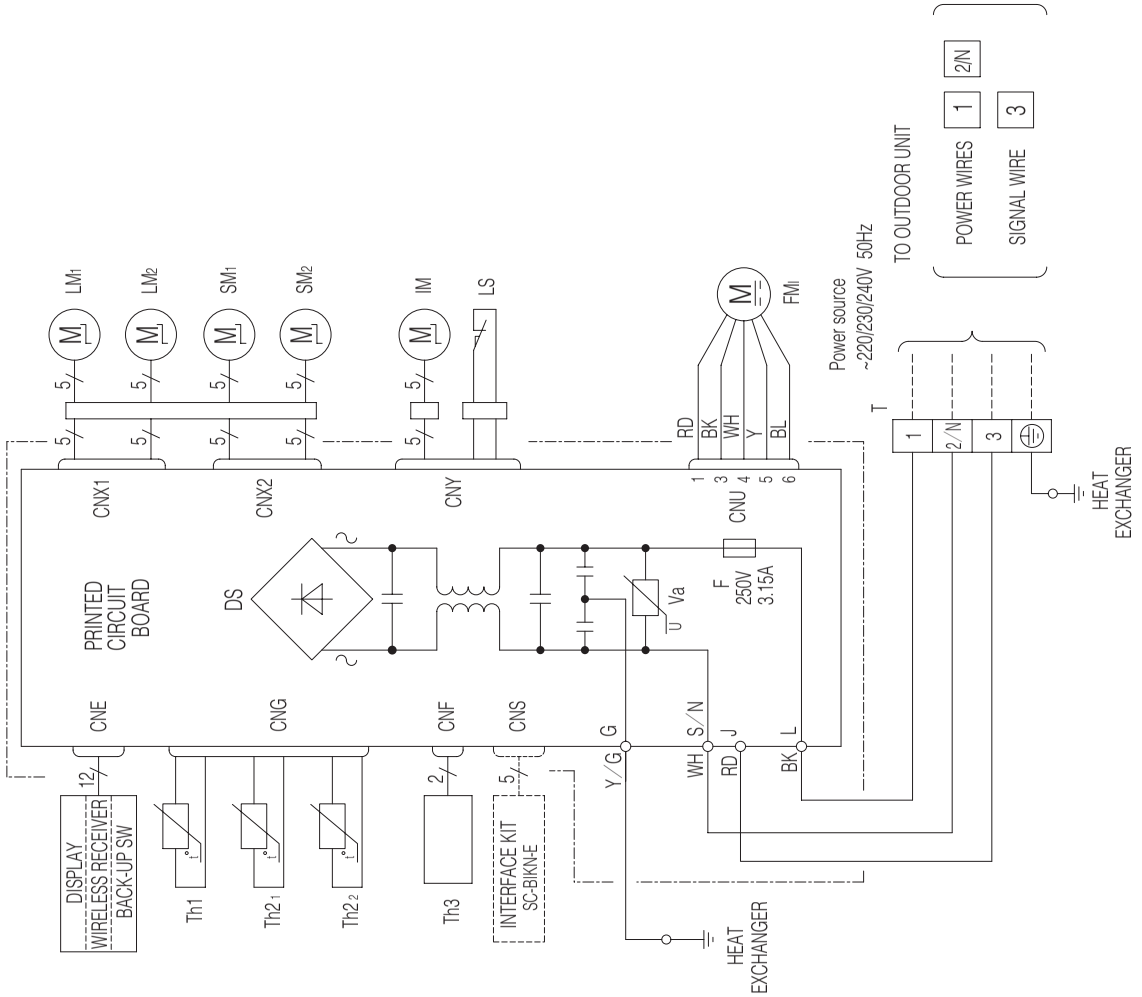
RWA000Z227

Models SRK50ZJX-S1, 60ZJX-S1

Item	Description
CNE-CNY	Connector
FMı	Fan motor
$SM_{1,2}$	Flap motor
$LM_{1,2}$	Louver motor
IM	Inlet motor
Th1	Room temp. sensor
$Th2_{1,2}$	Heat exch. sensor
Th3	Humidity sensor
LS	Limit switch
DS	Diode stack
F	Fuse
T	Terminal block
Va	Varistor

Color Marks

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

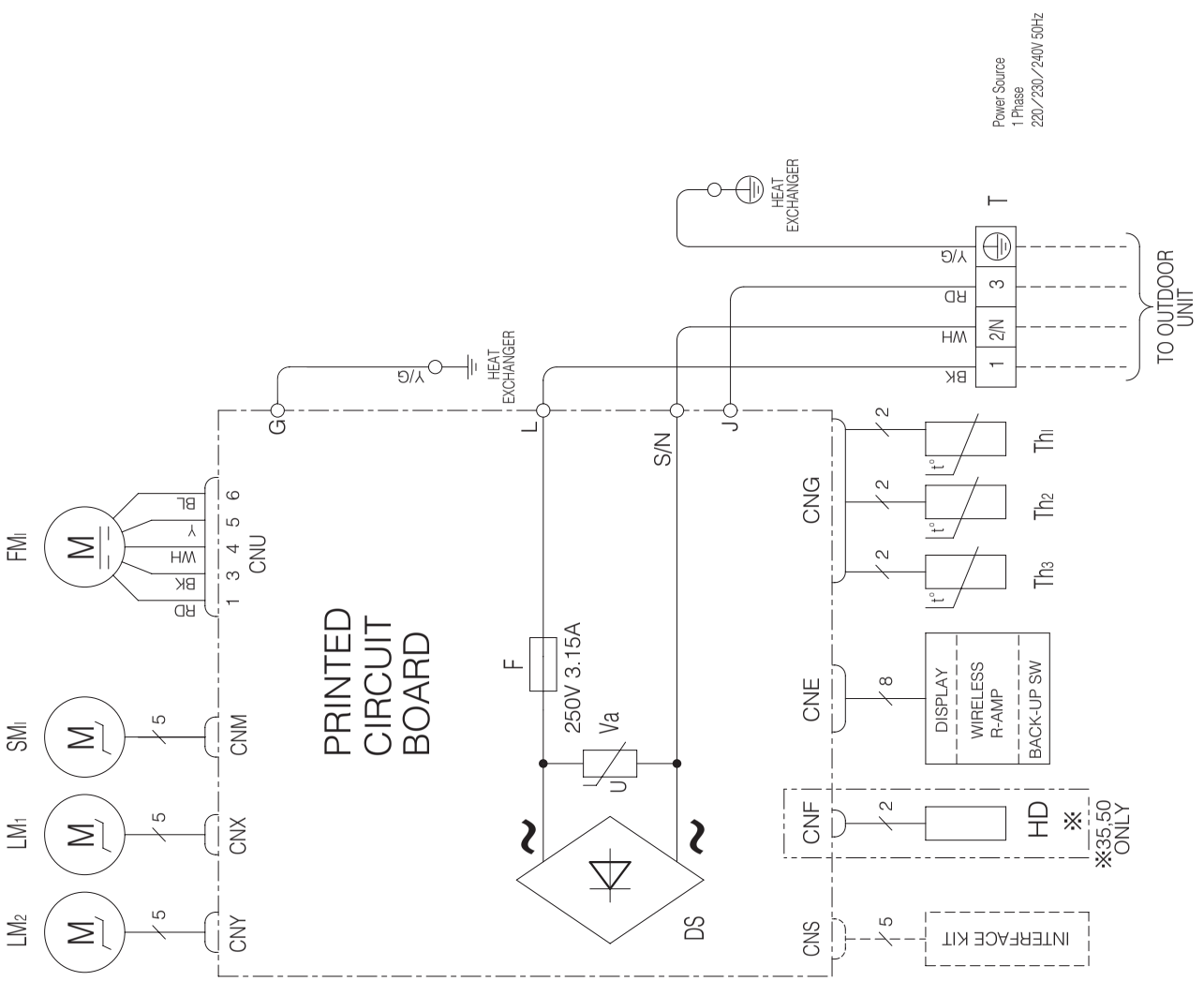


RWA000Z236

Models SRK25ZJR-S, 35ZJR-S, 20ZJ-S, 25ZJ-S, 35ZJ-S, 50ZJ-S

Item	Description
CNE-CNY	Connector
FM_1	Fan motor
SM_1	Flap motor
$LM_{1,2}$	Louver motor
HD	Humidity sensor
Th_1	Room temp. sensor
$Th_{2,3}$	Heat exch. sensor
DS	Diode stack
F	Fuse
T	Terminal block
Va	Varistor

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

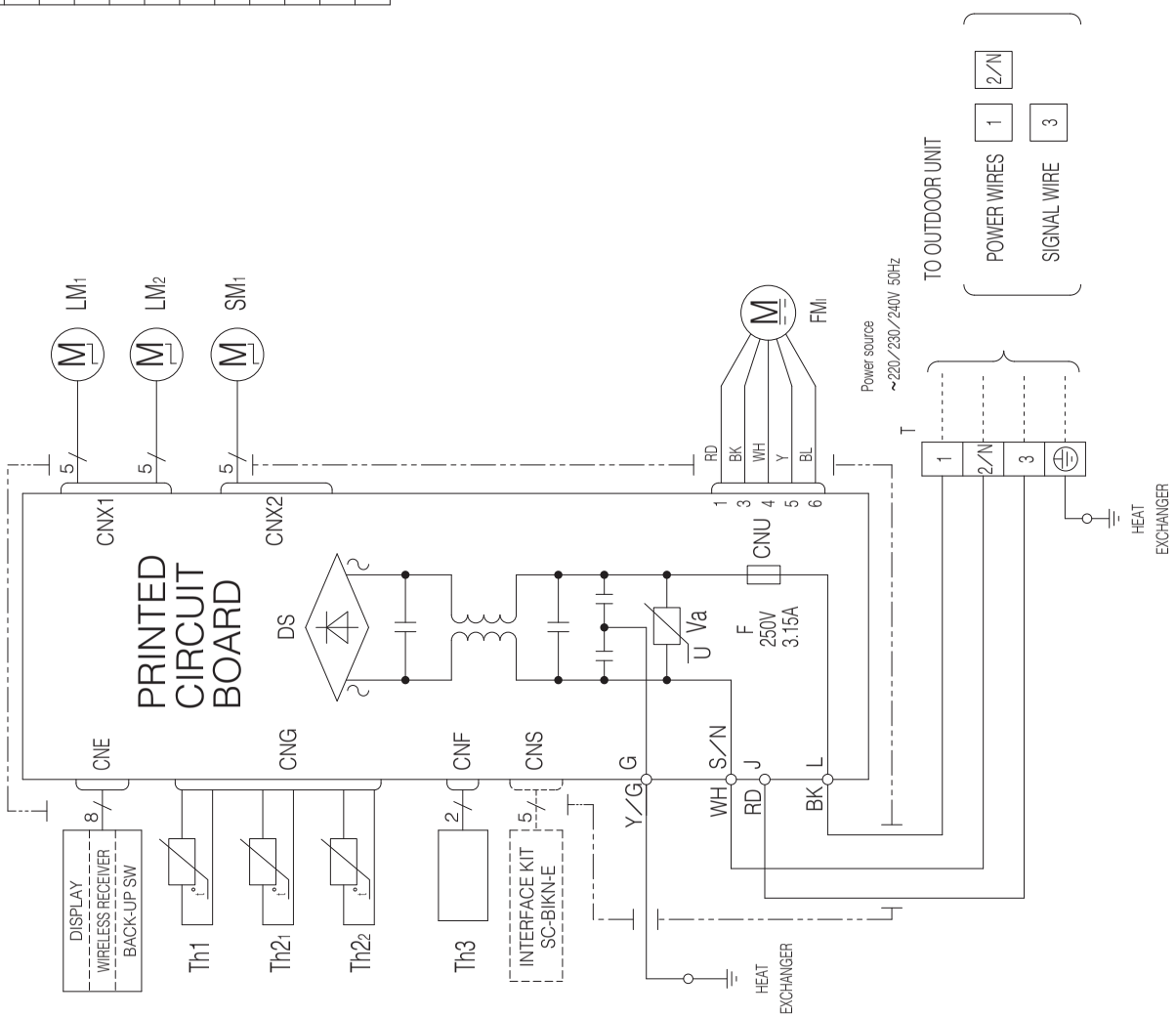


RWA000Z226 A

Model SRK71ZK-S

Item	Description
CNE-CNX2	Connector
FMI	Fan motor
SM_1	Flap motor
$LM_{1,2}$	Louver motor
Th1	Room temp. sensor
$Th2_{1,2}$	Heat exch. sensor
Th3	Humidity sensor
DS	Diode stack
F	Fuse
T	Terminal block
Va	Varistor

Color Marks	Color
Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green



RWA000Z400

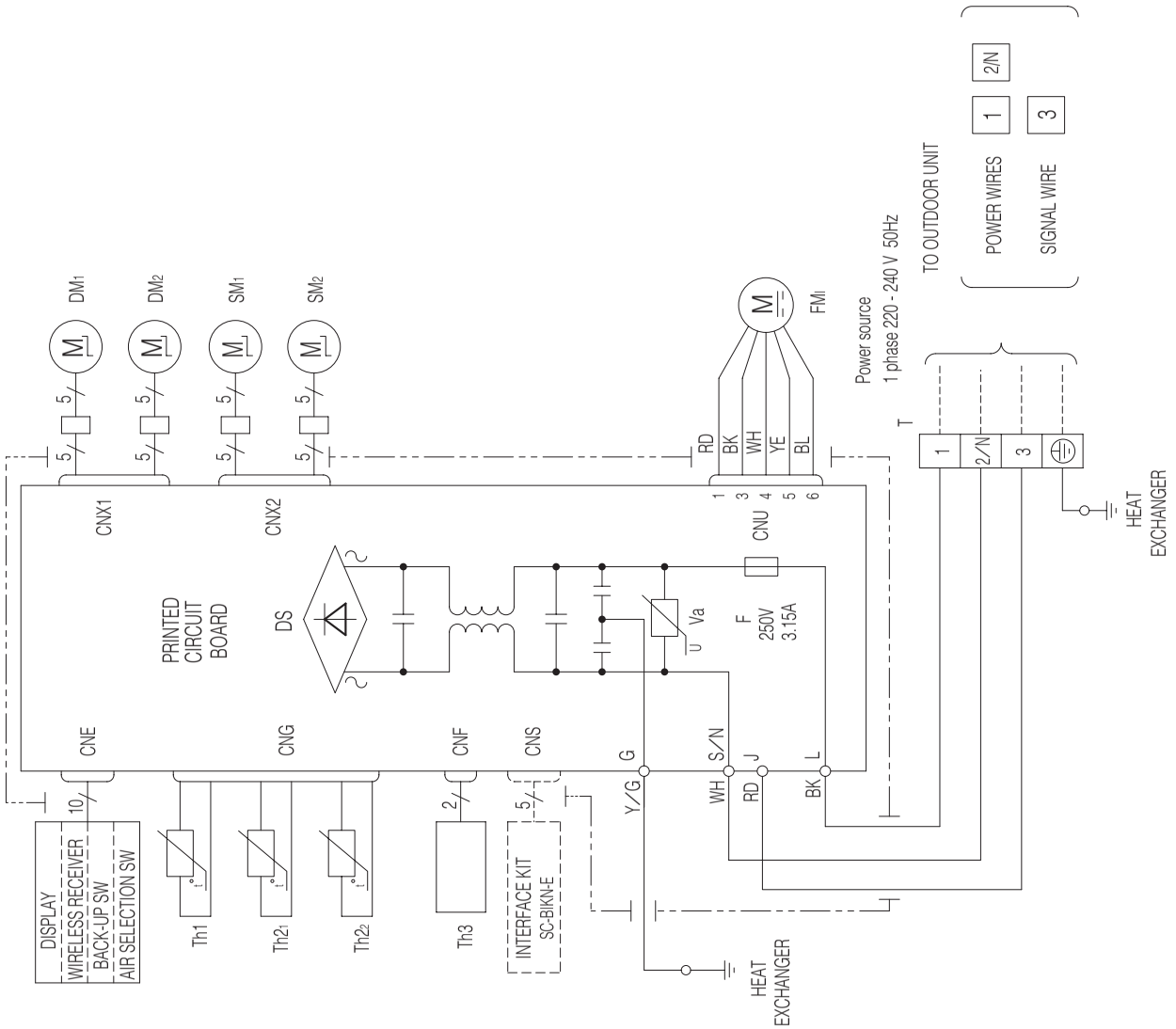
(2) Floor standing type (SRF)

Models SRF25ZJX-S, 35ZJX-S

Item	Description
CNE-CNX2	Connector
FM_1	Fan motor
$SM_{1,2}$	Flap motor
DM_1	Damper motor
DM_2	Damper arm motor
Th1	Room temp. sensor
$Th2_{1,2}$	Heat exch. sensor
Th3	Humidity sensor
DS	Diode stack
F	Fuse
T	Terminal block
Va	Varistor

Color Marks

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
YE	Yellow
Y/G	Yellow/Green



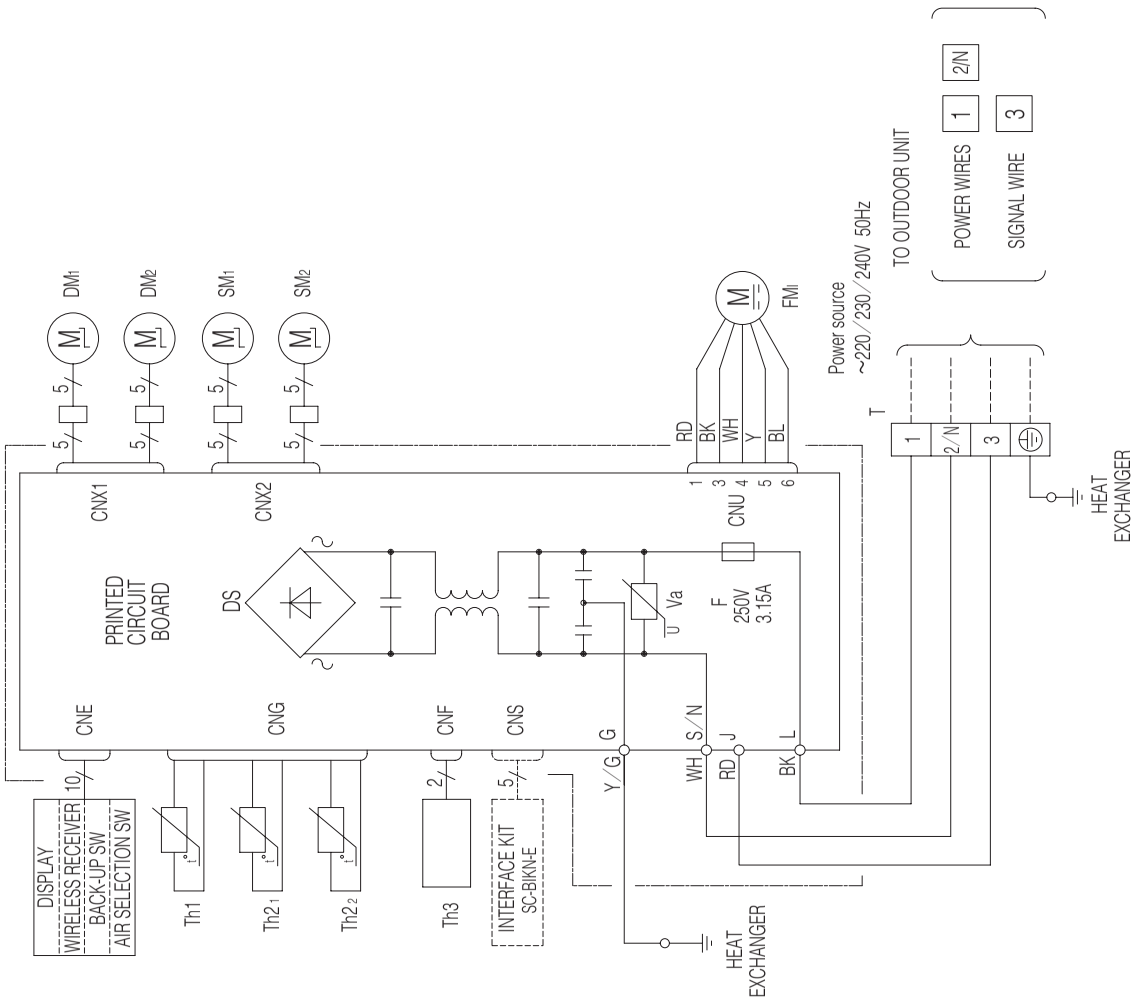
RWB000Z052

Model SRF50ZJX-S1

Item	Description
CNE-CNX2	Connector
FM1	Fan motor
SM1,2	Flap motor
DM1	Damper motor
DM2	Damper arm motor
Th1	Room temp. sensor
Th2 1,2	Heat exch. sensor
Th3	Humidity sensor
DS	Diode stack
F	Fuse
T	Terminal block
Va	Varistor

Color Marks

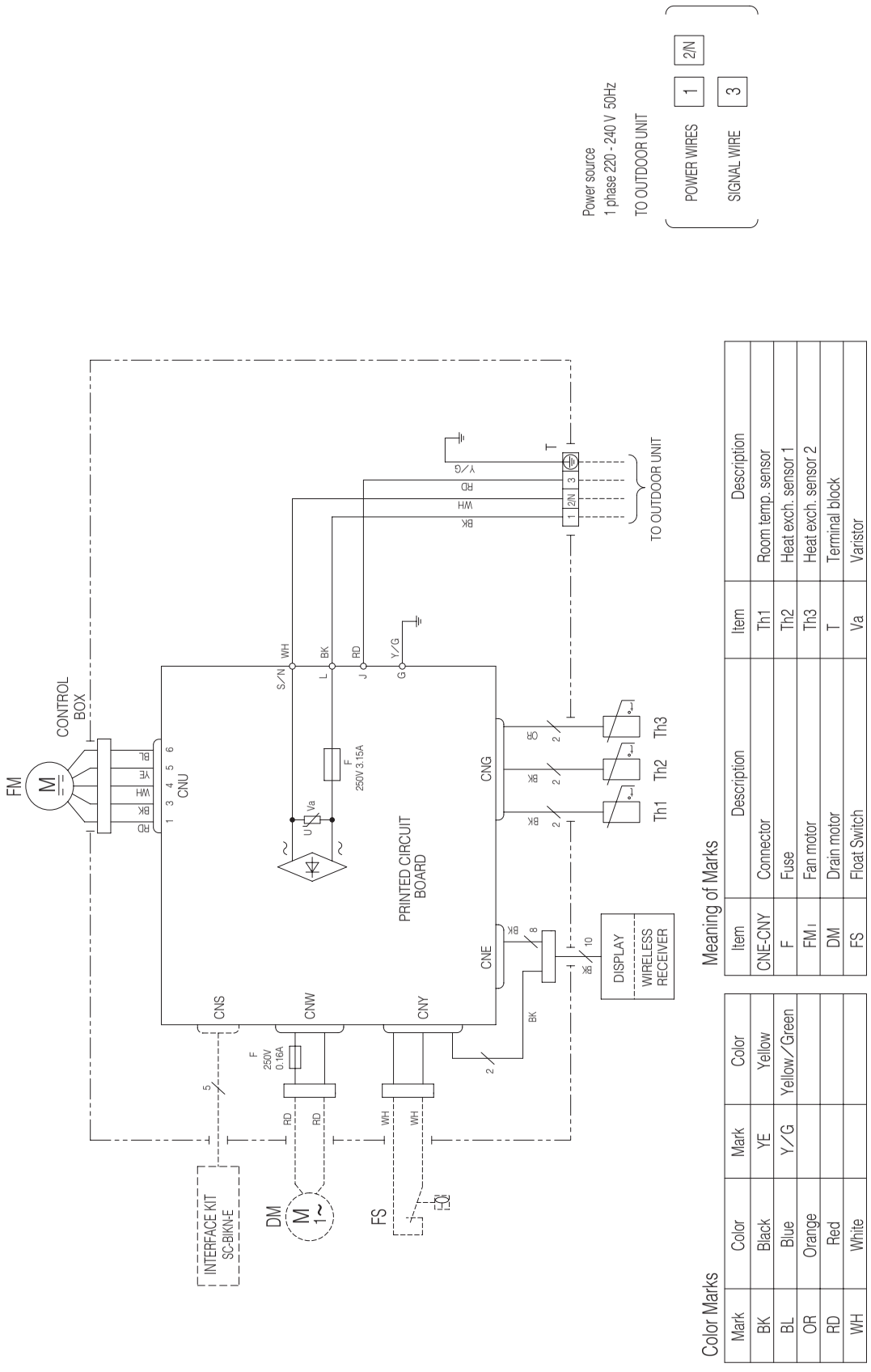
Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green



RWB000Z054

(3) Ceiling concealed type (SRR)

Models SRR25ZJ-S, 35ZJ-S, 50ZJ-S, 60ZJ-S



Meaning of Marks

Item	Description	Item	Description
CNE-CNY	Connector	Th1	Room temp. sensor
F	Fuse	Th2	Heat exch. sensor 1
FM ı	Fan motor	Th3	Heat exch. sensor 2
DM	Drain motor	T	Terminal block
FS	Float Switch	Va	Varistor

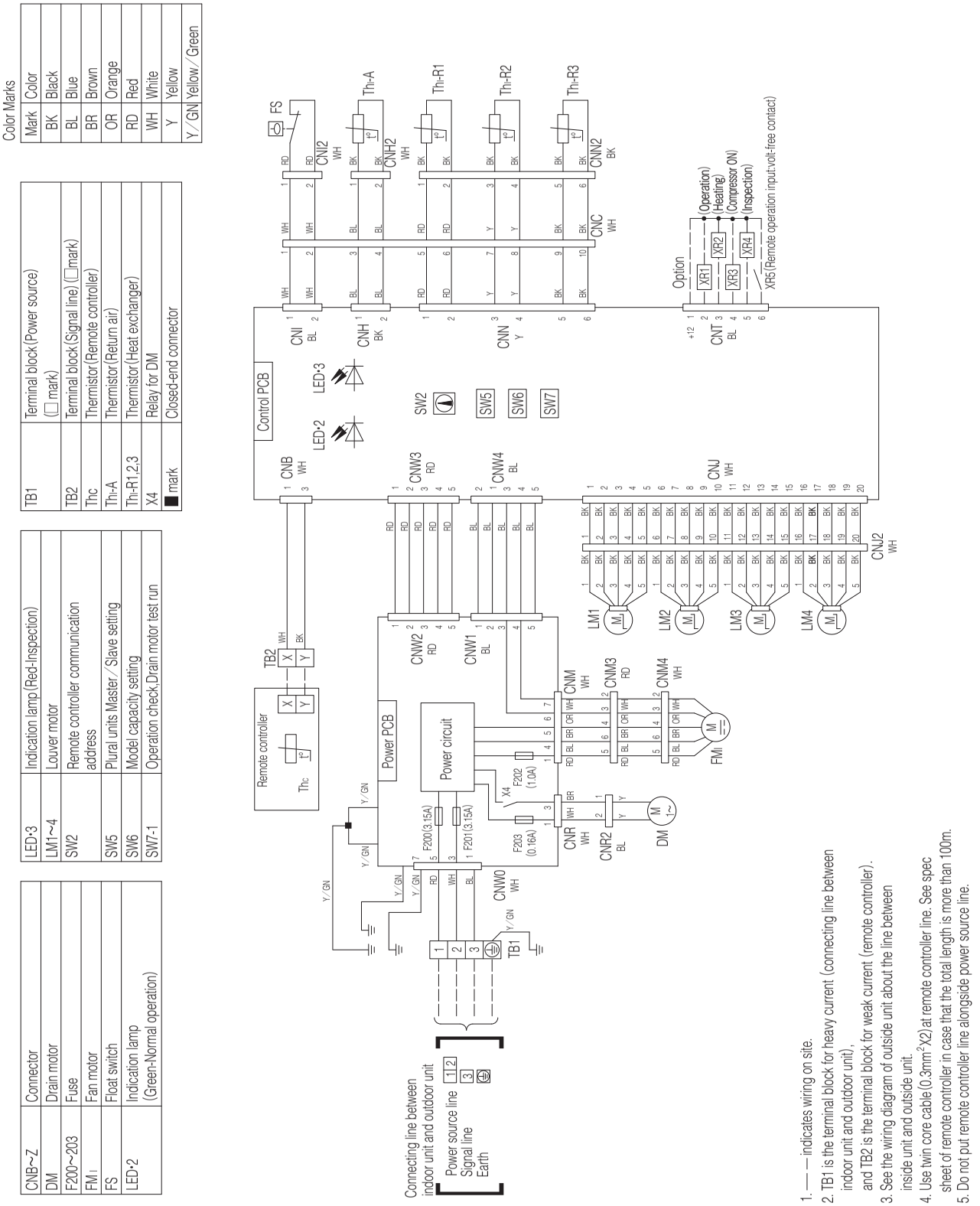
Color Marks

Mark	Color	Mark	Color
BK	Black	YE	Yellow
BL	Blue	Y/G	Yellow/Green
OR	Orange		
RD	Red		
WH	White		

RWA000Z230

(4) Ceiling cassette-4way compact type (FDTC)

Models FDTC25VD, 35VD, 50VD, 60VD

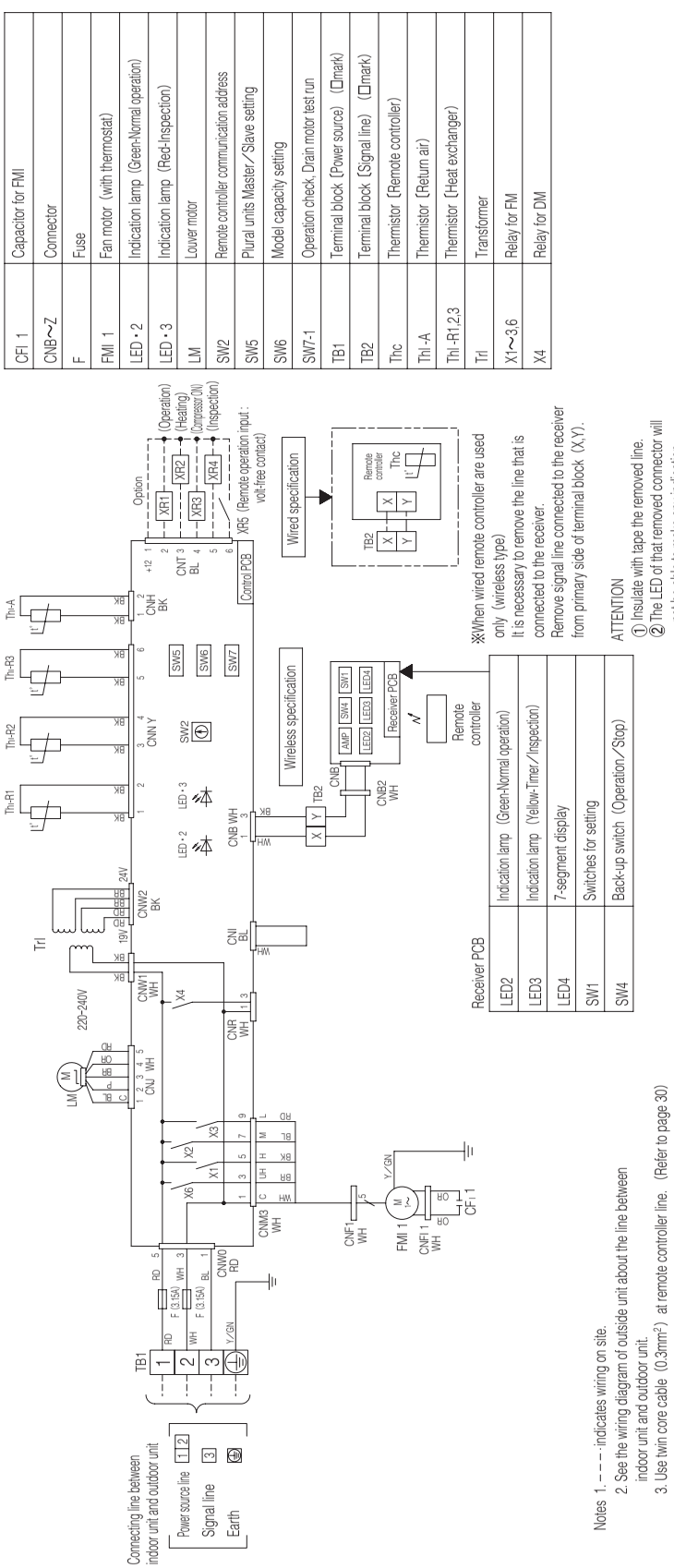


Notes 1. — indicates wiring on site.
2. TB1 is the terminal block for heavy current (connecting line between indoor unit and outdoor unit), and TB2 is the terminal block for weak current (remote controller).
3. See the wiring diagram of outside unit about the line between inside unit and outside unit.
4. Use twin core cable(0.3mm^{2}X2)at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
5. Do not put remote controller line alongside power source line.

PJA003Z340 B

(5) Ceiling suspended type (FDEN)

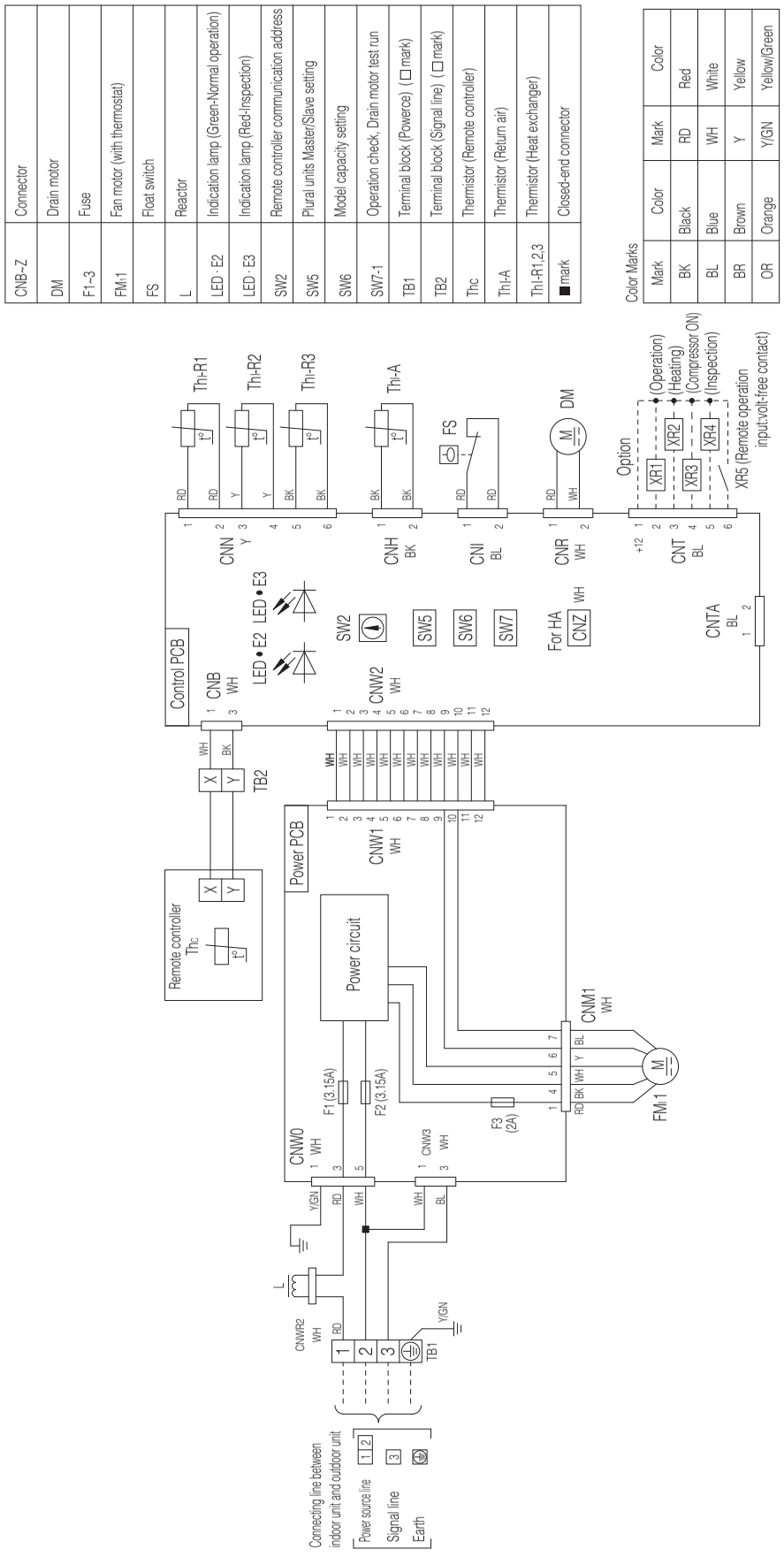
Model FDEN50VD



PFA003Z819 A

(6) Duct connected Low/Middle static pressure type (FDUM)

Model FDUM50VF



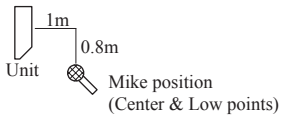
Notes 1. - - - - indicates wiring on site.
2. See the wiring diagram of outside unit about the line between inside unit and outside unit.
3. Use twin core cable (0.3mm² x2) at remote controller line. See spec sheet of remote controller in case that the total length is more than 100m.
4. Do not put remote controller line alongside power source line.

PJG000Z005 A

2.4 Noise levels

(1) Wall mounted type (SRK)

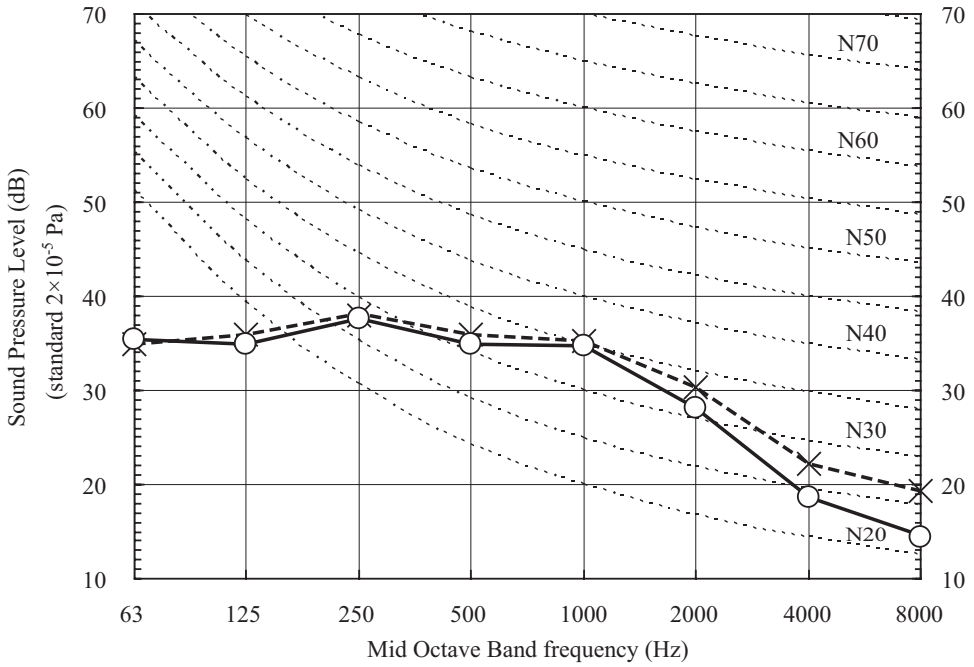
(a) Models SRK20, 25, 35ZJX-S, 50, 60ZJX-S1



Model	SRK20ZJX-S	
Noise Level	Cooling	39 dB(A)
	Heating	38 dB(A)

Condition	ISO-T1, JIS C9612

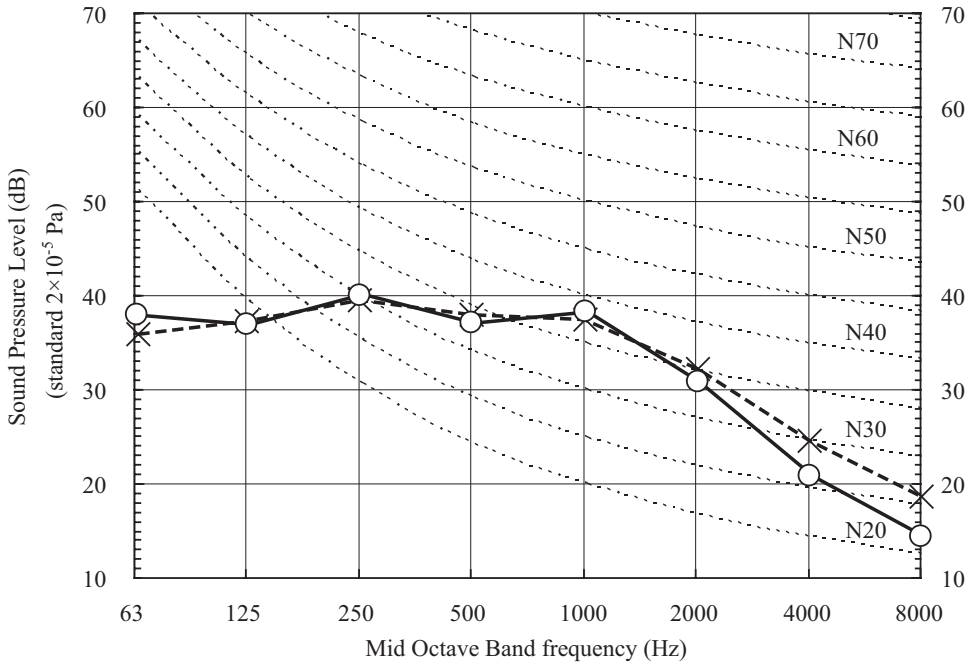
× ····· Cooling, ○ —— Heating



Model	SRK25ZJX-S	
Noise Level	Cooling	41 dB(A)
	Heating	41 dB(A)

Condition	ISO-T1, JIS C9612

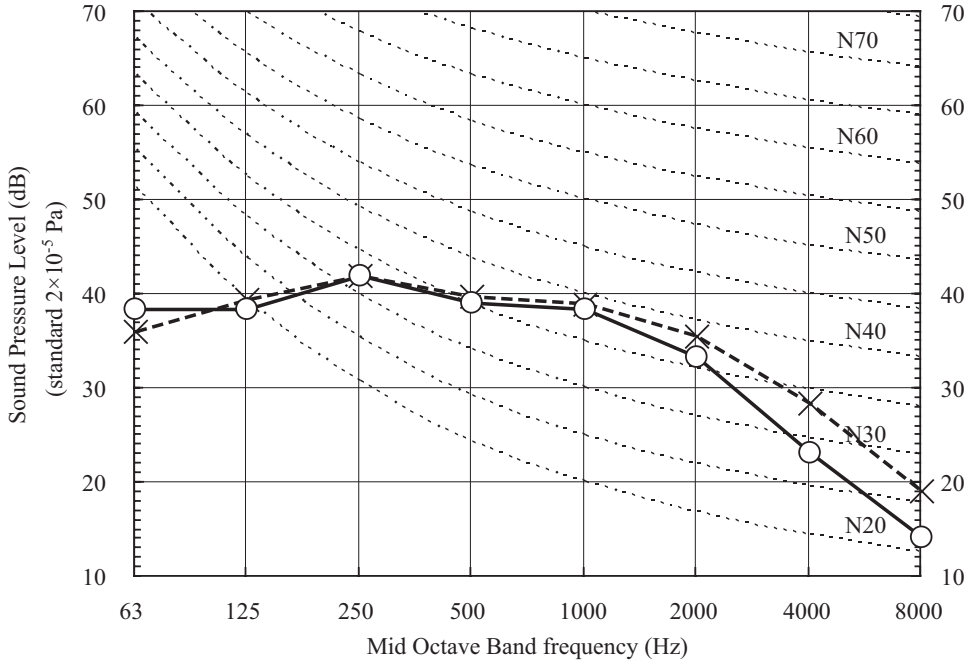
× ····· Cooling, ○ —— Heating



Model	SRK35ZJX-S	
Noise Level	Cooling	43 dB(A)
	Heating	42 dB(A)

Condition	ISO-T1, JIS C9612

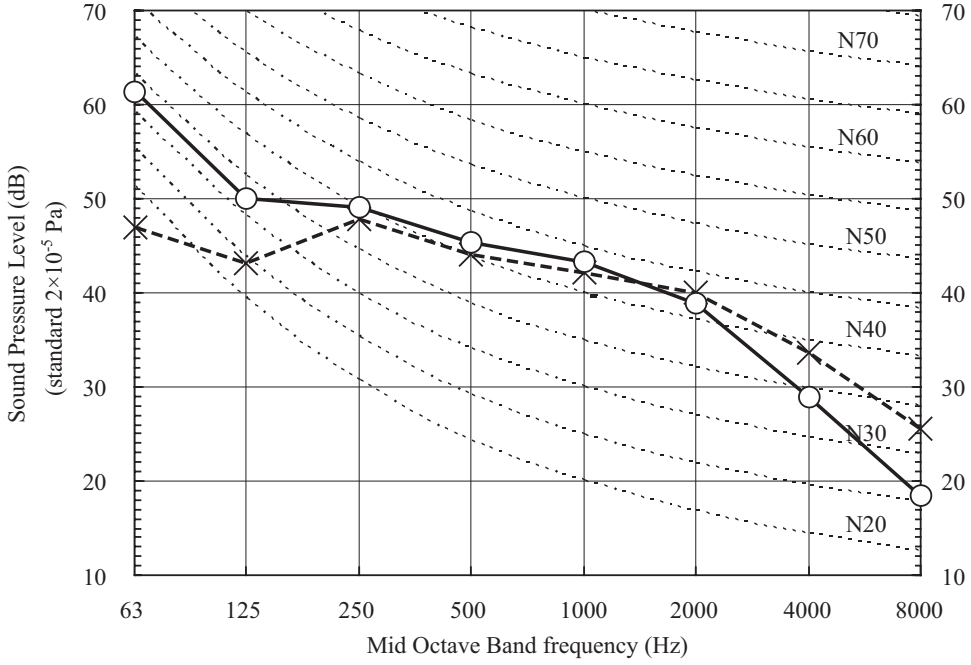
× ····· Cooling, ○ —— Heating



Model	SRK50ZJX-S1	
Noise Level	Cooling	47 dB(A)
	Heating	48 dB(A)

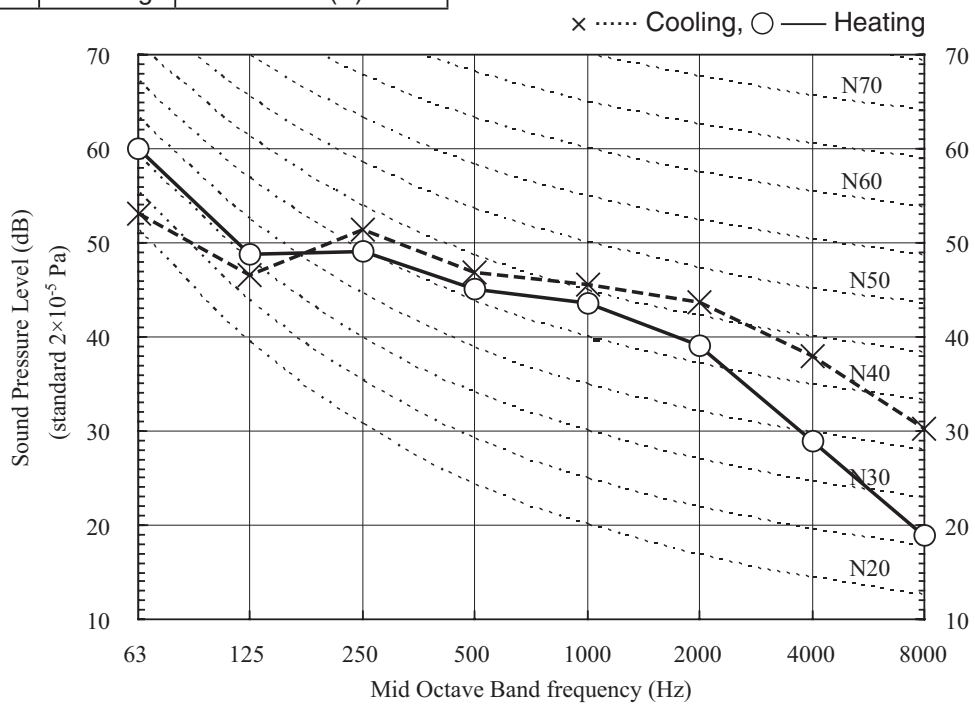
Condition	ISO-T1, JIS C9612

× ····· Cooling, ○ —— Heating



Model	SRK60ZJX-S1	
Noise Level	Cooling	51 dB(A)
	Heating	48 dB(A)

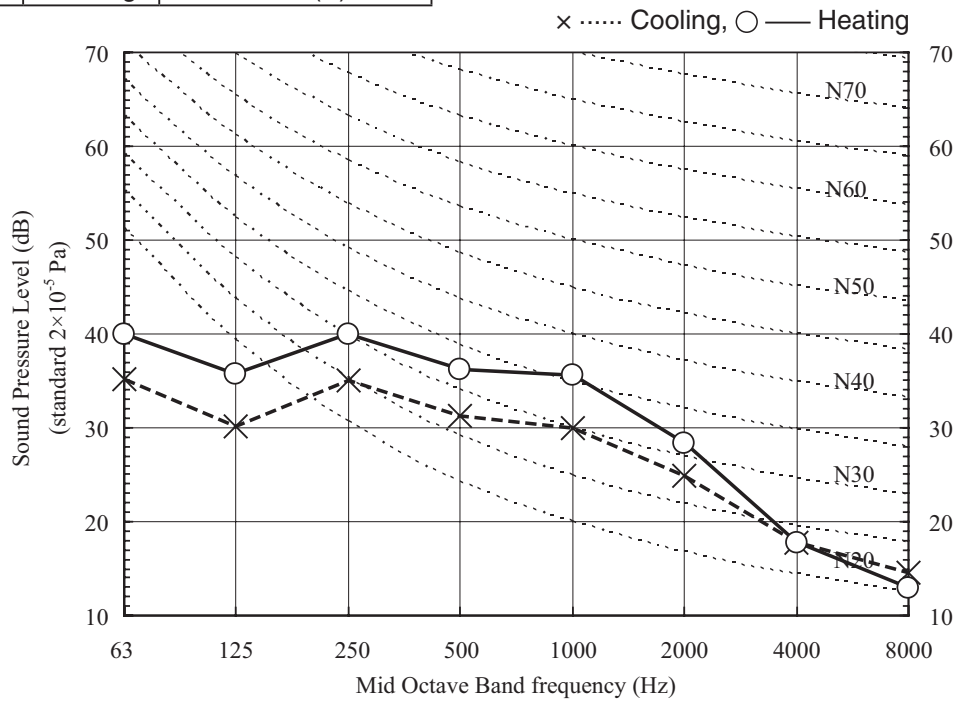
Condition	ISO-T1, JIS C9612



(b) Models SRK25, 35ZJR-S

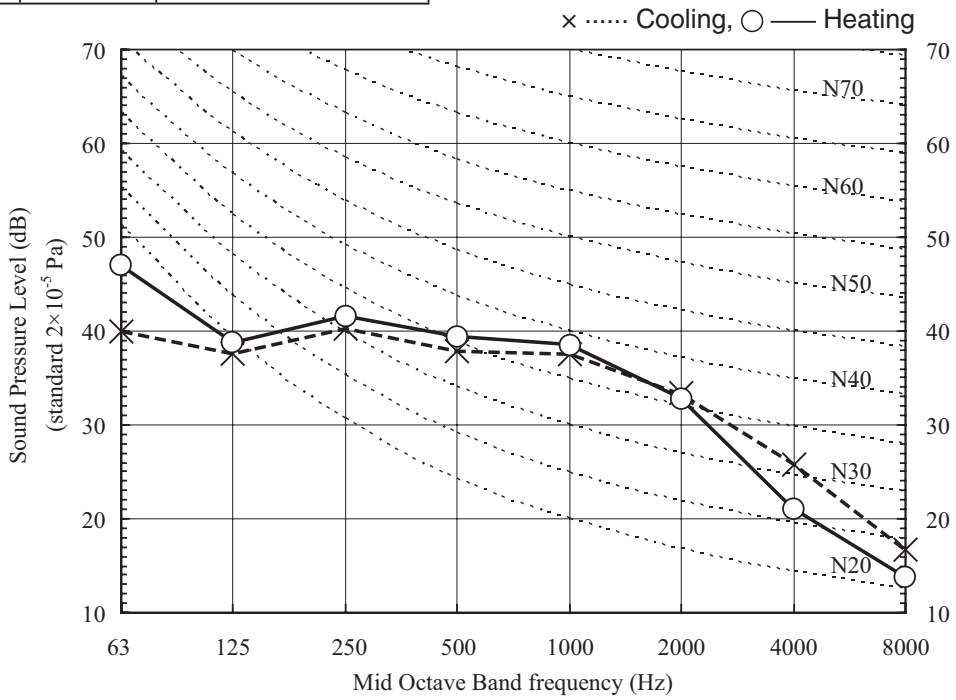
Model	SRK25ZJ-S	
Noise Level	Cooling	34 dB(A)
	Heating	39 dB(A)

Condition	ISO-T1, JIS C9612



Model	SRK35ZJR-S	
Noise Level	Cooling	41 dB(A)
	Heating	42 dB(A)

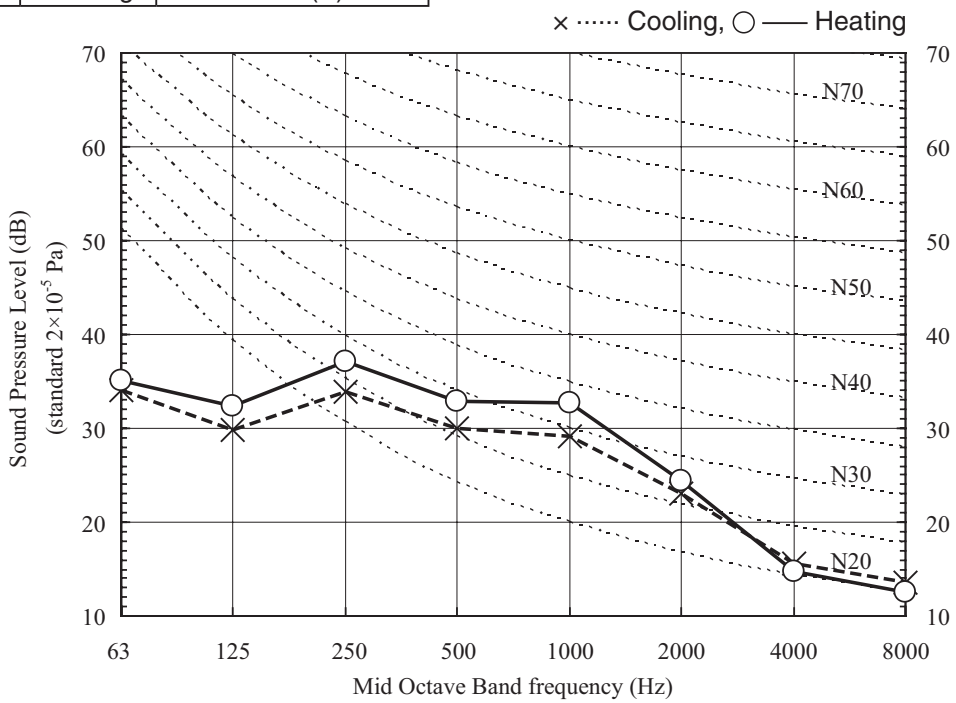
Condition	ISO-T1, JIS C9612



(c) Models SRK20, 25, 35, 50ZJ-S

Model	SRK20ZJ-S	
Noise Level	Cooling	33 dB(A)
	Heating	36 dB(A)

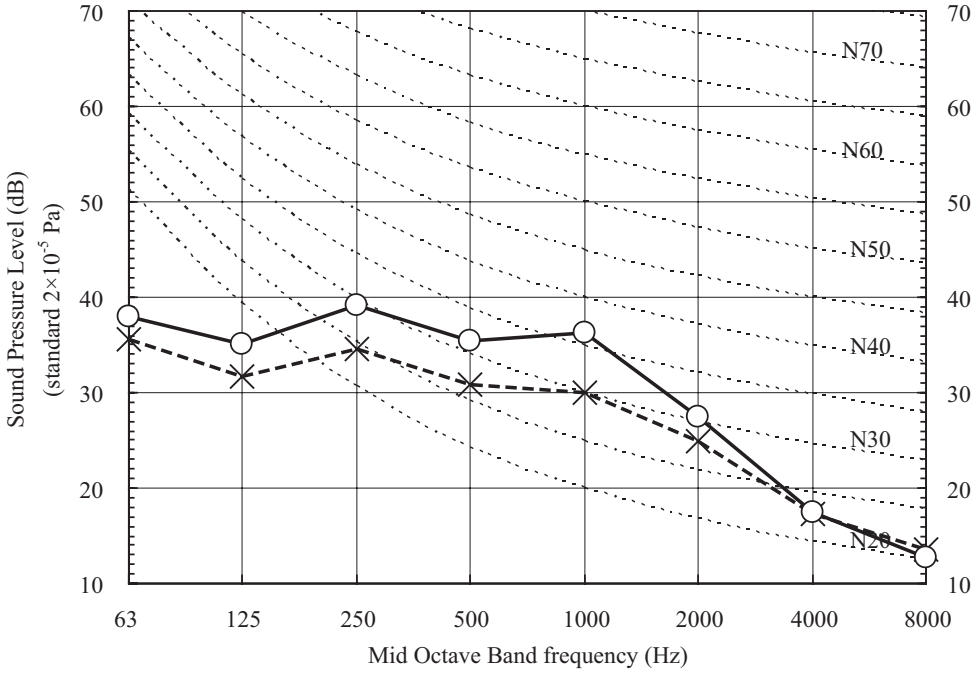
Condition	ISO-T1, JIS C9612



Model	SRK25ZJ-S	
Noise Level	Cooling	34 dB(A)
	Heating	39 dB(A)

Condition	ISO-T1, JIS C9612

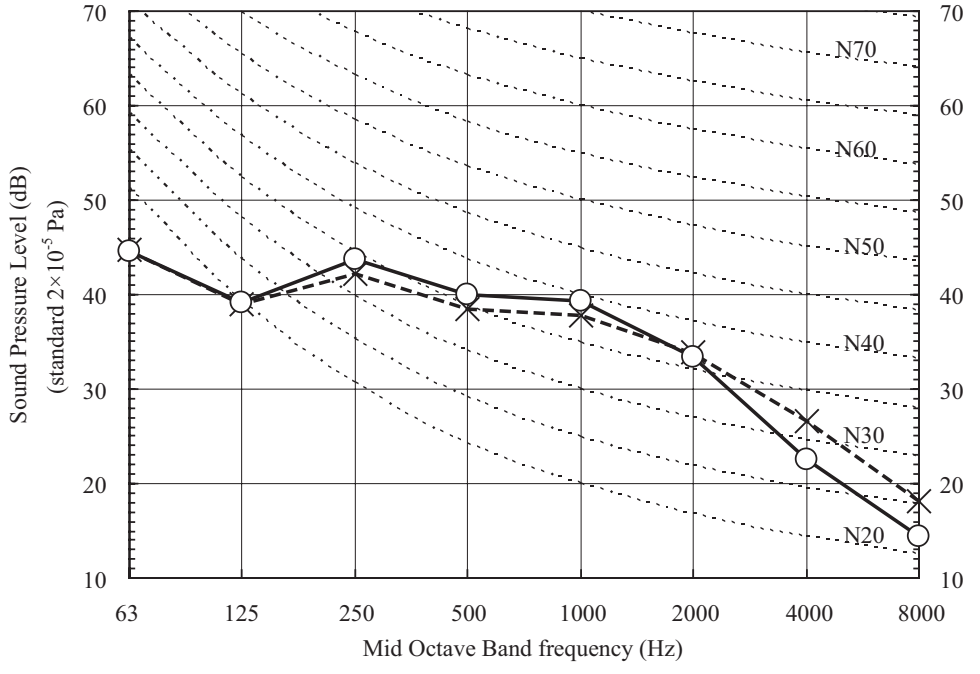
× ····· Cooling, ○ —— Heating



Model	SRK35ZJ-S	
Noise Level	Cooling	42 dB(A)
	Heating	43 dB(A)

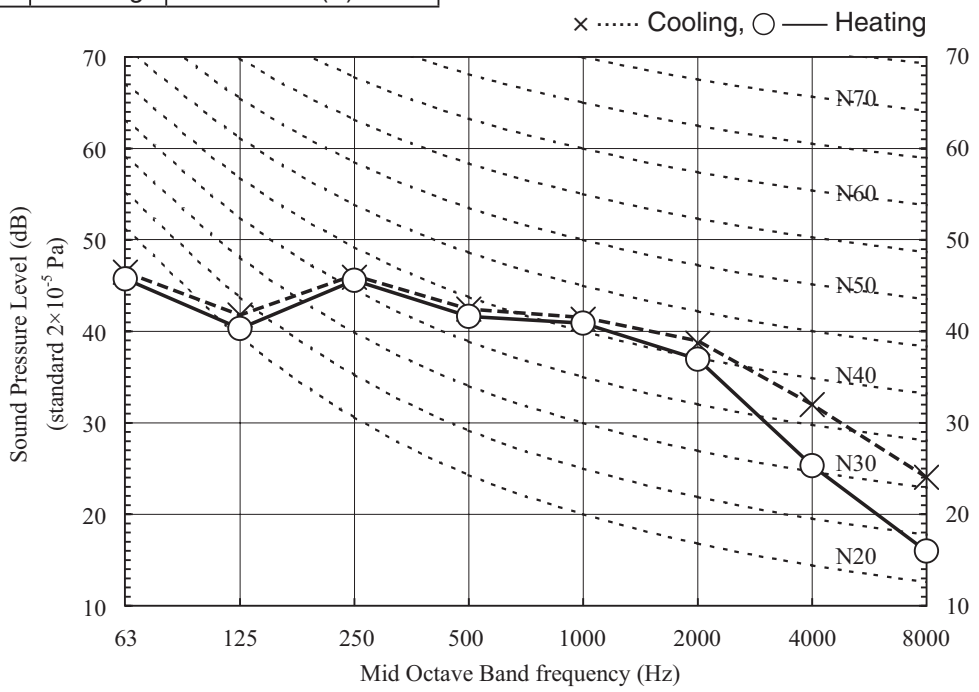
Condition	ISO-T1, JIS C9612

× ····· Cooling, ○ —— Heating



Model	SRK50ZJ-S	
Noise Level	Cooling	46 dB(A)
	Heating	45 dB(A)

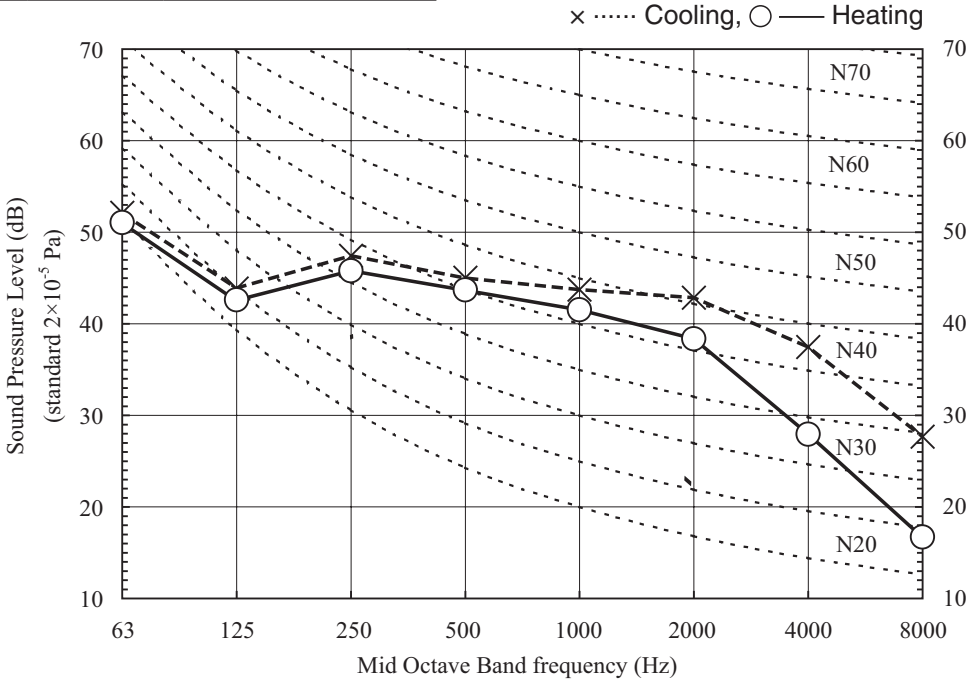
Condition	ISO-T1, JIS C9612



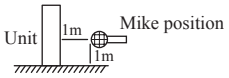
(d) Model SRK71ZK-S

Model	SRK71ZK-S	
Noise Level	Cooling	49 dB(A)
	Heating	46 dB(A)

Condition	ISO-T1, JIS C9612



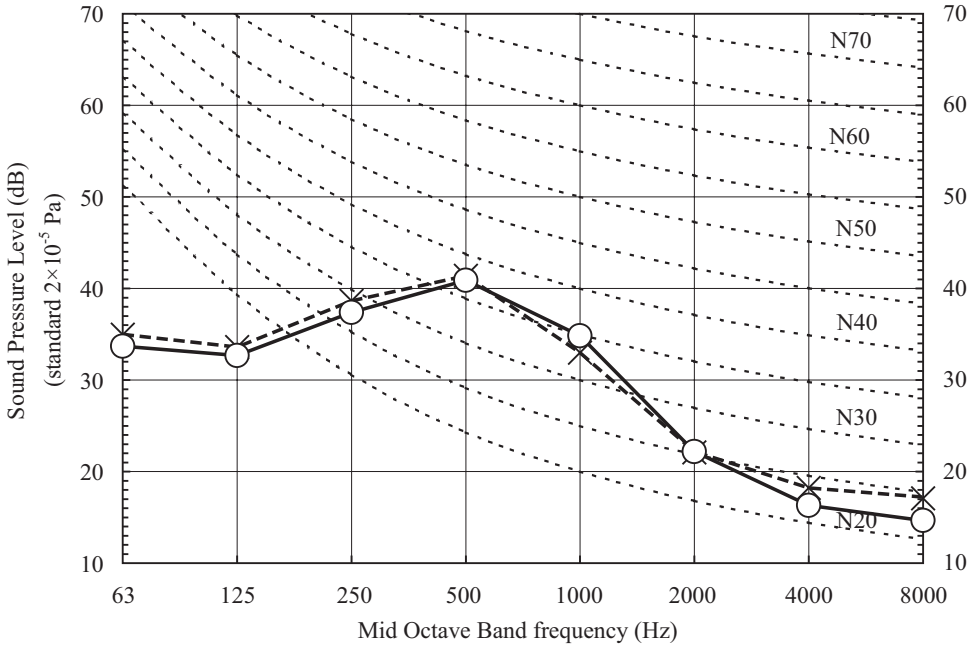
(2) Floor standing type (SRF)



Model	SRF25ZJX-S	
Noise Level	Cooling	40 dB(A)
	Heating	40 dB(A)

Condition	ISO-T1, JIS C9612

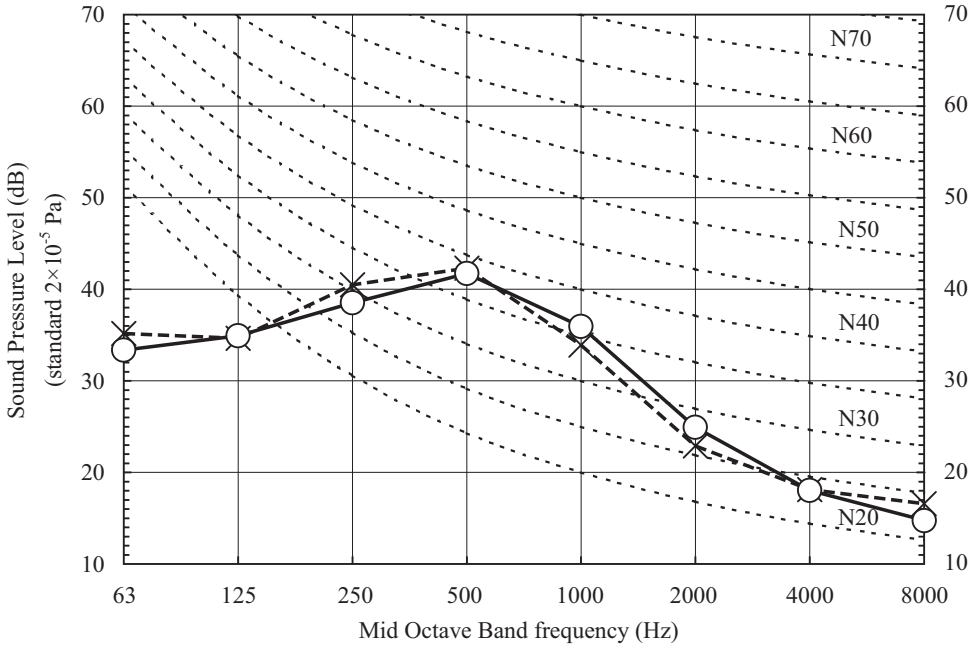
× ····· Cooling, ○ —— Heating



Model	SRF35ZJX-S	
Noise Level	Cooling	41 dB(A)
	Heating	41 dB(A)

Condition	ISO-T1, JIS C9612

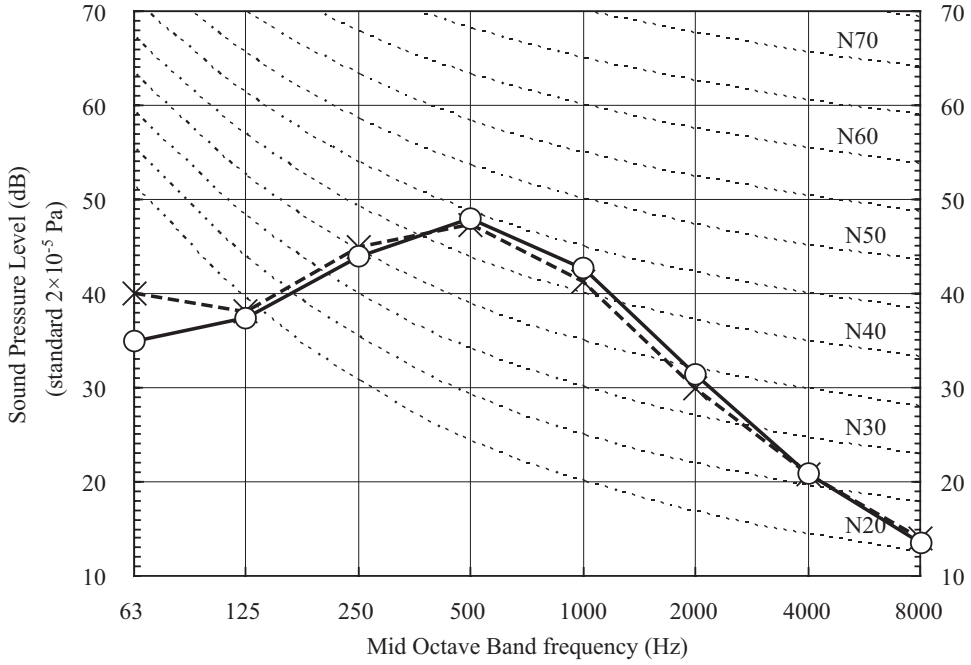
× ····· Cooling, ○ —— Heating



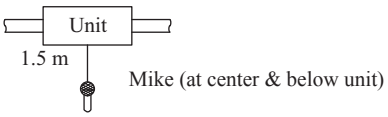
Model	SRK50ZJX-S1	
Noise Level	Cooling	41 dB(A)
	Heating	43 dB(A)

Condition	ISO-T1, JIS C9612

× ····· Cooling, ○ —— Heating



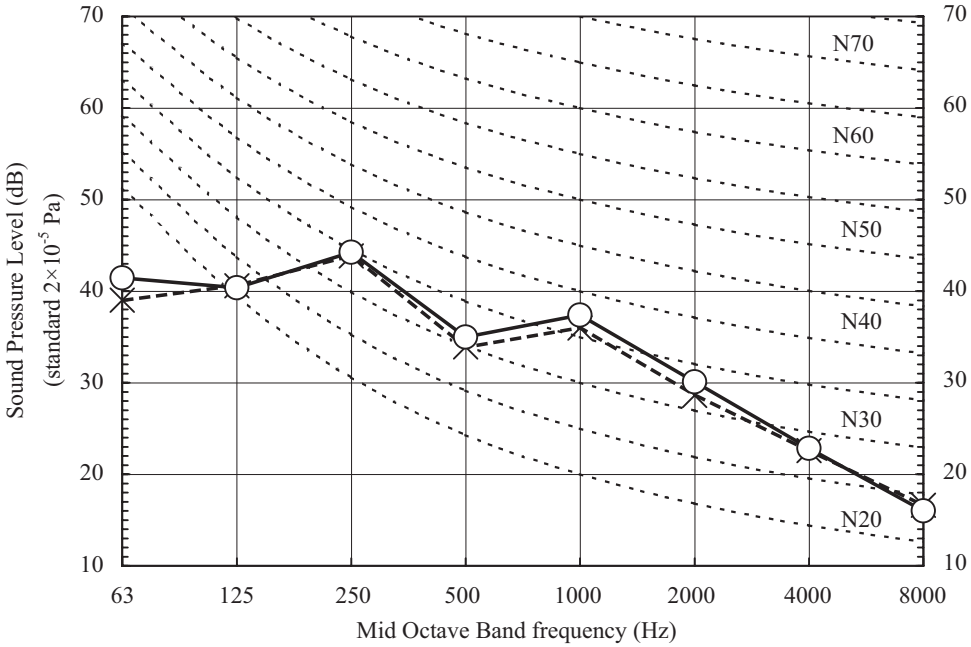
(3) Ceiling concealed type (SRR)



Model	SRR25ZJ-S	
Noise Level	Cooling	40 dB(A)
	Heating	41 dB(A)

Condition	ISO-T1, JIS C9612

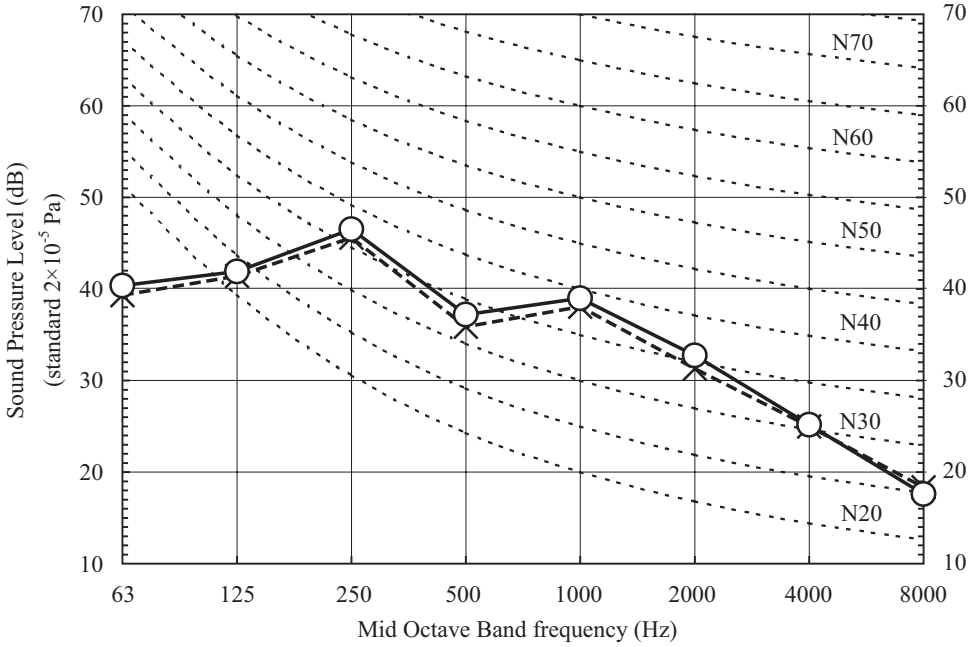
× ····· Cooling, ○ —— Heating



Model	SRR35ZJ-S	
Noise Level	Cooling	42 dB(A)
	Heating	43 dB(A)

Condition	ISO-T1, JIS C9612

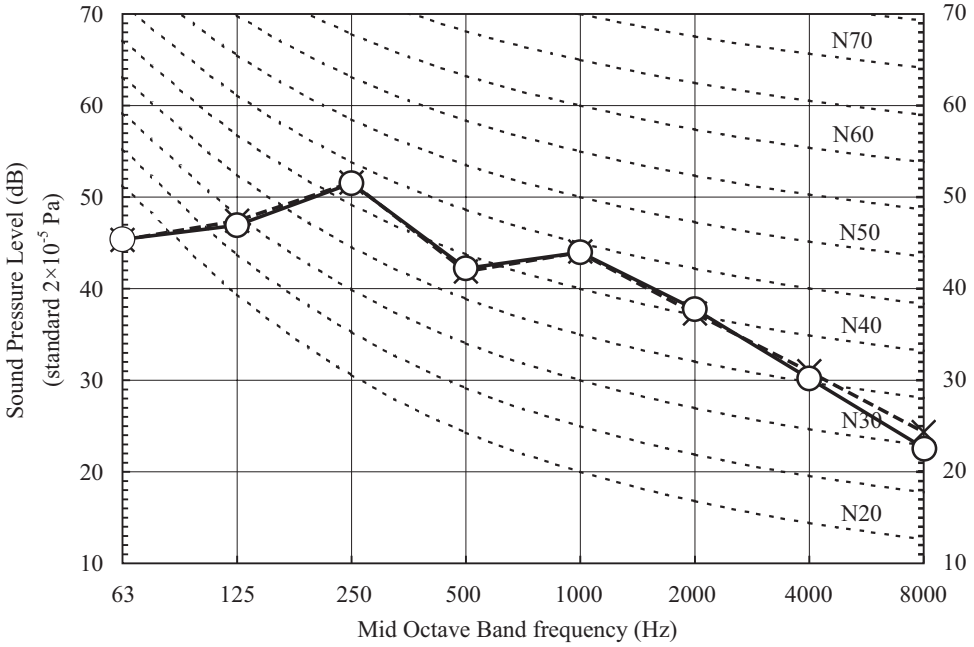
× ····· Cooling, ○ —— Heating



Model	SRR50ZJ-S	
Noise Level	Cooling	48 dB(A)
	Heating	48 dB(A)

Condition	ISO-T1, JIS C9612

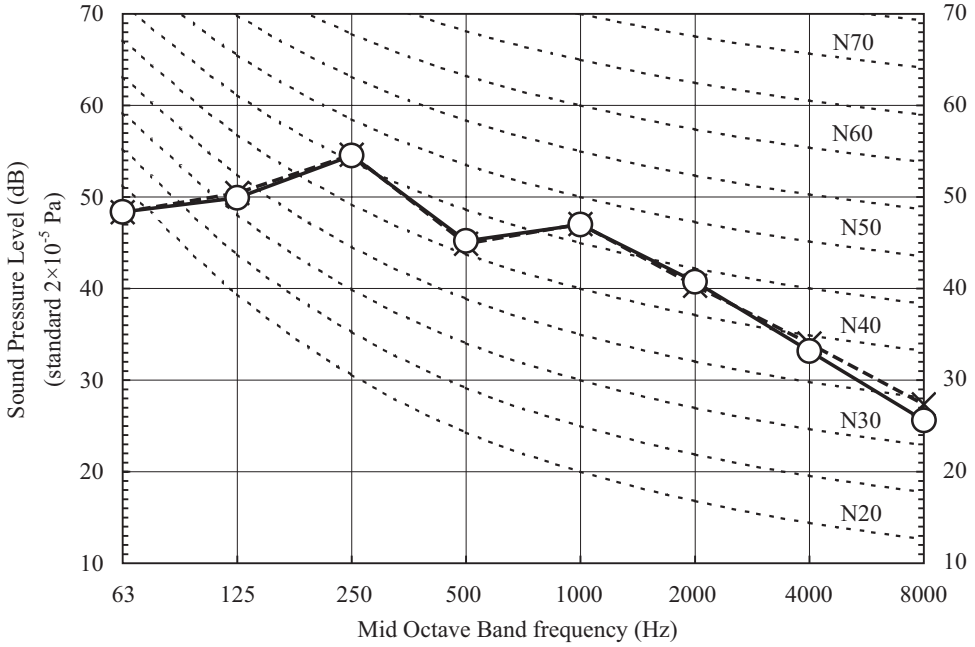
× ····· Cooling, ○ —— Heating



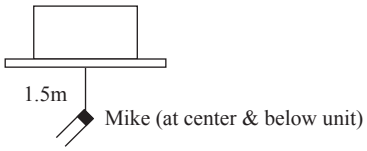
Model	SRR60ZJ-S	
Noise Level	Cooling	51 dB(A)
	Heating	51 dB(A)

Condition	ISO-T1, JIS C9612

× ····· Cooling, ○ —— Heating



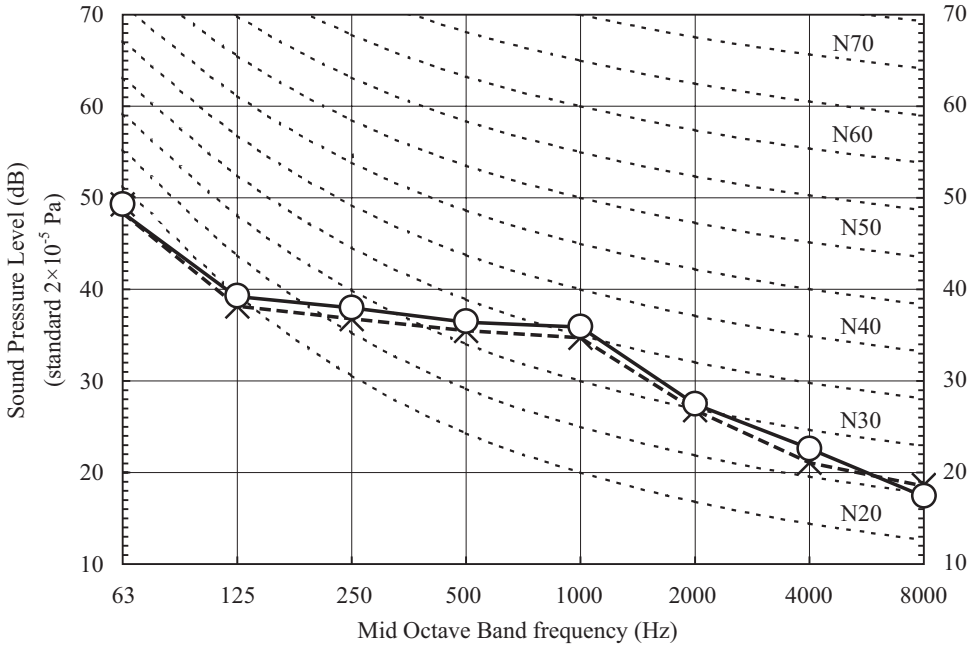
(4) Ceiling cassette-4way compact type (FDTC)



Model	FDTC25VD	
Noise Level	Cooling	38 dB(A)
	Heating	39 dB(A)

Condition	ISO-T1, JIS C9612

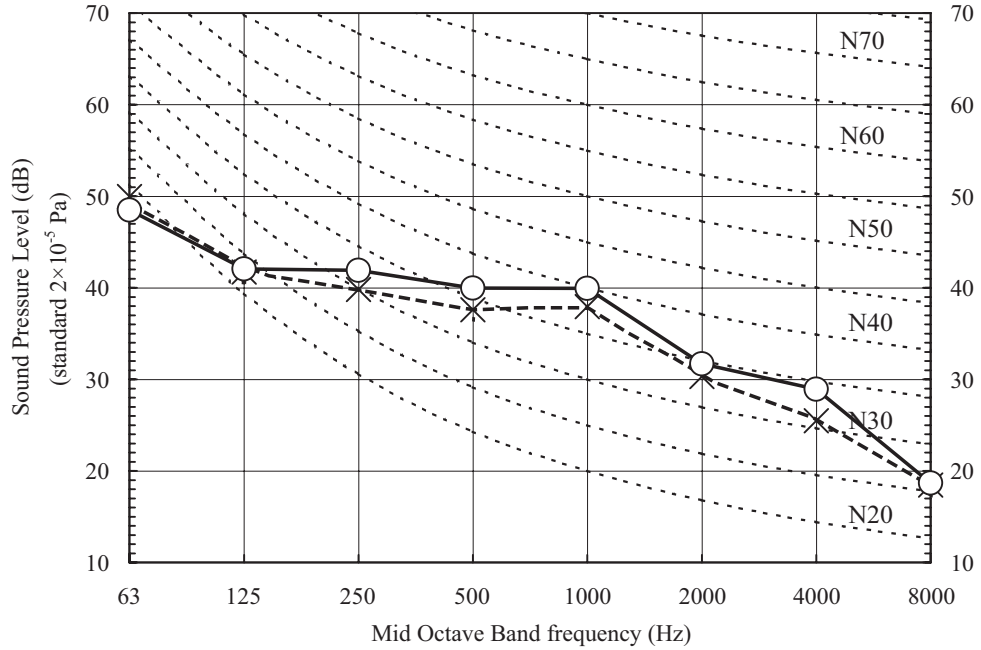
× ····· Cooling, ○ —— Heating



Model	FDTC35VD	
Noise Level	Cooling	41 dB(A)
	Heating	43 dB(A)

Condition	ISO-T1, JIS C9612

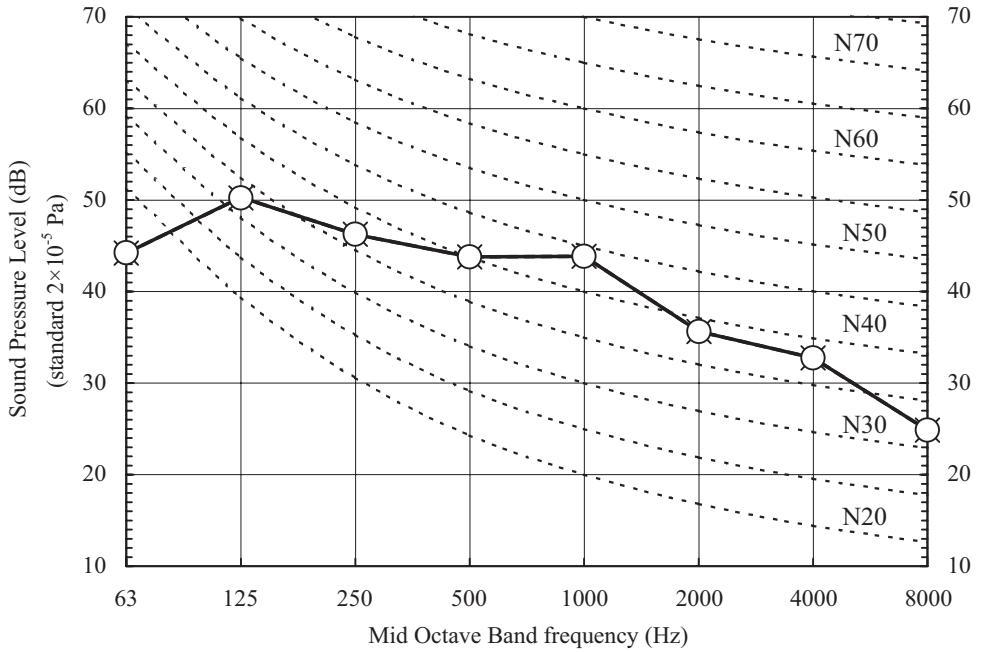
× ····· Cooling, ○ —— Heating



Model	FDTC50VD	
Noise Level	Cooling	47 dB(A)
	Heating	47 dB(A)

Condition	ISO-T1, JIS B8616

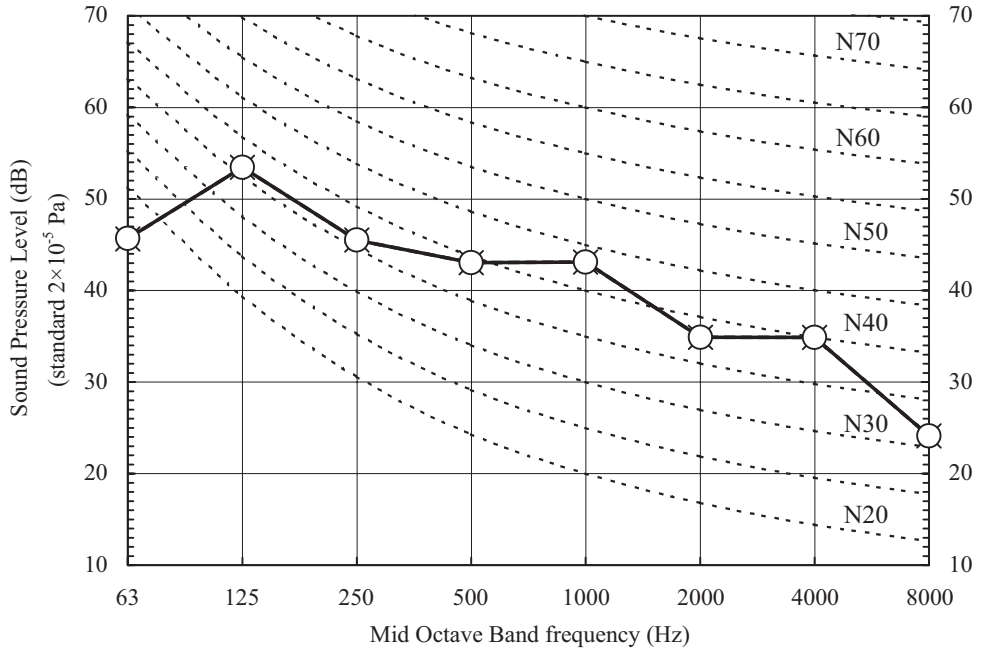
× ····· Cooling, ○ —— Heating



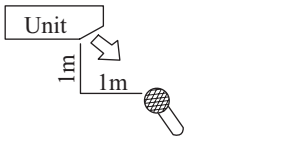
Model	FDTC60VD	
Noise Level	Cooling	47 dB(A)
	Heating	47 dB(A)

Condition	ISO-T1, JIS B8616

× ····· Cooling, ○ —— Heating



(5) Ceiling suspended type (FDEN)

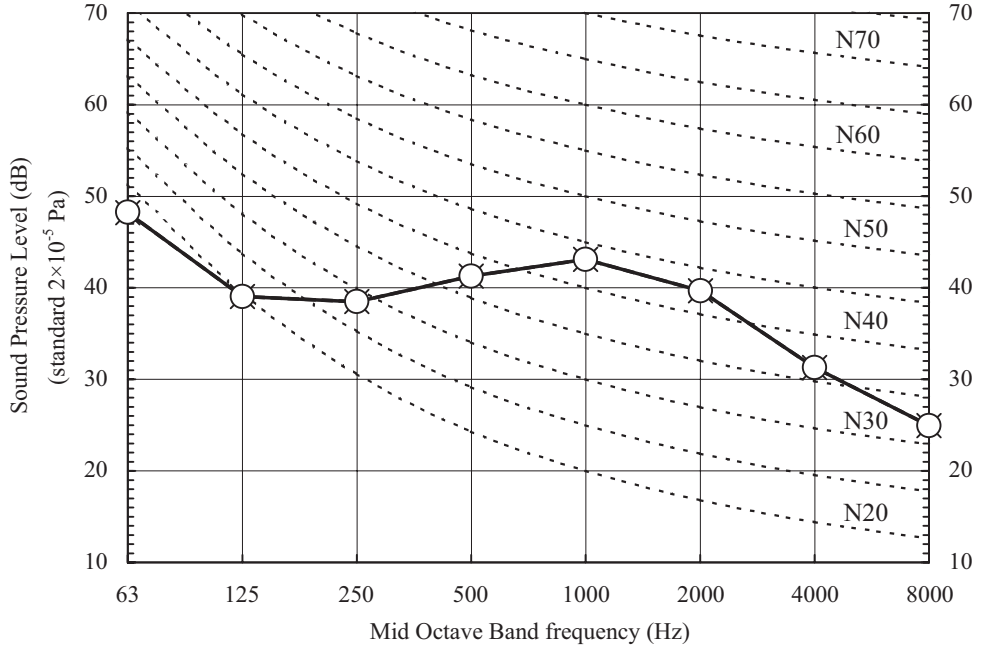


Mike (in front & below unit)

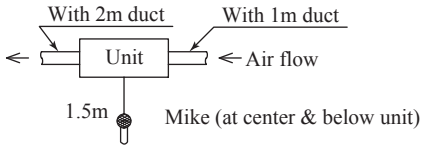
Model	FDEN50VD	
Noise Level	Cooling	46 dB(A)
	Heating	46 dB(A)

Condition	ISO-T1, JIS B8616

× ····· Cooling, ○ —— Heating

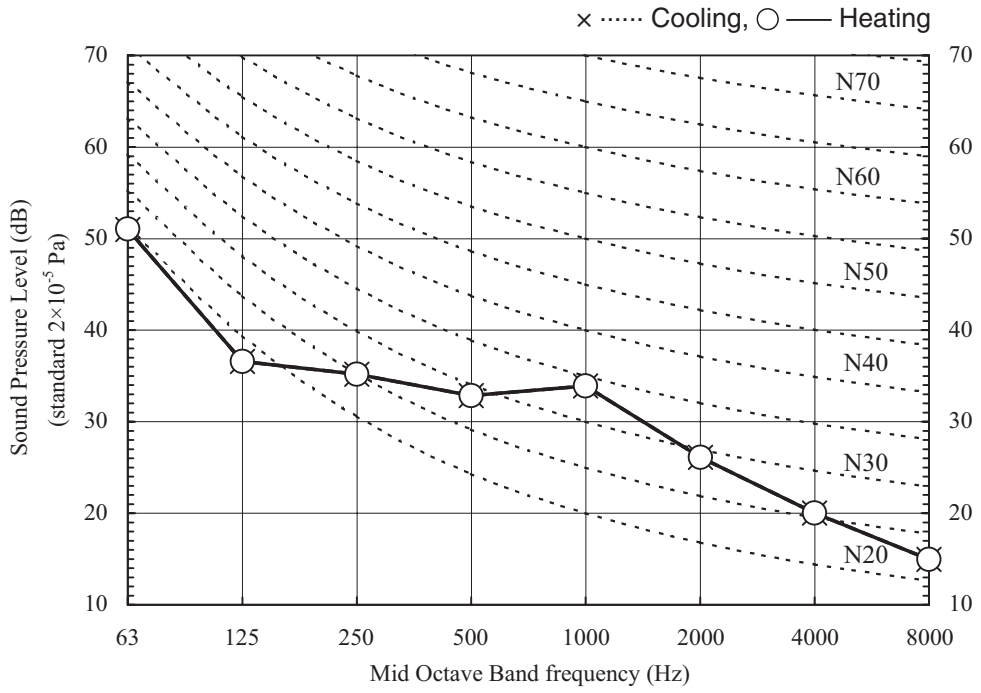


(6) Duct connected Low/Middle static pressure type (FDUM)



Model	FDUM50VF	
Noise Level	Cooling	37 dB(A)
	Heating	37 dB(A)

Condition	ISO-T1, JIS B8616

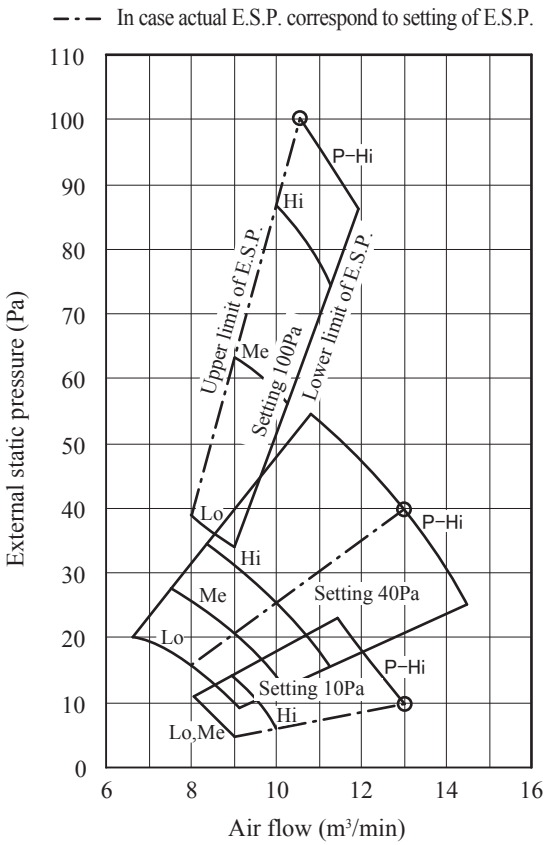


2.5 Characteristics of fan

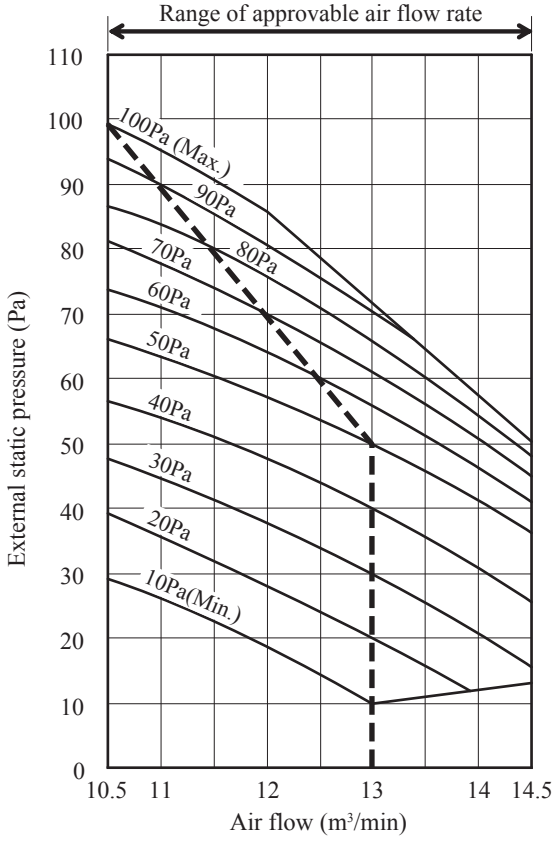
- Characteristic FAN (1) shows air flow vs. External Static Pressure (E.S.P.) range where settings of E.S.P. are maximum E.S.P. (100Pa) , rated E.S.P., and minimum E.S.P. (10Pa)
- Characteristic FAN (2) shows air flow vs. E.S.P curve when set fan tap is set P-Hi with each setting of E.S.P by remote controller.
- External Static Pressure (E.S.P.) can be set by wired remote controller.
- You can set required E.S.P. by wired remote controller which calculate it with the set air flow rate and pressure loss of the duct connected.

Model FDUM50VF

Characteristic FAN(1)



Characteristic FAN(2)



2.6 Installation manuals

RKY012A007B

(1) Wall mounted tyde (SRK)

(a) Models SRK20, 25, 35ZJX-S, 50, 60ZJX-S1

- **This installation manual illustrates the method of installing an indoor unit.**
- **For electrical wiring work, please see instructions set out on the backside.**
- **For outdoor unit installation and refrigerant piping, please refer to page 26 to 41.**
- **A wired remote control unit is supplied separately as an optional part.**
- **When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.**

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION.
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⃠	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **After completed installation, check that no refrigerant leaks from the system.**
  If refrigerant leaks into the room and comes into contact with an oven or other hot surface, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:16A) with a contact separation of at least 3mm.**
- **When plugging this appliance, a plug conforming to the norm IEC60884-1 must be used.**
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulphide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.

⚠ WARNING

- **Do not vent R410A into the atmosphere : R410A is a fluorinated greenhouse gas, covered by the Kyoto Protocol with Groval Warming Potential (GWP)=1975.**
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **Be sure to install indoor unit properly according to the installation manual in order to run off the drainage smoothly.**
  Improper installation of indoor unit can cause dropping water into the room and damaging personal property.
- **Install the drainage pipe to run off drainage securely according to the installation manual.**
  Incorrect installation of the drainage pipe can cause dropping water into the room and damaging personal property.
- **Be sure to install the drainage pipe with descending slope of 1/100 or more, and not to make traps and air-bleedings.**
  Check if the drainage runs off securely during commissioning and ensure the space for inspection and maintenance.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **For installation work, be careful not to get injured with the heat exchanger, piping flare portion or screws etc.**
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation).**
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where vibration can be amplified due to insufficient strength of structure.
  - Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam (in case of the infrared specification unit).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 5m).
  - Locations where drainage cannot run off safely.

  It can affect performance or function and etc.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not use the indoor unit at the place where water splashes may occur such as in laundries.**
  Since the indoor unit is not waterproof, it can cause electric shocks and fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not place any variables which will be damaged by getting wet under the indoor unit.**
  When the relative humidity is higher than 80% or drainage pipe is clogged, condensation or drainage water can drop and it can cause the damage of valuables.
- **Do not install the remote control at the direct sunlight.**
  It can cause malfunction or deformation of the remote control.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
  It can cause the damage of the items.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.

BEFORE INSTALLATION

○ Before installation check that the power supply matches the air conditioner.

Standard accessories (Installation kit) Accessories for indoor unit		Q'ty
①	Installation board (Attached to the rear of the indoor unit)	1
②	Wireless remote control	1
③	Remote control holder	1
④	Tapping screws (for installation board 4dia. by 25mm)	4
⑤	Wood screw (for remote control switch holder 3.5(mm). by 16mm)	2
⑥	Battery [R03(AAA,Micro) 1.5V]	2
⑦	Air-cleaning filters	2
⑧	Filter holders (Attached to the front panel of indoor unit)	2
⑨	Insulation (#486 50 x 100 t3)	1

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extention hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

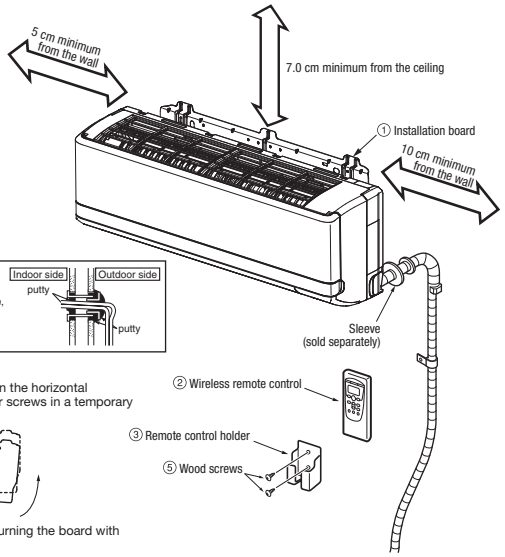
Necessary tools for the installation work	
1	Plus headed driver
2	Knife
3	Saw
4	Tape measure
5	Hammer
6	Spanner wrench
7	Torque wrench (14.0 ~ 61.0N·m (1.4 ~ 6.1kgf·m))
8	Hole core drill (65mm in diameter)
9	Wrench key (Hexagon) [4m/m]
10	Flaring tool set (Designed specifically for R410A)
11	Gas leak detector (Designed specifically for R410A)
12	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)
13	Pipe bender

SELECTION OF INSTALLATION LOCATION

(Install at location that meets the following conditions, after getting approval from the customer)

Indoor unit

○ Where there is no obstructions to the air flow and where the cooled and heated air can be evenly distributed.
○ A solid place where the unit or the wall will not vibrate.
○ A place where there will be enough space for servicing. (Where space mentioned below can be secured)
○ Where wiring and the piping work will be easy to conduct.
○ The place where receiving part is not exposed to the direct rays of the sun or the strong rays of the street lighting.
○ A place where it can be easily drained.
○ A place separated at least 1m away from the television or the radio. (To prevent interference to images and sounds.)
○ Places where this unit is not affected by the high frequency equipment or electric equipment.
○ Avoid installing this unit in place where there is much oil mist.
○ Places where there is no electric equipment or household under the installing unit.



Wireless remote control

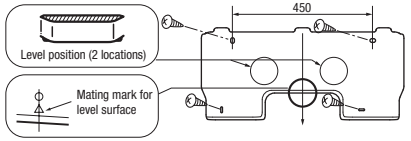
○ A place where the air conditioner can be received the signal surely during operating the wireless remote control.
○ Places where there is no affected by the TV and radio etc.
○ Do not place where exposed to direct sunlight or near heat devices such as a stove.

⚠ CAUTION
Completely seal the hole on the wall with putty. Otherwise, furniture, or other, may be wetted by leaked water or dewing.

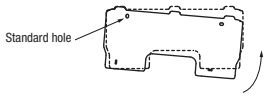
INSTALLATION OF INDOOR UNIT

Installation of Installation board

Look for the inside wall structures (Intersediats support or pillar and finally install the unit after level surface has been checked.)

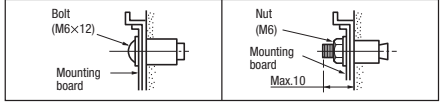


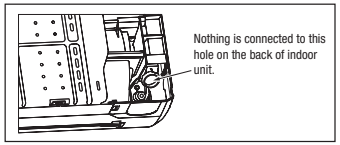
○Adjustment of the installation board in the horizontal direction is to be conducted with four screws in a temporary tightened state.



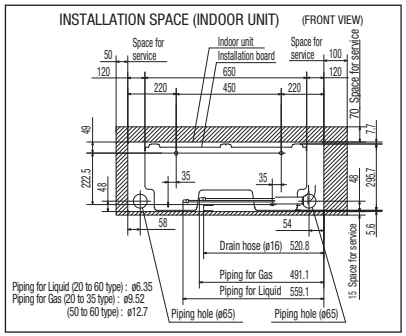
○Adjust so the board will be level by turning the board with the standard hole as the center.

Fixing on concrete wall	
Use of nut anchor	Use of bolt anchor



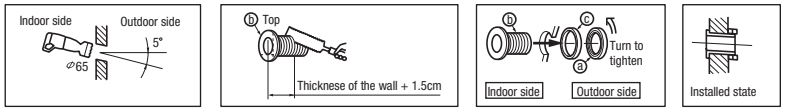


Relation between setting plate and indoor unit



Drilling of holes and fixture of sleeve (Option parts)

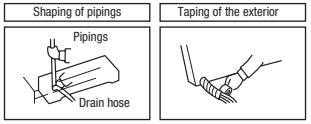
When drilling the wall that contains a metal lath, wire lath or metal plate, be sure to use pipe hole sleeve sold separately.



○ Drill a hole with whole core drill.
○ In case of rear piping draw out, cut off the lower and the right side portions of the sleeve collar.

Installing the support of piping

In case of piping in the right rear direction

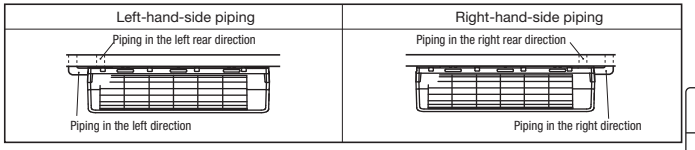


○ Hold the bottom of the piping and fix direction before stretching it and shaping it.
○ Tape only the portion that goes through the wall.
○ Always tape the wiring with the piping.

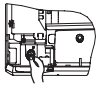
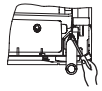
Sufficient care must be taken not to damage the panel when connecting pipes.

● Matters of special notice when piping from left or central/rear of tha unit.

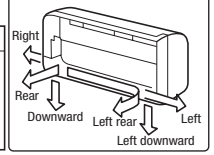
[Top view]



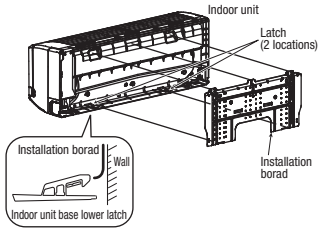
[Drain hose changing procedures]

1. Remove the drain hose.	2. Remove the drain cap.	3. Insert the drain cap.	4. Connect the drain hose.
			
○ Remove the screw and drain hose, making it rotate.	○ Remove it with hand or pilers.	○ Insert the drain cap which was removed at procedure "2" securely using a hexagonal wrench etc. Note: Be careful that If it is not Inserted securely, water leakage may occur.	○ Insert the drain hose securely, making rotate. And install the screw. Note: Be careful that If it is not Inserted securely, water leakage may occur.

Piping is possible in the rear, left, left rear, left downward, right or downward direction.



Fixing of indoor unit



Installation Steps

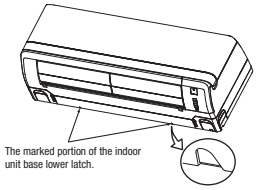
① Pass the pipe through the hole in the wall, and hook the upper part of the indoor unit to the installation board.

② Gently push the lower part to secure the unit.

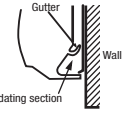
● How to remove the indoor unit from the installation board

① Push up at the marked portion of the indoor unit base lower latch, and slightly pull it toward you. (both right and left hand sides) (The indoor unit base lower latch can be removed from the installation board)

② Push up the indoor unit upward. So the indoor unit will be removed from the installation board.



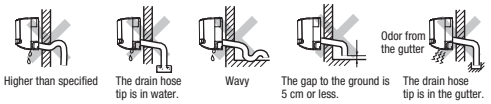
Since this air conditioner has been designed to collect dew drops on the rear surface to the drain pan, do not attach the power cord above the gutter.



Drainage

○ Arrange the drain hose in a downward angle
○ Avoid the following drain piping.

⚠CAUTION Go through all installation steps and check if the drainage is all right. Otherwise water leak may occur.

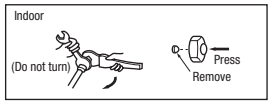


○ Pour water to the drain pan located under the heat exchanger, and ensure that the water is discharged outdoor.
○ When the extended drain hose is indoor, securely insulate it with a heat insulator available in the market.

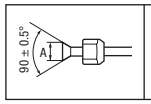
CONNECTION OF REFRIGERANT PIPINGS

Preparation

Keep the openings of the pipes covered with tapes etc. to prevent dust, sand, etc. from entering them.



○ Remove the flared nuts. (on both liquid and gas sides)



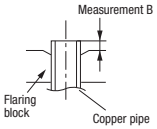
Dimension A
Liquid side ø6.35 : 9.1 (mm)
Gas side ø9.52 : 13.2 (mm)
ø12.7 : 16.6 (mm)

○ Install the removed flared nuts to the pipes to be connected, then flared the pipes.

⚠CAUTION

Do not apply refrigerating machine oil to the flared surface.

● Flaring work



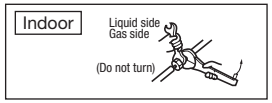
Copper pipe diameter	Measurement B (mm)		
	Clutch type flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ø6.35	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø9.52	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø12.7	0.0 - 0.5	1.0 - 1.5	2.0 - 2.5

Use a flare tool designed for R410A or a conventional flare tool.
Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a coventional flare tool is used, please use a copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

⚠CAUTION

Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may checkdepending.

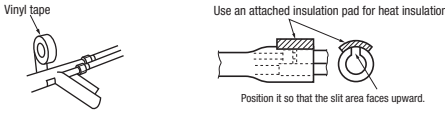
Connection



○ Connect the pipes on both liquid and gas sides.
○ Tighten the nuts to the following torque.
Liquid side (ø6.35) : 14.0 - 18.0 N·m (1.4 - 1.8 kgf·m)
Gas side (ø9.52) : 34.0 - 42.0 N·m (3.4 - 4.2 kgf·m)
(ø12.7) : 49.0 - 61.0 N·m (4.9 - 6.1 kgf·m)

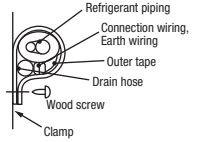
Insulation of the connection portion

Cover the coupling with insulator and then cover it with tapes.



● Cover the indoor unit's flare-connected joints, after they are checked for a gas leak, with an indoor unit heat insulating material and then wrap them with a tape with an attached insulation pad placed over the heat insulating material's slit area.

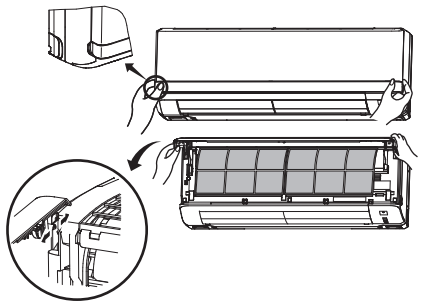
Finishing work and fixing



Cover the exterior portion with outer tape and shape the piping so it will match the contours of the route that the piping to take.
Also fix the wiring and pipings to the wall with clamps.

Open/close and detachment/attachment of the air inlet panel

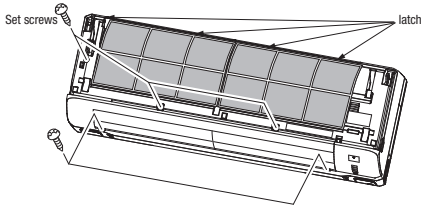
○ To open, pull the panel at both ends of lower part and release latches, then pull up the panel until you feel resistance.
(The panel stops at approx. 60° open position)
○ To close, hold the panel at both ends of lower part to lower downward and push it slightly until the latch works.
○ To remove, pull up the panel to the position shown in right illustration and pull it toward you.
○ To install, insert the panel arm into the slot on the front panel from the position shown in right illustration, hold the panel at both ends of lower part, lower it downward slowly, then push it slightly until the latch warks.



How to remove and fit the front panel

○ Removing
① Remove the air inlet panel.
② Remove the 5 set screws.
③ Remove the 4 latches in the upper section.
④ Move the lower part of the panel forward and push upwards to remove.

○ Fitting
① Do remove the air filter.
② Cover the body with the front panel.
③ Fit the 4 latches in the upper section.
④ Tighten the 5 set screws.
⑤ Fit the air filter.
⑥ Fit the air inlet panel.



ELECTRICAL WIRING WORK

Preparation of indoor unit

Mounting of connecting wires

① Open the air inlet panel.
② Remove the service panel.
③ Remove the wiring clamp
④ Connect the connecting wire securely to the terminal block.
  1) Connect the connection wire securely to the terminal block. If the wire is not affixed completely, contact will be poor, and it is dangerous as the terminal block may heat up and catch fire.
  2) Take care not to confuse the terminal numbers for indoor and outdoor connections.
  3) Fix the connection wire using the wiring clamp.
⑤ Fix the connecting wire by wiring clamp.
⑥ Attach the service panel.
⑦ Close the air inlet panel.

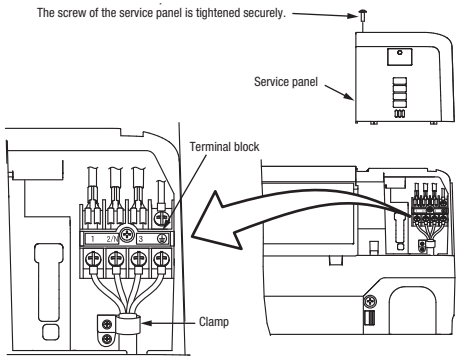
⚠CAUTION

In case of faulty wiring connection, the indoor unit stops, and then the run lamp turns on and the timer lamp blinks.

Use cables for interconnection wiring to avoid loosening of the wires.
CENELEC code for cables Required field cables.

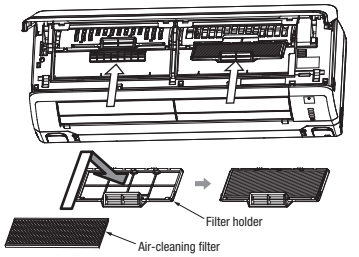
H05RNR4G1.5 (example) or 245IEC57

H	Harmonized cable type
05	300/500 volts
R	Natural-and/or synth, rubber wire insulation
N	Polychloroprene rubber conductors insulation
R	Stranded core
4or5	Number of conductors
G	One conductor of the cable is the earth conductor (yellow/green)
1.5	Section of copper wire (mm²)



Installing the air-cleaning filters

1. Open the air inlet panel and remove the air filters.
2. Install the filter holders, with the air-cleaning filters installed in the holders. In the air conditioner.
   • Each air-cleaning filter can be installed in the left or right filter holder.
3. Install the air filters and close the inlet panel.



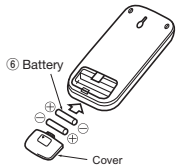
INSTALLATION OF REMOTE CONTROL SWITCH

Mounting method of battery

○Uncover the wireless remote control, and mount the batteries [R03(AAA,Micro),×2 pieces] in the body regularly.
(Fit the poles with the indication marks, ⊕ & ⊖ without fall)

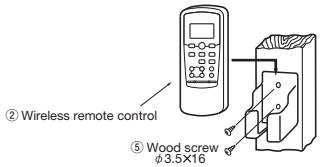
⚠ CAUTION

Do not use new and old batteries together.



Fixing to pillar or wall

○Conventionally, operate the remote control switch by holding in your hand.
○Avoid installing it on a clay wall etc.



INSTALLATION TEST CHECK POINTS

Check the following points again after completion of the installation, and before turning on the power. Conduct a test run again and ensure that the unit operates properly. At the same time, explain to the customer how to use the unit and how to take care of the unit following the user's manual.

After installation

☐ The power supply voltage is correct as the rating.
☐ No gas leaks from the joints of the operational valve.
☐ Power cables and crossover wires are securely fixed to the terminal board.
☐ The screw of the service panel is tightened securely.
☐ Operational valve is fully open.
☐ The pipe joints for indoor and outdoor pipes have been insulated.

Test run

☐ Air conditioning operation is normal.
☐ No abnormal noise.
☐ Water drains smoothly.
☐ Protective functions are not working.
☐ The remote control is normal.
☐ Operation of the unit has been explained to the customer.

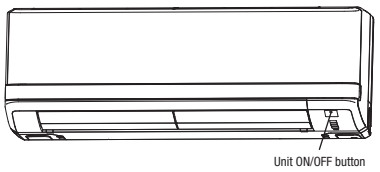
(Three-minutes restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3 minutes.
This is to protect the unit and it is not a malfunction.

HOW TO RELOCATE OR DISPOSE OF THE UNIT

○ In order to protect the environment, be sure to pump down (recovery of refrigerant).
○ Pump down is the method of recovering refrigerant from the indoor unit to the outdoor unit when the pipes are removed from the unit.

<How to pump down:>
① Connect charge hose to service port of outdoor unit.
② Liquid side : Close the liquid valve with hexagon wrench key.
  Gas side : Fully open the gas valve
  Carry out cooling operation . (If indoor temperature is low, operate forced cooling operation.)
③ After low pressure gauge become 0.01MPa, stop cooling operation and close the gas valve.

● Forced cooling operation
Turn on a power supply again after a while after turn off a power supply.
Then press continually the ON/OFF button 5 seconds or more.



CONCERNING TERMINAL CONNECTION FOR AN INTERFACE

① Remove the front panel and lid of control.
② There is a terminal (respectively marked with CNS) for the indoor control board.
  In connecting an interface, connect to the respective terminal securely with the connection harness supplied with an optional "Interface connection kit SC-BIKN-E" and fasten the connection harness onto the indoor control box with the clamp supplied with the kit.
  For more details, please refer to the user's manual of your "Interface connection kit SC-BIKN-E".

(b) Models SRK25ZJR-S, 35ZJR-S

RLA012A012B

SRK20ZJ-S, 25ZJ-S, 35ZJ-S, 50ZJ-S

- **This installation manual illustrates the method of installing an indoor unit.**
- **For electrical wiring work, please see instructions set out on the backside.**
- **For outdoor unit installation and refrigerant piping, please refer to page 26 to 41.**
- **A wired remote control unit is supplied separately as an optional part.**
- **When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.**

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION.
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⃠	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **After completed installation, check that no refrigerant leaks from the system.**
  If refrigerant leaks into the room and comes into contact with an oven or other hot surface, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:16A) with a contact separation of at least 3mm.**
- **When plugging this appliance, a plug conforming to the norm IEC60884-1 must be used.**
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulphide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.

⚠ WARNING

- **Do not vent R410A into the atmosphere : R410A is a fluorinated greenhouse gas, covered by the Kyoto Protocol with Groval Warming Potential (GWP)=1975.**
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **Be sure to install indoor unit properly according to the installation manual in order to run off the drainage smoothly.**
  Improper installation of indoor unit can cause dropping water into the room and damaging personal property.
- **Install the drainage pipe to run off drainage securely according to the installation manual.**
  Incorrect installation of the drainage pipe can cause dropping water into the room and damaging personal property.
- **Be sure to install the drainage pipe with descending slope of 1/100 or more, and not to make traps and air-bleedings.**
  Check if the drainage runs off securely during commissioning and ensure the space for inspection and maintenance.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **For installation work, be careful not to get injured with the heat exchanger, piping flare portion or screws etc.**
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation).**
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where vibration can be amplified due to insufficient strength of structure.
  - Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam (in case of the infrared specification unit).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect performance or function and etc.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not use the indoor unit at the place where water splashes may occur such as in laundries.**
  Since the indoor unit is not waterproof, it can cause electric shocks and fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not place any variables which will be damaged by getting wet under the indoor unit.**
  When the relative humidity is higher than 80% or drainage pipe is clogged, condensation or drainage water can drop and it can cause the damage of valuables.
- **Do not install the remote control at the direct sunlight.**
  It can cause malfunction or deformation of the remote control.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
  It can cause the damage of the items.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.

BEFORE INSTALLATION

○ Before installation check that the power supply matches the air conditioner.

Standard accessories (Installation kit) Accessories for indoor unit		Q'ty
①	Installation board (Attached to the rear of the indoor unit)	1
②	Wireless remote control	1
③	Remote control holder	1
④	Tapping screws (for installation board ø4 X 25mm)	5
⑤	Wood screws (for remote control switch holder ø3.5 X 16mm)	2
⑥	Battery [R03 (AAA, Micro) 1.5V]	2
⑦	Air-cleaning filters	2
⑧	Filter holders (Attached to the front panel of indoor unit)	2
⑨	Insulation (#486 50 x 100 t3)	1

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extension hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

Necessary tools for the installation work	
1	Plus headed driver
2	Knife
3	Saw
4	Tape measure
5	Hammer
6	Spanner wrench
7	Torque wrench (14.0 ~ 61.0N·m (1.4 ~ 6.1kgf·m))
8	Hole core drill (65mm in diameter)
9	Wrench key (Hexagon) [4m/m]
10	Flaring tool set (Designed specifically for R410A)
11	Gas leak detector (Designed specifically for R410A)
12	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)
13	Pipe bender

SELECTION OF INSTALLATION LOCATION

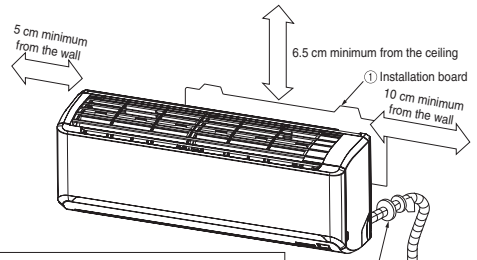
(Install at location that meets the following conditions, after getting approval from the customer)

Indoor unit

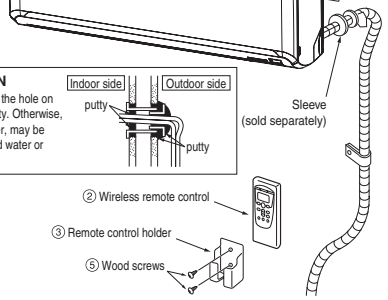
○ Where there is no obstructions to the air flow and where the cooled and heated air can be evenly distributed.
○ A solid place where the unit or the wall will not vibrate.
○ A place where there will be enough space for servicing. (Where space mentioned below can be secured)
○ Where wiring and the piping work will be easy to conduct.
○ The place where receiving part is not exposed to the direct rays of the sun or the strong rays of the street lighting.
○ A place where it can be easily drained.
○ A place separated at least 1m away from the television or the radio. (To prevent interference to images and sounds.)
○ Places where this unit is not affected by the high frequency equipment or electric equipment.
○ Avoid installing this unit in place where there is much oil mist.
○ Places where there is no electric equipment or household under the installing unit.

Wireless remote control

○ A place where the air conditioner can be received the signal surely during operating the wireless remote control.
○ Places where there is no affected by the TV and radio etc.
○ Do not place where exposed to direct sunlight or near heat devices such as a stove.



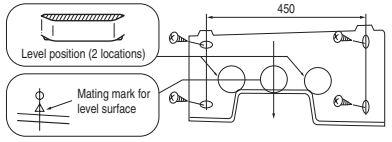
⚠ CAUTION
Completely seal the hole on the wall with putty. Otherwise, furniture, or other, may be wetted by leaked water or dewing.



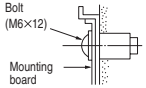
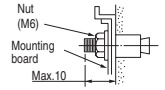
INSTALLATION OF INDOOR UNIT

Installation of Installation board

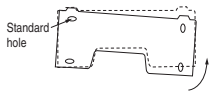
Look for the inside wall structures (Intermediats support or pillar and firmly install the unit after level surface has been checked.)



Fixing on concrete wall

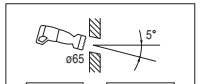
Use of nut anchor	Use of bolt anchor
	

○ Adjustment of the installation board in the horizontal direction is to be conducted with four screws in a temporary tightened state.
○ Adjust so the board will be level by turning the board with the standard hole as the center.

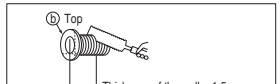


Drilling of holes and fixture of sleeve (Option parts)

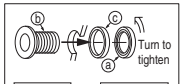
When drilling the wall that contains a metal lath, wire lath or metal plate, be sure to use pipe hole sleeve sold separately.

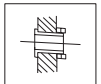


○ Drill a hole with whole core drill.



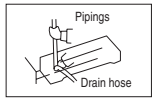
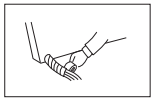
○ In case of rear piping draw out, cut off the lower and the right side portions of the sleeve collar.





Installing the support of piping

In case of piping in the right rear direction

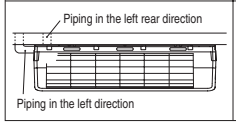
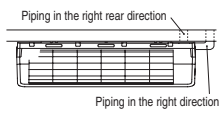
Shaping of pipings	Taping of the exterior
	

○ Hold the bottom of the piping and fix direction before stretching it and shaping it.
○ Tape only the portion that goes through the wall.
○ Always tape the wiring with the piping.

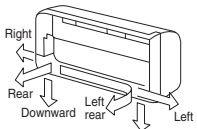
Sufficient care must be taken not to damage the panel when connecting pipes.

• Matters of special notice when piping from left or central/rear of the unit.

[Top view]

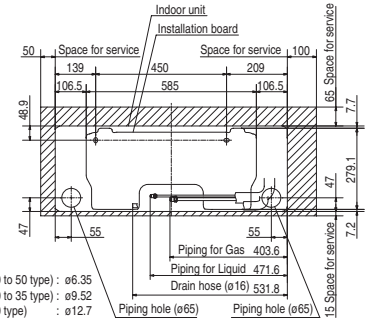
Left-hand-side piping	Right-hand-side piping
	

Piping is possible in the rear, left, left rear, left downward, right or downward direction.

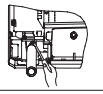
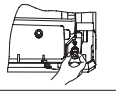
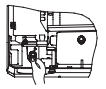
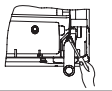


Relation between setting plate and indoor unit

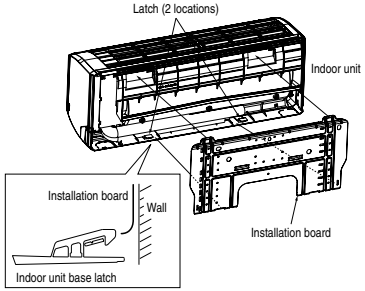
INSTALLATION SPACE (INDOOR UNIT) (FRONT VIEW)



[Drain hose changing procedures]

1. Remove the drain hose	2. Remove the drain cap.
	
○ Remove the screw and drain hose, making it rotate.	○ Remove it with hand or pliers.
3. Insert the drain cap.	**4. Connect the drain hose.**
	
○ Insert the drain cap which was removed at procedure "2" securely using a hexagonal wrench etc. Note: Be careful that If it is not Inserted securely, water leakage may occur.	○ Insert the drain hose securely, making rotate. And install the screw. Note: Be careful that If it is not Inserted securely, water leakage may occur.

Fixing of indoor unit



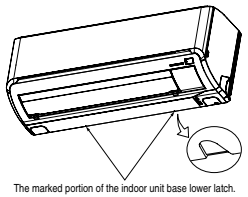
Installation Steps

① Pass the pipe through the hole in the wall, and hook the upper part of the indoor unit to the installation board.

② Gently push the lower part to secure the unit.

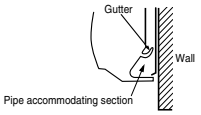
• How to remove the indoor unit from the installation board

① Push up at the marked portion of the indoor unit base lower latch, and slightly pull it toward you. (both right and left hand sides) (The indoor unit base lower latch can be removed from the installation board)
② Push up the indoor unit upward. So the indoor unit will be removed from the installation board.



The marked portion of the indoor unit base lower latch.

Since this air conditioner has been designed to collect dew drops on the rear surface to the drain pan, do not attach the power cord above the gutter.



Drainage

○ Arrange the drain hose in a downward angle.
○ Avoid the following drain piping.

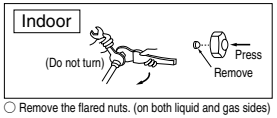
⚠CAUTION Go through all installation steps and check if the drainage is all right. Otherwise water leak may occur.

○ Pour water to the drain pan located under the heat exchanger, and ensure that the water is discharged outdoor.
○ When the extended drain hose is indoor, securely insulate it with a heat insulator available in the market.

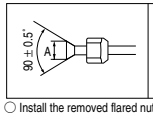
CONNECTION OF REFRIGERANT PIPINGS

Preparation

Keep the openings of the pipes covered with tapes etc. to prevent dust, sand, etc. from entering them.



○ Remove the flared nuts. (on both liquid and gas sides)



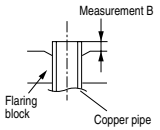
Dimension A
Liquid side ø6.35 : 9.1 (mm)
Gas side ø9.52 : 13.2 (mm)
ø12.7 : 16.6 (mm)

○ Install the removed flared nuts to the pipes to be connected, then flared the pipes.

⚠CAUTION

Do not apply refrigerating machine oil to the flared surface.

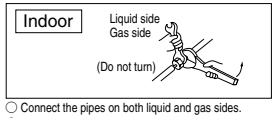
• Flaring work



Copper pipe diameter	Measurement B (mm)		
	Clutch type flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ø6.35	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø9.52	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø12.7	0.0 - 0.5	1.0 - 1.5	2.0 - 2.5

Use a flare tool designed for R410A or a conventional flare tool.
Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a conventional flare tool is used, please use a copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

Connection



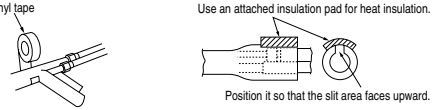
○ Connect the pipes on both liquid and gas sides.
○ Tighten the nuts to the following torque.
Liquid side (ø6.35) : 14.0 - 18.0 N·m (1.4 - 1.8 kgf·m)
Gas side (ø9.52) : 34.0 - 42.0 N·m (3.4 - 4.2 kgf·m)
(ø12.7) : 49.0 - 61.0 N·m (4.9 - 6.1 kgf·m)

⚠CAUTION

Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may check depending.

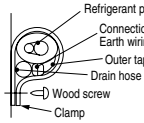
Insulation of the connection portion

Cover the coupling with insulator and then cover it with tapes.



• Cover the indoor unit s flare-connected joints, after they are checked for a gas leak, with an indoor unit heat insulating material and then wrap them with a tape with an attached insulation pad placed over the heat insulating material's slit area.

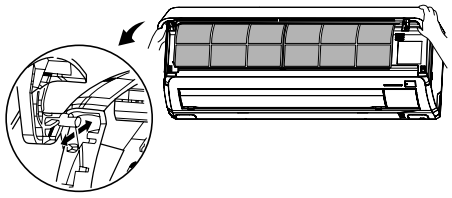
Finishing work and fixing



Cover the exterior portion with outer tape and shape the piping so it will match the contours of the route that the piping to take.
Also fix the wiring and pipings to the wall with clamps.

Open/close and detachment/attachment of the air inlet panel

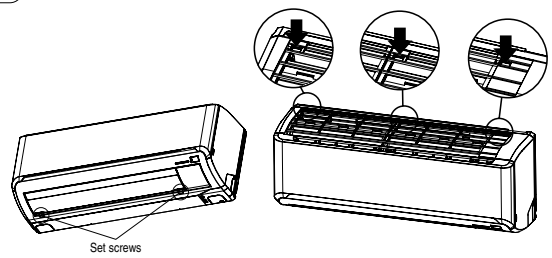
○ To open, pull the panel at both ends of lower part and release latches, then pull up the panel until you feel resistance.
(The panel stops at approx. 60° open position)
○ To close, hold the panel at both ends of lower part to lower downward and push it slightly until the latch works.
○ To remove, pull up the panel to the position shown in right illustration and pull it toward you.
○ To install, insert the panel arm into the slot on the front panel from the position shown in right illustration, hold the panel at both ends of lower part, lower it downward slowly, then push it slightly until the latch works.



How to remove and fit the front panel

○ Removing
① Remove the air inlet panel.
② Remove the 2 set screws.
③ Remove the 3 latches in the upper section.
④ Move the lower part of the panel forward and push upwards to remove.

○ Fitting
① Do remove the air filter.
② Cover the body with the front panel.
③ Fit the 3 latches in the upper section.
④ Tighten the 2 set screws.
⑤ Fit the air filter.
⑥ Fit the air inlet panel.



ELECTRICAL WIRING WORK

Preparation of indoor unit

Mounting of connecting wires

① Remove the lid.
② Remove the terminal cover.
③ Remove the wiring clamp.
④ Connect the connecting wire securely to the terminal block.
  1) Connect the connection wire securely to the terminal block. If the wire is not affixed completely, contact will be poor, and it is dangerous as the terminal block may heat up and catch fire.
  2) Take care not to confuse the terminal numbers for indoor and outdoor connections.
⑤ Fix the connecting wire by wiring clamp.
⑥ Attach the terminal cover.
⑦ Attach the lid.

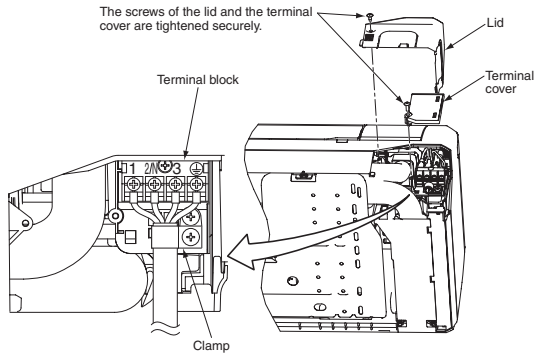
⚠ CAUTION

In case of faulty wiring connection, the indoor unit stops, and then the run lamp turns on and the timer lamp blinks.

Use cables for interconnection wiring to avoid loosening of the wires.
CENELEC code for cables Required field cables.

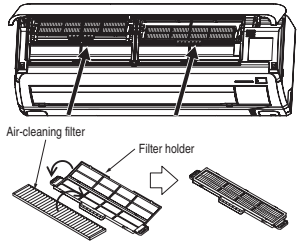
H05RNR4G1.5 (example) or 245IEC57

H	Harmonized cable type
05	300/500 volts
R	Natural-and/or synth, rubber wire insulation
N	Polychloroprene rubber conductors insulation
R	Stranded core
4or5	Number of conductors
G	One conductor of the cable is the earth conductor (yellow/green)
1.5	Section of copper wire (mm²)



Installing the air-cleaning filters

1. Open the air inlet panel and remove the air filters.
2. Install the filter holders, with the air-cleaning filters installed in the holders. In the air conditioner.
   • Each air-cleaning filter can be installed in the left or right filter holder.
3. Install the air filters and close the inlet panel.



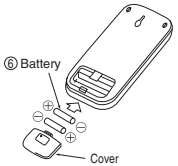
INSTALLATION OF WIRELESS CONTROL

Mounting method of battery

○ Uncover the wireless remote control, and mount the batteries [R03 (AAA, Micro), ×2 pieces] in the body regularly.
(Fit the poles with the indication marks, ⊕ & ⊖ without fail)

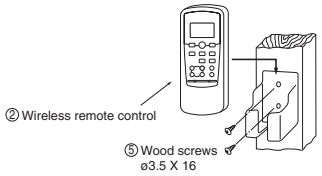
⚠ CAUTION

Do not use new and old batteries together.



Fixing to pillar or wall

○ Conventionally, operate the wireless remote control by holding in your hand.
○ Avoid installing it on a clay wall etc.



INSTALLATION TEST CHECK POINTS

Check the following points again after completion of the installation, and before turning on the power. Conduct a test run again and ensure that the unit operates properly. At the same time, explain to the customer how to use the unit and how to take care of the unit following the user's manual.

After installation

- ☐ The power supply voltage is correct as the rating.
- ☐ No gas leaks from the joints of the operation valve.
- ☐ Power cables and crossover wires are securely fixed to the terminal board.
- ☐ The screws of the lid and the terminal cover are tightened securely.
- ☐ Operation valve is fully open.
- ☐ The pipe joints for indoor and outdoor pipes have been insulated.

Test run

- ☐ Air conditioning operation is normal.
- ☐ No abnormal noise.
- ☐ Water drains smoothly.
- ☐ Protective functions are not working.
- ☐ The remote control is normal.
- ☐ Operation of the unit has been explained to the customer.

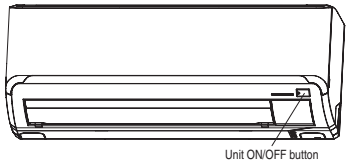
(Three-minutes restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3 minutes.
This is to protect the unit and it is not a malfunction.

HOW TO RELOCATE OR DISPOSE OF THE UNIT

○ In order to protect the environment, be sure to pump down (recovery of refrigerant).
○ Pump down is the method of recovering refrigerant from the indoor unit to the outdoor unit when the pipes are removed from the unit.

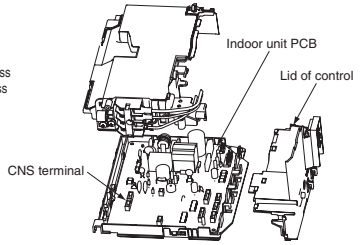
<How to pump down>
① Connect charge hose to check joint of outdoor unit.
② Liquid side : Close the liquid valve with hexagon wrench key.
  Gas side : Fully open the gas valve.
  Carry out cooling operation. (If indoor temperature is low, operate forced cooling operation.)
③ After low pressure gauge become 0.01MPa, stop cooling operation and close the gas valve.

• Forced cooling operation
Turn on a power supply again after a while after turn off a power supply.
Then press continually the ON/OFF button 5 seconds or more.



CONCERNING TERMINAL CONNECTION FOR AN INTERFACE

① Remove the front panel and lid of control.
② Remove the control.
③ There is a terminal (respectively marked with CNS) for the indoor control board.
  In connecting an interface, connect to the respective terminal securely with the connection harness supplied with an optional "Interface connection kit SC-BIKN-E" and fasten the connection harness onto the indoor control box with the clamp supplied with the kit.
  For more details, please refer to the user's manual of your "Interface connection kit SC-BIKN-E".



(c) Model SRK71ZK-S

RKW012A400A

- **This installation manual illustrates the method of installing an indoor unit.**
- **For electrical wiring work, please see instructions set out on the backside.**
- **For outdoor unit installation and refrigerant piping, please refer to page 38.**
- **A wired remote control unit is supplied separately as an optional part.**
- **When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.**

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION.
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⊘	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **After completed installation, check that no refrigerant leaks from the system.**
  If refrigerant leaks into the room and comes into contact with an oven or other hot surface, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:20A) with a contact separation of at least 3mm.**
- **When plugging this appliance, a plug conforming to the norm IEC60884-1 must be used.**
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulphide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.

⚠ WARNING

- **Do not vent R410A into the atmosphere : R410A is a fluorinated greenhouse gas, covered by the Kyoto Protocol with Groval Warming Potential (GWP)=1975.**
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **Be sure to install indoor unit properly according to the installation manual in order to run off the drainage smoothly.**
  Improper installation of indoor unit can cause dropping water into the room and damaging personal property.
- **Install the drainage pipe to run off drainage securely according to the installation manual.**
  Incorrect installation of the drainage pipe can cause dropping water into the room and damaging personal property.
- **Be sure to install the drainage pipe with descending slope of 1/100 or more, and not to make traps and air-bleedings.**
  Check if the drainage runs off securely during commissioning and ensure the space for inspection and maintenance.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **For installation work, be careful not to get injured with the heat exchanger, piping flare portion or screws etc.**
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation).**
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where vibration can be amplified due to insufficient strength of structure.
  - Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam (in case of the infrared specification unit).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect performance or function and etc.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not use the indoor unit at the place where water splashes may occur such as in laundries.**
  Since the indoor unit is not waterproof, it can cause electric shocks and fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not place any variables which will be damaged by getting wet under the indoor unit.**
  When the relative humidity is higher than 80% or drainage pipe is clogged, condensation or drainage water can drop and it can cause the damage of valuables.
- **Do not install the remote control at the direct sunlight.**
  It can cause malfunction or deformation of the remote control.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
  It can cause the damage of the items.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.

BEFORE INSTALLATION

○ Before installation check that the power supply matches the air conditioner.

Standard accessories (Installation kit) Accessories for indoor unit		Q'ty
①	Installation board (Attached to the rear of the indoor unit)	1
②	Wireless remote control	1
③	Remote control holder	1
④	Tapping screws (for installation board ø4 X 25mm)	10
⑤	Wood screws (for remote control switch holder ø3.5 X 16mm)	2
⑥	Battery [R03 (AAA, Micro) 1.5V]	2
⑦	Air-cleaning filters	2
⑧	Filter holders (Attached to the front panel of indoor unit)	2
⑨	Insulation (#486 50 x 100 t3)	1

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extension hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

Necessary tools for the installation work	
1	Plus headed driver
2	Knife
3	Saw
4	Tape measure
5	Hammer
6	Spanner wrench
7	Torque wrench (14.0 ~ 82.0N·m / 1.4 ~ 8.2kgf·m)
8	Hole core drill (65mm in diameter)
9	Wrench key (Hexagon) [4m/m]
10	Flaring tool set (Designed specifically for R410A)
11	Gas leak detector (Designed specifically for R410A)
12	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)
13	Pipe bender

SELECTION OF INSTALLATION LOCATION

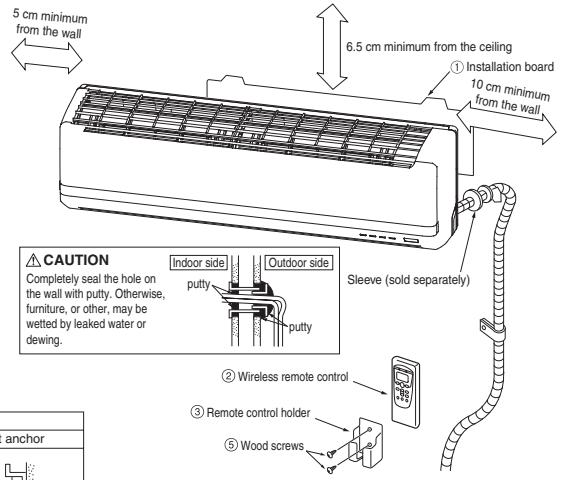
(Install at location that meets the following conditions, after getting approval from the customer)

Indoor unit

○ Where there is no obstructions to the air flow and where the cooled and heated air can be evenly distributed.
○ A solid place where the unit or the wall will not vibrate.
○ A place where there will be enough space for servicing. (Where space mentioned below can be secured)
○ Where wiring and the piping work will be easy to conduct.
○ The place where receiving part is not exposed to the direct rays of the sun or the strong rays of the street lighting.
○ A place where it can be easily drained.
○ A place separated at least 1m away from the television or the radio. (To prevent interference to images and sounds.)
○ Places where this unit is not affected by the high frequency equipment or electric equipment.
○ Avoid installing this unit in place where there is much oil mist.
○ Places where there is no electric equipment or household under the installing unit.

Wireless remote control

○ A place where the air conditioner can be received the signal surely during operating the wireless remote control.
○ Places where there is no affected by the TV and radio etc.
○ Do not place where exposed to direct sunlight or near heat devices such as a stove.

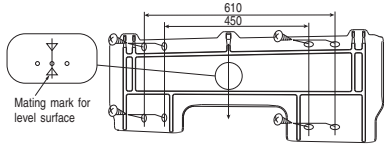


⚠ CAUTION
Completely seal the hole on the wall with putty. Otherwise, furniture, or other, may be wetted by leaked water or dewing.

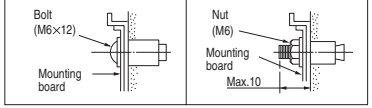
INSTALLATION OF INDOOR UNIT

Installation of Installation board

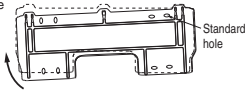
Look for the inside wall structures (Intermediats support or pillar and firmly install the unit after level surface has been checked.)



Fixing on concrete wall	
Use of nut anchor	Use of bolt anchor

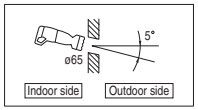


○ Adjustment of the installation board in the horizontal direction is to be conducted with eight screws in a temporary tightened state.
○ Adjust so the board will be level by turning the board with the standard hole as the center.

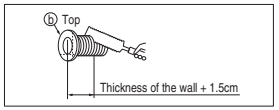


Drilling of holes and fixture of sleeve (Option parts)

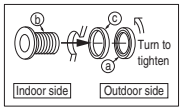
When drilling the wall that contains a metal lath, wire lath or metal plate, be sure to use pipe hole sleeve sold separately.

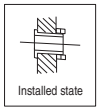


○ Drill a hole with whole core drill.



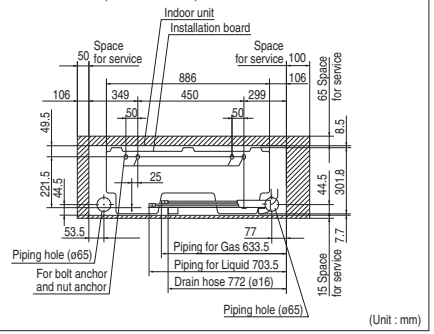
○ In case of rear piping draw out, cut off the lower and the right side portions of the sleeve collar.





Relation between setting plate and indoor unit

INSTALLATION SPACE (INDOOR UNIT) (FRONT VIEW)

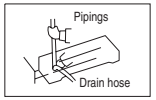


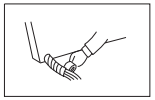
(Unit : mm)

Installing the support of piping

In case of piping in the right rear direction

Shaping of pipings	Taping of the exterior





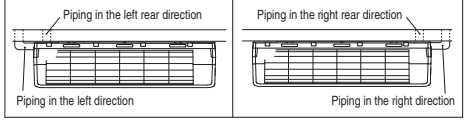
○ Hold the bottom of the piping and fix direction before stretching it and shaping it.
○ Tape only the portion that goes through the wall.
○ Always tape the wiring with the piping.

Sufficient care must be taken not to damage the panel when connecting pipes.

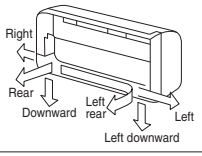
• Matters of special notice when piping from left or central/rear of the unit.

[Top view]

Left-hand-side piping	Right-hand-side piping



Piping is possible in the rear, left, left rear, left downward, right or downward direction.

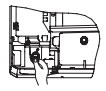


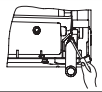
[Drain hose changing procedures]

1. Remove the drain hose	2. Remove the drain cap.

○ Remove the screw and drain hose, making it rotate.
○ Remove it with hand or pliers.

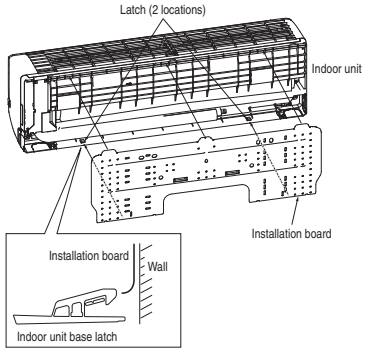
3. Insert the drain cap.	4. Connect the drain hose.





○ Insert the drain cap which was removed at procedure "2" securely using a hexagonal wrench etc.
Note: Be careful that If it is not Inserted securely, water leakage may occur.
○ Insert the drain hose securely, making rotate. And install the screw.
Note: Be careful that If it is not Inserted securely, water leakage may occur.

Fixing of indoor unit



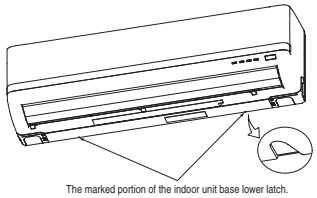
Installation Steps

① Pass the pipe through the hole in the wall, and hook the upper part of the indoor unit to the installation board.

② Gently push the lower part to secure the unit.

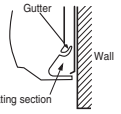
• How to remove the indoor unit from the installation board

① Push up at the marked portion of the indoor unit base lower latch, and slightly pull it toward you. (both right and left hand sides) (The indoor unit base lower latch can be removed from the installation board)
② Push up the indoor unit upward. So the indoor unit will be removed from the installation board.



The marked portion of the indoor unit base lower latch.

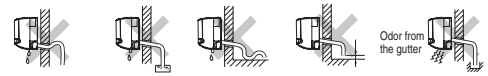
Since this air conditioner has been designed to collect dew drops on the rear surface to the drain pan, do not attach the power cord above the gutter.



Drainage

○ Arrange the drain hose in a downward angle.
○ Avoid the following drain piping.

⚠CAUTION Go through all installation steps and check if the drainage is all right. Otherwise water leak may occur.



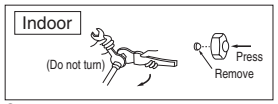
○ Pour water to the drain pan located under the heat exchanger, and ensure that the water is discharged outdoor.
○ When the extended drain hose is indoor, securely insulate it with a heat insulator available in the market.

CONNECTION OF REFRIGERANT PIPINGS

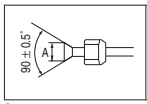
Preparation

Keep the openings of the pipes covered with tapes etc. to prevent dust, sand, etc. from entering them.

Indoor



○ Remove the flared nuts. (on both liquid and gas sides)



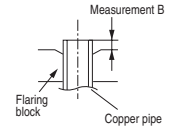
Dimension A
Liquid side ø6.35 : 9.1 (mm)
Gas side ø9.52 : 13.2 (mm)
ø12.7 : 16.6 (mm)
ø15.88 : 19.7 (mm)

○ Install the removed flared nuts to the pipes to be connected, then flared the pipes.

⚠CAUTION

Do not apply refrigerating machine oil to the flared surface.

• Flaring work

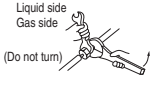


Copper pipe diameter	Measurement B (mm)		
	Clutch type flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ø6.35	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø9.52	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø12.7	0.0 - 0.5	1.0 - 1.5	2.0 - 2.5
ø15.88	0.0 - 0.5	1.0 - 1.5	2.0 - 2.5

Use a flare tool designed for R410A or a conventional flare tool.
Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a conventional flare tool is used, please use a copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

Connection

Indoor



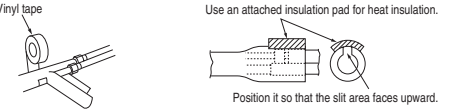
○ Connect the pipes on both liquid and gas sides.
○ Tighten the nuts to the following torque.
Liquid side (ø6.35) : 14.0 - 18.0 N·m (1.4 - 1.8 kgf·m)
Gas side (ø9.52) : 34.0 - 42.0 N·m (3.4 - 4.2 kgf·m)
(ø12.7) : 49.0 - 61.0 N·m (4.9 - 6.1 kgf·m)
(ø15.88) : 68.0 - 82.0 N·m (6.8 - 8.2 kgf·m)

⚠CAUTION

Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may check depending.

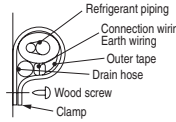
Insulation of the connection portion

Cover the coupling with insulator and then cover it with tapes.



• Cover the indoor unit s flare-connected joints, after they are checked for a gas leak, with an indoor unit heat insulating material and then wrap them with a tape with an attached insulation pad placed over the heat insulating material's slit area.

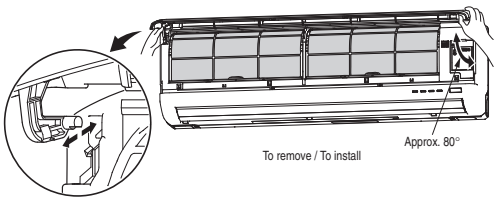
Finishing work and fixing



Cover the exterior portion with outer tape and shape the piping so it will match the contours of the route that the piping to take.
Also fix the wiring and pipings to the wall with clamps.

Open/close and detachment/attachment of the air inlet panel

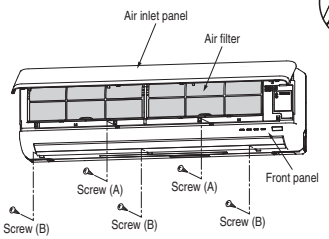
○ To open, pull the panel at both ends of lower part and release latches, then pull up the panel until you feel resistance.
(The panel stops at approx. 60° open position)
○ To close, hold the panel at both ends of lower part to lower downward and push it slightly until the latch works.
○ To remove, pull up the panel to the position shown in right illustration and pull it toward you.
○ To install, insert the panel arm into the slot on the front panel from the position shown in right illustration, hold the panel at both ends of lower part, lower it downward slowly, then push it slightly until the latch works.

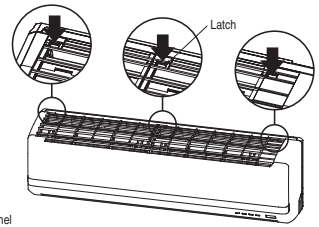


How to remove and install the front panel

○Removing
① Remove the air inlet panel.
② Remove the screw (A) 2pcs / screw (B) 3pcs fixing to the front panel.
③ Remove the 3 latches in the upper section of the front panel and then remove the front panel from the unit.

○Installing
① Remove the air filter.
② Cover the unit with the front panel.
③ Tighten the screw (A) 2pcs / screw (B) 3pcs to fix the front panel.
④ Install the air filter.
⑤ Install the air inlet panel.





ELECTRICAL WIRING WORK

Preparation of indoor unit

Mounting of connecting wires

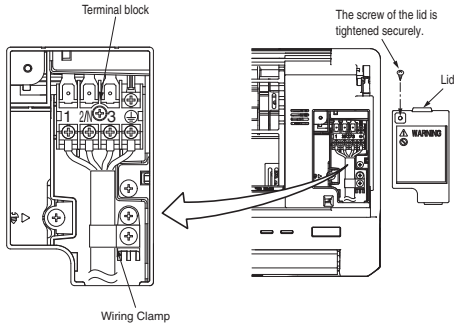
① Open the air inlet panel.
② Remove the lid.
③ Remove the wiring clamp.
④ Connect the connecting wire securely to the terminal block.
  1) Connect the connection wire securely to the terminal block. If the wire is not affixed completely, contact will be poor, and it is dangerous as the terminal block may heat up and catch fire.
  2) Take care not to confuse the terminal numbers for indoor and outdoor connections.
⑤ Fix the connecting wire by wiring clamp.
⑥ Attach the lid.
⑦ Close the air inlet panel.

⚠ CAUTION

In case of faulty wiring connection, the indoor unit stops, and then the run lamp turns on and the timer lamp blinks.

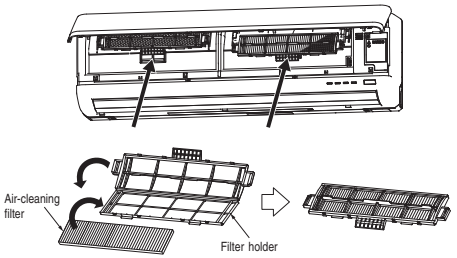
Use cables for interconnection wiring to avoid loosening of the wires.
CENELEC code for cables Required field cables.

H05RNR4G1.5 (example) or 245IEC57
H Harmonized cable type
05 300/500 volts
R Natural-and/or synth, rubber wire insulation
N Polychloroprene rubber conductors insulation
R Stranded core
4or5 Number of conductors
G One conductor of the cable is the earth conductor (yellow/green)
1.5 Section of copper wire (mm²)



Installing the air-cleaning filters

1. Open the air inlet panel and remove the air filters.
2. Install the filter holders, with the air-cleaning filters installed in the holders. In the air conditioner.
   • Each air-cleaning filter can be installed in the left or right filter holder.
3. Install the air filters and close the inlet panel.



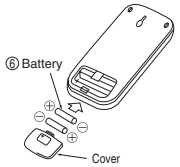
INSTALLATION OF WIRELESS CONTROL

Mounting method of battery

○ Uncover the wireless remote control, and mount the batteries [R03 (AAA, Micro), ×2 pieces] in the body regularly.
(Fit the poles with the indication marks, ⊕ & ⊖ without fail)

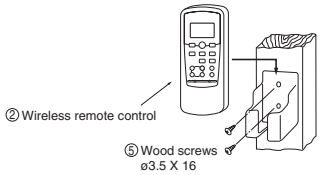
⚠ CAUTION

Do not use new and old batteries together.



Fixing to pillar or wall

○ Conventionally, operate the wireless remote control by holding in your hand.
○ Avoid installing it on a clay wall etc.



INSTALLATION TEST CHECK POINTS

Check the following points again after completion of the installation, and before turning on the power. Conduct a test run again and ensure that the unit operates properly. At the same time, explain to the customer how to use the unit and how to take care of the unit following the user's manual.

After installation

☐ The power supply voltage is correct as the rating.
☐ No gas leaks from the joints of the operation valve.
☐ Power cables and crossover wires are securely fixed to the terminal board.
☐ The screw of the lid is tightened securely.
☐ Operation valve is fully open.
☐ The pipe joints for indoor and outdoor pipes have been insulated.

Test run

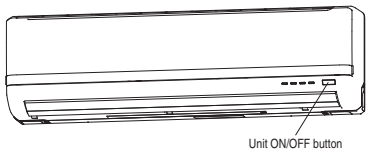
☐ Air conditioning operation is normal.
☐ No abnormal noise.
☐ Water drains smoothly.
☐ Protective functions are not working.
☐ The remote control is normal.
☐ Operation of the unit has been explained to the customer.
(Three-minutes restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3 minutes.
This is to protect the unit and it is not a malfunction.

HOW TO RELOCATE OR DISPOSE OF THE UNIT

○ In order to protect the environment, be sure to pump down (recovery of refrigerant).
○ Pump down is the method of recovering refrigerant from the indoor unit to the outdoor unit when the pipes are removed from the unit.

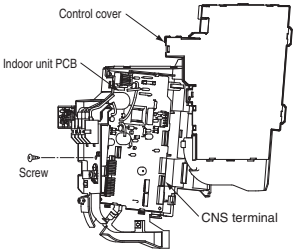
<How to pump down>
① Connect charge hose to check joint of outdoor unit.
② Liquid side : Close the liquid valve with hexagon wrench key.
Gas side : Fully open the gas valve.
Carry out cooling operation. (If indoor temperature is low, operate forced cooling operation.)
③ After low pressure gauge become 0.01MPa, stop cooling operation and close the gas valve.

• Forced cooling operation
Turn on a power supply again after a while after turn off a power supply.
Then press continually the ON/OFF button 5 seconds or more.



CONCERNING TERMINAL CONNECTION FOR AN INTERFACE

① Remove the air inlet panel, lid and front panel.
② Remove the control cover. (Remove the screw.)
③ There is a terminal (respectively marked with CNS) for the indoor control board.
In connecting an interface, connect to the respective terminal securely with the connection harness supplied with an optional "Interface connection kit SC-BIKN-E" and fasten the connection harness onto the indoor control box with the clamp supplied with the kit.
For more details, please refer to the user's manual of your "Interface connection kit SC-BIKN-E".



(2) Floor standing type (SRF)

RFB012A002B

Models SRF25, 35ZJX-S, 50ZJX-S1

- **This installation manual illustrates the method of installing an indoor unit.**
- **For electrical wiring work, please see instructions set out on the backside.**
- **For outdoor unit installation and refrigerant piping, please refer to page 26 to 41.**
- **A wired remote control unit is supplied separately as an optional part.**
- **When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.**

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION.
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after com-pleted installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⃠	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **After completed installation, check that no refrigerant leaks from the system.**
  If refrigerant leaks into the room and comes into contact with an oven or other hot surface, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:16A) with a contact separation of at least 3mm.**
- **When plugging this appliance, a plug conforming to the norm IEC60884-1 must be used.**
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulphide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.

⚠ WARNING

- **Do not vent R410A into the atmosphere : R410A is a fluorinated greenhouse gas, covered by the Kyoto Protocol with Groval Warming Potential (GWP)=1975.**
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **Be sure to install indoor unit properly according to the installation manual in order to run off the drainage smoothly.**
  Improper installation of indoor unit can cause dropping water into the room and damaging personal property.
- **Install the drainage pipe to run off drainage securely according to the installation manual.**
  Incorrect installation of the drainage pipe can cause dropping water into the room and damaging personal property.
- **Be sure to install the drainage pipe with descending slope of 1/100 or more, and not to make traps and air-bleedings.**
  Check if the drainage runs off securely during commissioning and ensure the space for inspection and maintenance.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **For installation work, be careful not to get injured with the heat exchanger, piping flare portion or screws etc.**
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation).**
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where vibration can be amplified due to insufficient strength of structure.
  - Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam (in case of the infrared specification unit).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect performance or function and etc.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not use the indoor unit at the place where water splashes may occur such as in laundries.**
  Since the indoor unit is not waterproof, it can cause electric shocks and fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not place any variables which will be damaged by getting wet under the indoor unit.**
  When the relative humidity is higher than 80% or drainage pipe is clogged, condensation or drainage water can drop and it can cause the damage of valuables.
- **Do not install the remote control at the direct sunlight.**
  It can cause malfunction or deformation of the remote control.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
  It can cause the damage of the items.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.

BEFORE INSTALLATION

○Before installation check that the power supply matches the air conditioner.

Standard accessories (Installation kit) Accessories for indoor unit		Q'ty
①	Installation board (Attached to the rear of the indoor unit)	1
②	Wireless remote control	1
③	Remote control holder	1
④	Tapping screws (for installation board 4dia. by 25mm)	9
⑤	Wood screws (for remote control switch holder 3.5(mm). by 16mm)	2
⑥	Battery [R03(AAA,Micro) 1.5V]	2
⑦	Air-cleaning filters	2
⑧	Filter holders (Attached to the front panel of indoor unit)	2
⑨	Pipe cover (200mm)	1
⑩	Band	2

Option parts		Q'ty
ⓐ	Sealing plate	1
ⓑ	Sleeve	1
ⓒ	Inclination plate	1
ⓓ	Putty	1
ⓔ	Drain hose (extention hose)	1
ⓕ	Piping cover (for insulation of connection piping)	1

Necessary tools for the installation work	
1	Plus headed driver
2	Knife
3	Saw
4	Tape measure
5	Hammer
6	Spanner wrench
7	Torque wrench (14.0 ~ 61.0N·m (1.4 ~ 6.1kgf·m))
8	Hole core drill (65mm in diameter)
9	Wrench key (Hexagon) [4m/m]
10	Flaring tool set (Designed specifically for R410A)
11	Gas leak detector (Designed specifically for R410A)
12	Gauge for projection adjustment (Used when flare is made by using conventional flare tool)
13	Pipe bender

SELECTION OF INSTALLATION LOCATION

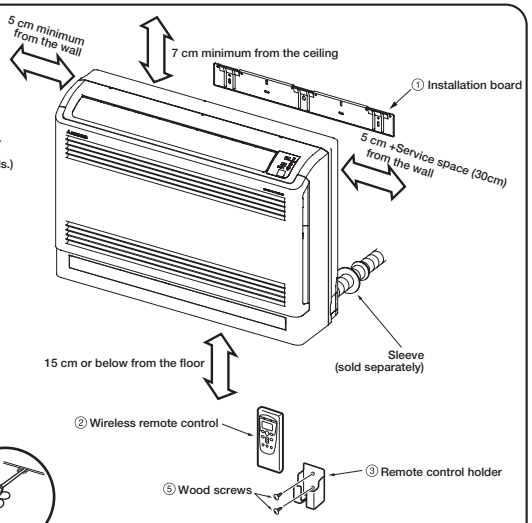
(Install at location that meets the following conditions, after getting approval from the customer)

Indoor unit

○ Where there is no obstructions to the air flow and where the cooled and heated air can be evenly distributed.
○ A solid place where the unit or the wall will not vibrate.
○ A place where there will be enough space for servicing. (Where space mentioned below can be secured)
○ Where wiring and the piping work will be easy to conduct.
○ The place where receiving part is not exposed to the direct rays of the sun or the strong rays of the street lighting.
○ A place where it can be easily drained.
○ A place separated at least 1m away from the television or the radio. (To prevent interference to images and sounds.)
○ Places where this unit is not affected by the high frequency equipment or electric equipment.
○ Avoid installing this unit in place where there is much oil mist.
○ Places where there is no electric equipment or household under the installing unit.
○ Install the indoor unit on flat wall.

Wireless remote control

○ A place where the air conditioner can be received the signal surely during operating the wireless remote control.
○ Places where there is no affected by the TV and radio etc.
○ Do not place where exposed to direct sunlight or near heat devices such as a stove.

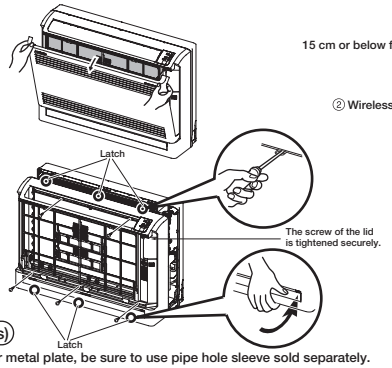


INSTALLATION OF INDOOR UNIT

Open and detachment of the air inlet panel

○ To open, pull the panel at both ends of upper part and release latches, and undo the strings. Then remove the panel.

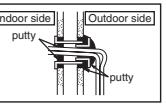
⚠CAUTION
When removing the air-inlet panel, be careful not to drop it on your feet.



How to remove the front panel

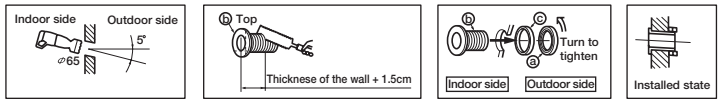
① Remove the air inlet panel.
② Remove the 5 set screws.
③ Remove the 3 latches in the upper section. If the latches are difficult to remove, push the latch portion out using a screw driver, for example.
④ Move the lower part of the panel forward and remove the 6 latches in the under section.

⚠CAUTION
Completely seal the hole on the wall with putty. Otherwise, furniture, or other, may be wetted by leaked water or dewing.



Drilling of holes and fixture of sleeve (Option parts)

When drilling the wall that contains a metal lath, wire lath or metal plate, be sure to use pipe hole sleeve sold separately.



○ Drill a hole with whole core drill.
○ In case of rear piping draw out, cut off the lower and the right side portions of the sleeve collar.

Installing the support of piping

In case of piping in the right rear direction

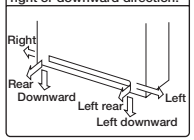
Taping of the exterior

○ Tape only the portion that goes through the wall.
○ Always tape the wiring with the piping.

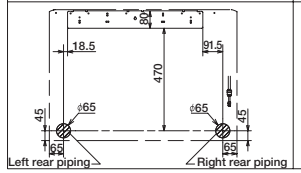
Sufficient care must be taken not to damage the panel when connecting pipes.

Indoor unit piping direction

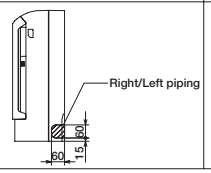
Piping is possible in the rear, left,left rear, left downward, right or downward direction.



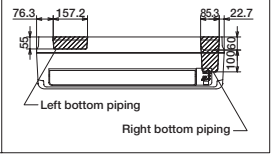
For Right or Left rear piping



For Right or Left piping



For Right or Left bottom piping



⚠CAUTION
Be careful not to stress the connecting refrigerant pipse. (Do not pull with a force of larger than 5 kgf.) If improperly installed, it may cause abnormal noise and vibration.

Drainage

○ Arrange the drain hose in a downward angle
○ Avoid the following drain piping.

⚠CAUTION Go through all installation steps and check if the dralnage is all right. Otherwise water leak may occur.

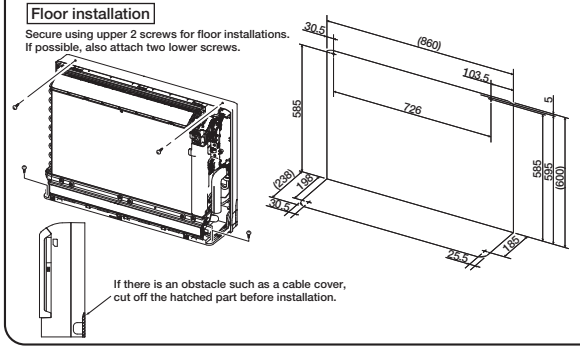
○ Pour water to the drain pan located under the heat exchanger, and ensure that the water is discharged outdoor.
○ When the extended drain hose is indoor, securely insulate it with a heat insulator available in the market.

Fixing of indoor unit

⚠CAUTION · During the installation, do not lean on the control box or the display, as they may be damaged.
· Install the indoor unit on flat wall. If improperly installed, it may cause abnormal noise and vibration. (Distortion on the wall shall be no larger than 3 mm.)

Floor installation

Secure using upper 2 screws for floor installations.
If possible, also attach two lower screws.



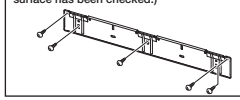
If there is an obstacle such as a cable cover, cut off the hatched part before installation.

Wall installation

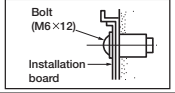
At first secure the installation board using 5 screws and the indoor unit using 2 screws.

Installation of Installation board

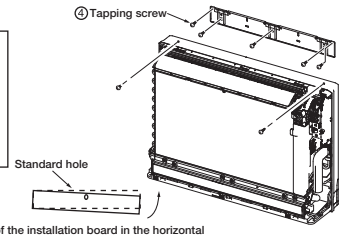
Look for the inside wall structures (Intersediats support or pillar and finally install the unit after level surface has been checked.)



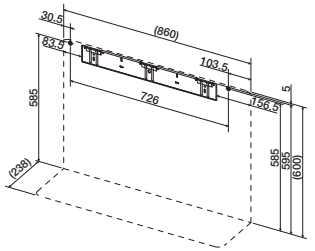
Fixing on concrete wall
Use of nut anchor



④Tapping screw



○Adjustment of the installation board in the horizontal direction is to be conducted with five screws in a temporary tightened state.
○Adjust so the board will be level by turning the board with the standard hole as the center.



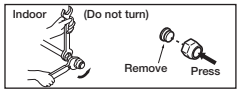
○When practicing the half-console, make sure to fix the unit securely. Otherwise, it could fall.

CONNECTION OF REFRIGERANT PIPINGS

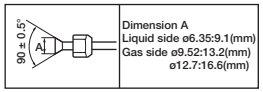
⚠CAUTION Be careful not to stress the connecting refrigerant pipes. (Do not pull with a force of larger than 5 kgf.)

Preparation

Keep the openings of the pipes covered with tapes etc. to prevent dust, sand, etc. from entering them.



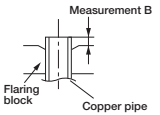
○ Remove the flared nuts. (on both liquid and gas sides)



○ Install the removed flared nuts to the pipes to be connected,then flared the pipes.

⚠CAUTION
Do not apply refrigerating machine oil to the flared surface.

● Flaring work

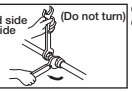


Copper pipe diameter	Measurement B (mm)		
	Clutch type flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ø6.35	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø9.52	0.0 - 0.5	1.0 - 1.5	1.5 - 2.0
ø12.7	0.0 - 0.5	1.0 - 1.5	2.0 - 2.5

Use a flare tool designed for R410A or a conventional flare tool.
Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use.
If a coventional flare tool is used, please use a copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

Connection

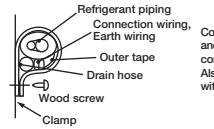
Indoor Liquid side Gas side (Do not turn)



○ Connect the pipes on both liquid and gas sides.
○ Tighten the nuts to the following torque.
Liquid side (ø6.35) : 14.0 - 18.0 N·m (1.4 - 1.8 kgf·m)
Gas side (ø9.52) : 34.0 - 42.0 N·m (3.4 - 4.2 kgf·m)
(ø12.7) : 49.0 - 61.0 N·m (4.9 - 6.1 kgf·m)

⚠CAUTION
Do not apply excess torque to the flared nuts. Otherwise, the flared nuts may check depending.

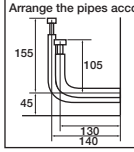
Finishing work and fixing



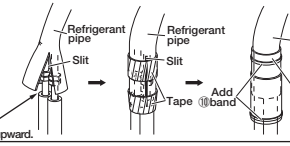
Cover the exterior portion with outer tape and shape the piping so it will match the contours of the route that the piping to take. Also fix the wiring and pipings to the wall with clamps.

Insulation of the connection portion

Pass the refrigerant pipe through the piping hole to indoor side.
Arrange the pipes according to the direction of piping.



Cover the coupling with insulator and then cover it with tapes.
Use an attached ⑨pipe cover for heat insulation.



Position it so that the slit area faces upward.

⚠CAUTION
If heat insulation is insufficient, water leakage may occur. In addition, the room temperature sensor may give a false alert due to heat radiation from the pipes.

● Cover the indoor unit's flare-connected joints, after they are checked for a gas leak, with an indoor unit heat insulating material and then wrap them with a tape with an attached ⑨ pipe cover placed over the heat insulating material's slit area.

ELECTRICAL WIRING WORK

Preparation of indoor unit

Mounting of connecting wires

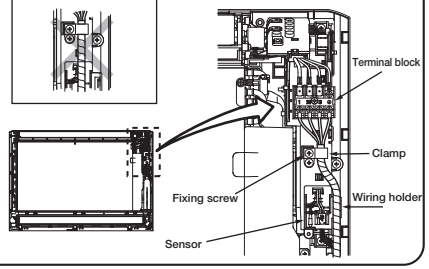
① Remove the fixing screw of clamp.
② Connect the connecting wire securely to the terminal block.
1) Connect the connection wire securely to the terminal block. If the wire is not affixed completely, contact will be poor, and it is dangerous as the terminal block may heat up and catch fire.
2) Take care not to confuse the terminal numbers for indoor and outdoor connections.
③ Fix the connecting wire by wiring clamp.
④ Pass the connecting wire through the wiring holder.

⚠CAUTION
In case of faulty wiring connection, the indoor unit stops, and then the run lamp turns on and the timer lamp blinks.

Use cables for interconnection wiring to avoid loosening of the wires.
CENELEC code for cables Required field cables.

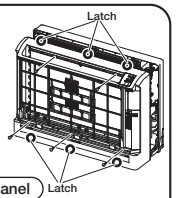
H05RNR4G1.5 (example) or 245IEC57
H Harmonized cable type
05 300/500 volts
R Natural-and/or synth, rubber wire insulation
N Polychloroprene rubber conductors insulation
R Stranded core
4or5 Number of conductors
G One conductor of the cable is the earth conductor (yellow/green)
1.5 Section of copper wire (mm²)

⚠CAUTION
● During installation, do not lean on the control box or the display, as they may be damaged.
● Pass the connecting wire securely through the wiring holder. If it passes on the sensor, it may not detect suction temperature and/or humidity.



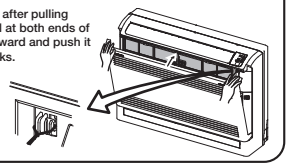
How to fit the front panel

○ Fitting
① Do remove the air filter.
② Cover the body with the front panel.
③ Fit the 6 latches in the lower section. then 3 latches in the upper section.
④ Tighten the 5 set screws.
⑤ Fit the air filter.
⑥ Fit the air inlet panel.



Close and attachment of the air inler panel

○ To close, attach the panel after pulling the strings, hold the panel at both ends of upper part to lower downward and push it slightly until the latch works.

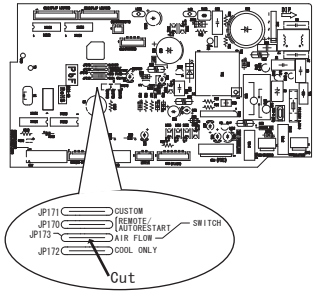


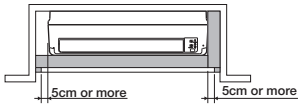
Concealed installation

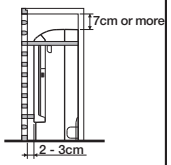
Install the indoor unit according to the following instructions.

① Secure the upper, right, and left spaces according to the right figure.
② Do not let the horizontal bar obstruct wind from blowing out upward/downward or reception from the remote controller.
③ The lattice size should be 70 % or greater of the open rate.
④ Cut the jumper cable (JP173) on the indoor circuit board to control the blow-out angle.

⚠CAUTION
Incorrect installation may cause problems such as non-cooling, non-warming, and condensation water leaking into the room.

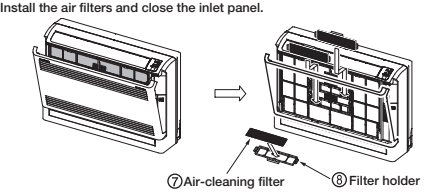






Installing the air-cleaning filters

1. Open the air inlet panel and remove the air filters.
2. Install the filter holders, with the air-cleaning filters installed in the holders. In the air conditioner.
   • Each air-cleaning filter can be installed in the upper or lower filter holder.
3. Install the air filters and close the inlet panel.



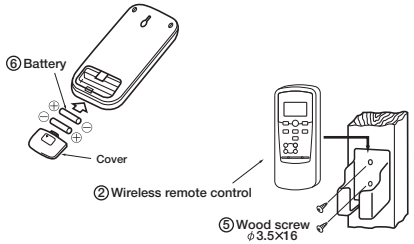
⚠CAUTION
When installing an air-cleaning filter in the indoor unit, be careful not to injure your hand with the heat exchanger.

INSTALLATION OF REMOTE CONTROL

Mounting method of battery

○Uncover the wireless remote control, and mount the batteries [R03(AAA,Micro),×2 pieces] in the body regularly.
(Fit the poles with the indication marks, ⊕ & ⊖ without fall)

⚠CAUTION
Do not use new and old batteries together.



Fixing to pillar or wall

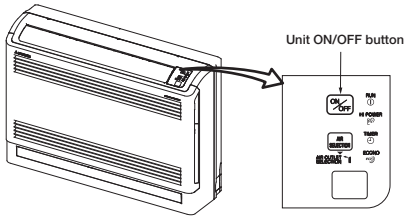
○Conventionally, operate the remote control switch by holding in your hand.
○Avoid installing it on a clay wall etc.

HOW TO RELOCATE OR DISPOSE OF THE UNIT

○ In order to protect the environment, be sure to pump down (recovery of refrigerant).
○ Pump down is the method of recovering refrigerant from the indoor unit to the outdoor unit when the pipes are removed from the unit.

<How to pump down>
① Connect charge hose to service port of outdoor unit.
② Liquid side : Close the liquid valve with hexagon wrench key.
Gas side : Fully open the gas valve
Carry out cooling operation . (If indoor temperature is low, operate forced cooling operation.)
③ After low pressure gauge become 0.01MPa, stop cooling operation and close the gas valve.

● Forced cooling operation
Turn on a power supply again after a while after turn off a power supply. Then press continually the ON/OFF button 5 seconds or more.



INSTALLATION TEST CHECK POINTS

Check the following points again after completion of the installation, and before turning on the power. Conduct a test run again and ensure that the unit operates properly.
At the same time, explain to the customer how to use the unit and how to take care of the unit following the user's manual.

After installation
- ☐ The power supply voltage is correct as the rating.
- ☐ No gas leaks from the joints of the operational valve.
- ☐ Power cables and crossover wires are securely fixed to the terminal board.
- ☐ Operational valve is fully open.
- ☐ The pipe joints for indoor and outdoor pipes have been insulated.
- ☐ The screw of the lid is tightened securely.

Test run
- ☐ Air conditioning operation is normal.
- ☐ No abnormal noise.
- ☐ Water drains smoothly.
- ☐ Protective functions are not working.
- ☐ The remote control is normal.
- ☐ Operation of the unit has been explained to the customer.

(Three-minutes restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3 minutes.
This is to protect the unit and it is not a malfunction.

CONCERNING TERMINAL CONNECTION FOR AN INTERFACE

① Remove the front panel and lid of control.
② There is a terminal (respectively marked with CNS) for the indoor control board.
In connecting an interface, connect to the respective terminal securely with the connection harness supplied with an optional “Interface connection kit SC-BIKN-E” and fasten the connection harness onto the indoor control box with the clamp supplied with the kit.
For more details, please refer to the user's manual of your “Interface connection kit SC-BIKN-E”.

(3) Ceiling concealod type (SRR)

Models SRR25, 35, 50, 60ZJ-S

RJD012A201B

- **This installation manual illustrates the method of installing an indoor unit.**
- **For electrical wiring work, please see instructions set out on the backside.**
- **For outdoor unit installation and refrigerant piping, please refer to page 26 to 41.**
- **A wired remote control unit is supplied separately as an optional part.**
- **When install the unit, be sure to check whether the selection of installation place, power supply specifications, usage limitation (piping length, height differences between indoor and outdoor units, power supply voltage and etc.) and installation spaces.**

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION.
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- Be sure to confirm no anomaly on the equipment by commissioning after completed installation and explain the operating methods as well as the maintenance methods of this equipment to the user according to the owner's manual.
- Keep the installation manual together with owner's manual at a place where any user can read at any time. Moreover if necessary, ask to hand them to a new user.
- For installing qualified personnel, take precautions in respect to themselves by using suitable protective clothing, groves, etc., and then perform the installation works.
- Please pay attention not to fall down the tools, etc. when installing the unit at the high position.
- If unusual noise can be heard during operation, consult the dealer.
- The meanings of "Marks" used here are shown as follows:

⃠	Never do it under any circumstances.	❗ ⏚	Always do it according to the instruction.

⚠ WARNING

- **Installation must be carried out by the qualified installer.**
  If you install the system by yourself, it may cause serious trouble such as water leaks, electric shocks, fire and personal injury, as a result of a system malfunction. Do not carry out the installation and maintenance work except the by qualified installer.
- **Install the system in full accordance with the installation manual.**
  Incorrect installation may cause bursts, personal injury, water leaks, electric shocks and fire.
- **Be sure to use only for household and residence.**
  If this appliance is installed in inferior environment such as machine shop and etc., it can cause malfunction.
- **Use the original accessories and the specified components for installation.**
  If parts other than those prescribed by us are used, It may cause water leaks, electric shocks, fire and personal injury.
- **Install the unit in a location with good support.**
  Unsuitable installation locations can cause the unit to fall and cause material damage and personal injury.
- **Ventilate the working area well in the event of refrigerant leakage during installation.**
  If the refrigerant comes into contact with naked flames, poisonous gas is produced.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accident.
- **After completed installation, check that no refrigerant leaks from the system.**
  If refrigerant leaks into the room and comes into contact with an oven or other hot surface, poisonous gas is produced.
- **Use the prescribed pipes, flare nuts and tools for R410A.**
  Using existing parts (for R22 or R407C) can cause the unit failure and serious accidents due to burst of the refrigerant circuit.
- **Tighten the flare nut by torque wrench with specified method.**
  If the flare nut were tightened with excess torque, this may cause burst and refrigerant leakage after a long period.
- **The electrical installation must be carried out by the qualified electrician in accordance with "the norm for electrical work" and "national wiring regulation", and the system must be connected to the dedicated circuit.**
  Power supply with insufficient capacity and incorrect function done by improper work can cause electric shocks and fire.
- **Be sure to shut off the power before starting electrical work.**
  Failure to shut off the power can cause electric shocks, unit failure or incorrect function of equipment.
- **Be sure to use the cables conformed to safety standard and cable ampacity for power distribution work.**
  Unconformable cables can cause electric leak, anomalous heat production or fire.
- **This appliance must be connected to main power supply by means of a circuit breaker or switch (fuse:16A) with a contact separation of at least 3mm.**
- **When plugging this appliance, a plug conforming to the norm IEC60884-1 must be used.**
- **Use the prescribed cables for electrical connection, tighten the cables securely in terminal block and relieve the cables correctly to prevent overloading the terminal blocks.**
  Loose connections or cable mountings can cause anomalous heat production or fire.
- **Arrange the wiring in the control box so that it cannot be pushed up further into the box. Install the service panel correctly.**
  Incorrect installation may result in overheating and fire.
- **Be sure to switch off the power supply in the event of installation, inspection or servicing.**
  If the power supply is not shut off, there is a risk of electric shocks, unit failure or personal injury due to the unexpected start of fan.
- **Be sure to wear protective goggles and gloves while at work.**
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.

- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulphide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Ensure that no air enters in the refrigerant circuit when the unit is installed and removed.**
  If air enters in the refrigerant circuit, the pressure in the refrigerant circuit becomes too high, which can cause burst and personal injury.
- **Do not processing, splice the power cord, or share a socket with other power plugs.**
  This may cause fire or electric shock due to defecting contact, defecting insulation and over-current etc.
- **Do not bundling, winding or processing for the power cord. Or, do not deforming the power plug due to tread it.**
  This may cause fire or heating.

⚠ WARNING

- **Do not vent R410A into the atmosphere : R410A is a fluorinated greenhouse gas, covered by the Kyoto Protocol with Groval Warming Potential (GWP)=1975.**
- **Do not run the unit with removed panels or protections.**
  Touching rotating equipments, hot surfaces or high voltage parts can cause personal injury due to entrapment, burn or electric shocks.
- **Do not perform any change of protective device itself or its setup condition.**
  The forced operation by short-circuiting protective device of pressure switch and temperature controller or the use of non specified component can cause fire or burst.

⚠ CAUTION

- **Carry out the electrical work for ground lead with care.**
  Do not connect the ground lead to the gas line, water line, lightning conductor or telephone line's ground lead. Incorrect grounding can cause unit faults such as electric shocks due to short-circuiting.

- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
- **Install isolator or disconnect switch on the power supply wiring in accordance with the local codes and regulations.**
  The isolator should be locked in OFF state in accordance with EN60204-1.
- **Be sure to install indoor unit properly according to the installation manual in order to run off the drainage smoothly.**
  Improper installation of indoor unit can cause dropping water into the room and damaging personal property.
- **Install the drainage pipe to run off drainage securely according to the installation manual.**
  Incorrect installation of the drainage pipe can cause dropping water into the room and damaging personal property.
- **Be sure to install the drainage pipe with descending slope of 1/100 or more, and not to make traps and air-bleedings.**
  Check if the drainage runs off securely during commissioning and ensure the space for inspection and maintenance.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **For installation work, be careful not to get injured with the heat exchanger, piping flare portion or screws etc.**
- **Be sure to insulate the refrigerant pipes so as not to condense the ambient air moisture on them.**
  Insufficient insulation can cause condensation, which can lead to moisture damage on the ceiling, floor, furniture and any other valuables.
- **When perform the air conditioner operation (cooling or drying operation) in which ventilator is installed in the room. In this case, using the air conditioner in parallel with the ventilator, there is the possibility that drain water may backflow in accordance with the room lapse into the negative pressure status. Therefore, set up the opening port such as incorporate the air into the room that may appropriate to ventilation (For example; Open the door a little). In addition, just as above, so set up the opening port if the room lapse into negative pressure status due to register of the wind for the high rise apartment etc.**
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.

- **Do not install the unit in the locations listed below.**
  - Locations where carbon fiber, metal powder or any powder is floating.
  - Locations where any substances that can affect the unit such as sulphide gas, chloride gas, acid and alkaline can occur.
  - Vehicles and ships.
  - Locations where cosmetic or special sprays are often used.
  - Locations with direct exposure of oil mist and steam such as kitchen and machine plant.
  - Locations where any machines which generate high frequency harmonics are used.
  - Locations with salty atmospheres such as coastlines.
  - Locations with heavy snow (If installed, be sure to provide base flame and snow hood mentioned in the manual).
  - Locations where the unit is exposed to chimney smoke.
  - Locations at high altitude (more than 1000m high).
  - Locations with ammonic atmospheres.
  - Locations where heat radiation from other heat source can affect the unit.
  - Locations without good air circulation.
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where short circuit of air can occur (in case of multiple units installation).
  - Locations where strong air blows against the air outlet of outdoor unit.
  - Locations where something located above the unit could fall.

  It can cause remarkable decrease in performance, corrosion and damage of components, malfunction and fire.
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation).**
  - Locations with any obstacles which can prevent inlet and outlet air of the unit.
  - Locations where vibration can be amplified due to insufficient strength of structure.
  - Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam (in case of the infrared specification unit).
  - Locations where an equipment affected by high harmonics is placed (TV set or radio receiver is placed within 1m).
  - Locations where drainage cannot run off safely.

  It can affect performance or function and etc.
- **Do not install the unit near the location where leakage of combustible gases can occur.**
  If leaked gases accumulate around the unit, it can cause fire.
- **Do not install the unit where corrosive gas (such as sulfurous acid gas etc.) or combustible gas (such as thinner and petroleum gases) can accumulate or collect, or where volatile combustible substances are handled.**
  Corrosive gas can cause corrosion of heat exchanger, breakage of plastic parts and etc. And combustible gas can cause fire.
- **Do not use the indoor unit at the place where water splashes may occur such as in laundries.**
  Since the indoor unit is not waterproof, it can cause electric shocks and fire.
- **Do not install nor use the system close to the equipment that generates electromagnetic fields or high frequency harmonics.**
  Equipment such as inverters, standby generators, medical high frequency equipments and telecommunication equipments can affect the system, and cause malfunctions and breakdowns. The system can also affect medical equipment and telecommunication equipment, and obstruct its function or cause jamming.
- **Do not place any variables which will be damaged by getting wet under the indoor unit.**
  When the relative humidity is higher than 80% or drainage pipe is clogged, condensation or drainage water can drop and it can cause the damage of valuables.
- **Do not install the remote control at the direct sunlight.**
  It can cause malfunction or deformation of the remote control.
- **Do not use the unit for special purposes such as storing foods, cooling precision instruments and preservation of animals, plants or art.**
  It can cause the damage of the items.
- **Do not use any materials other than a fuse with the correct rating in the location where fuses are to be used.**
  Connecting the circuit with copper wire or other metal thread can cause unit failure and fire.
- **Do not touch any buttons with wet hands.**
  It can cause electric shocks.
- **Do not touch any refrigerant pipes with your hands when the system is in operation.**
  During operation the refrigerant pipes become extremely hot or extremely cold depending the operating condition, and it can cause burn injury or frost injury.

BEFORE INSTALLATION

○ Before installation check that the power supply matches the air conditioner.

Indoor unit accessories

Symbol	Part name	Units
①	Wireless remote control	1
②	Remote control holder	1
③	Wireless receiver	1
④	Installation frame (for wireless receiver)	1
⑤	Drain hose	1
⑥	Clamp (for drain hose)	1
⑦	Battery [R03 (AAA, Micro) 1.5V]	2
⑧	Large washer (for hanging bolt M8)	8
⑨	Flat head wood screw (for remote control holder ϕ3.5x16)	2
⑩	Flat head machine screw (for wireless receiver M3.5x10)	2
⑪	Tapping screw (for clamp, ϕ4x8)	1
⑫	Plate (display)	1

Option parts

Symbol	Part name	Units
ⓐ	Blowout duct joint model RFJ22	1
ⓑ	Drain up kit model RDU12E	1
ⓒ	Back side suction filter set model RBF12	1
ⓓ	Lower suction grill set model RTS12	1

Parts to be prepared by the operative side

Symbol	Part name	Units
Ⓐ	Drain hose	1
Ⓑ	Ceiling hanging bolts (M8)	4
Ⓒ	Nuts (M8)	8
Ⓓ	Spring lock washers (M8)	4

Necessary tools for the installation work

- Plus headed driver
- Knife
- Saw
- Tape measure
- Hammer
- Spanner wrench
- Torque wrench [14.0 ~ 62.0 N·m (1.4 ~ 6.2 kgf·m)]
- Hole core drill (65mm in diameter)
- Wrench key (Hexagon) [4 m/m]
- Vacuum pump
- Vacuum pump adapter (Anti-reverse flow type) (Designed specifically for R410A)
- Gauge manifold (Designed specifically for R410A)
- Charge hose (Designed specifically for R410A)
- Flaring tool set (Designed specifically for R410A)
- Gas leak detector (Designed specifically for R410A)
- Gauge for projection adjustment (Used when flare is made by using conventional flare tool)

1 SELECTION OF INSTALLING LOCATION

(Install the unit with the customer's consent at a location that meets the following conditions.)

Indoor unit

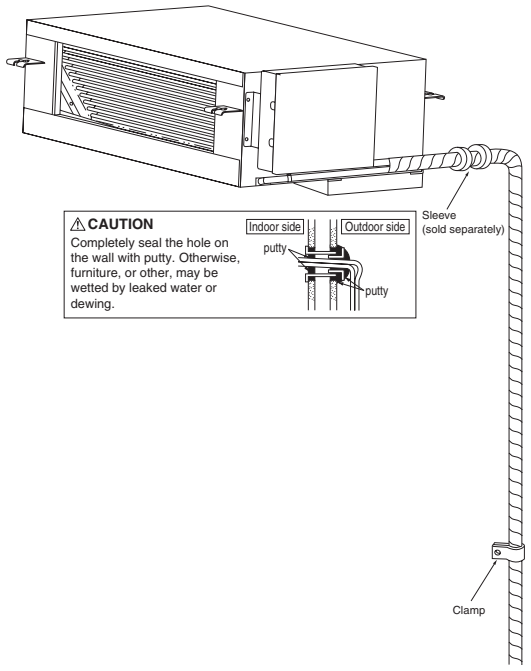
- Where there are no barriers to the breeze, and where cool/hot air may diffuse throughout the room.
- A firm location that may sustain the weight of the unit, and do not cause the unit or the ceiling to vibrate.
- A location that allows room for maintenance.
- Where wiring and plumbing may be performed with ease.
- Where water may be drained easily.
- Where the unit is not influenced by the television, stereo, radio, or the lights.
- Where the unit is not influenced by high frequency equipment and wiring equipment.
- Where oil splashes do not occur frequently.
- Where sunlight and strong lights do not directly hit the receiver.
- A flat ceiling surface (bottom of ceiling).
- Where the suction inlet of the unit is located far from the air inlet on the ceiling, the entire inside of ceiling acts as an air suction duct so that the capacity is reduced at the startup. In such occasion, it is recommended to install a duct at the air suction side.
- Where the suction inlet of the unit does not match the air inlet and there is not sufficient clearance between the unit and the ceiling face, the capacity is reduced. It is necessary to enable the air suction from the back by using optional parts © (Back side suction filter set model RBF12).

Wireless remote control

- Where the main unit can definitely detect the signals from the wireless remote control.
- Where it is not influenced by television or stereo.
- Avoid locations with direct sunlight or around heaters.
- Do not attach to weak walls such as a mud wall.

Maximum pipe length

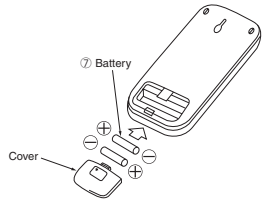
The maximum lengths and height differences for the pipes differ according to their outdoor unit. Please refer the Installation Instructions for the outdoor unit.



Installation of wireless remote control

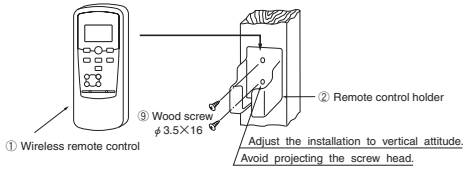
Mounting method of battery

○ Uncover the wireless remote control, and mount the batteries [R03 (AAA, Micro)×2 pieces] in the body regularly. (Fit the poles with the indication marks, ⊕ & ⊖ without fail)



Fixing to pillar or wall

○ Conventionally, operate the wireless remote control by holding in your hand.
○ In the case of stationary operation service as by mounting on the holder for the wireless remote control, make sure that the locating place is satisfactory for access service before installing it.
○ Avoid installing it on a clay wall etc.

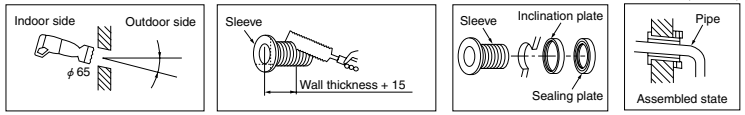


2 INSTALLATION OF INDOOR UNIT

Drilling of holes in the wall and fixture of sleeve

● The connecting wires may touch the metal inside the wall and cause danger so it is necessary to always use the sleeve.

(unit : mm)



● Drill a hole with a 65 whole core drill.

● When the pipe is connected at the rear, cut off the lower and the right side portions of the sleeve collar (as shown by the broken line).

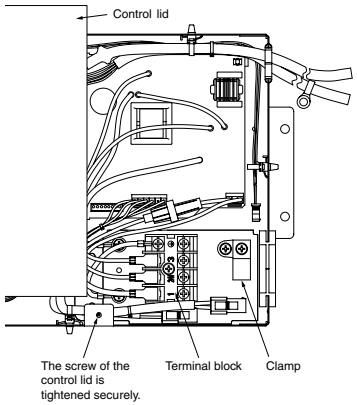
Preparations for the main frame

Mounting of interconnecting wires (Field wiring)

① Remove the control lid.
② Connect the connection wire securely to the terminal block.

Use cables for interconnection wiring to avoid loosening of the wires.
CENELEC code for cables Required field cables.
H05RNR4G1.5 (Example)

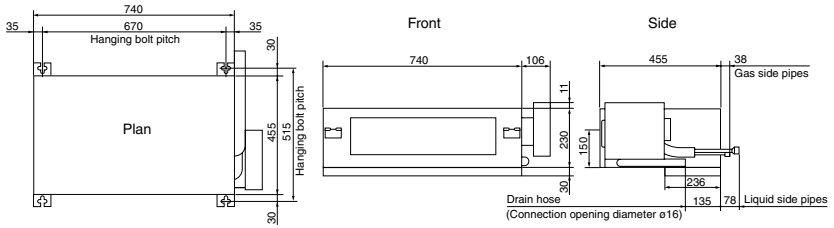
H	Harmonized cable type
05	300/500 volts
R	Natural-and/or synth. rubber wire insulation
N	Polychloroprene rubber conductors insulation
R	Stranded core
4	Number of conductors
G	One conductor of the cable is the earth conductor (yellow/green)
1.5	Section of copper wire (mm^2)



1) Connect the connection wire securely to the terminal block. If the wire is not affixed completely, contact will be poor, and it is dangerous as the terminal block may heat up and catch fire.
2) Take care not to confuse the terminal numbers for indoor andoutdoor connections.
3) Affix the connection wire using the wiring clamp.

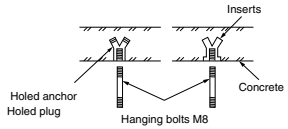
③ Attach the control lid.

Installation dimensions

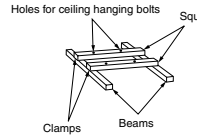


Securing the ceiling hanging bolts

If steel embedded ceiling



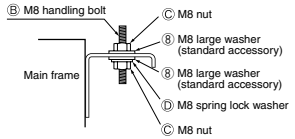
If wooden ceiling



○ Secure the ceiling hanging bolts firmly following the illustrations and other instructions.

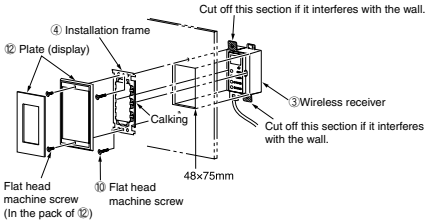
Installing the main unit

○ Attach the washers and nuts to the ceiling hanging bolts.
○ Attach the hanging tool to the above nuts, and tighten the nuts.



○ If it is not leveled, the float switch may malfunction or may not start.

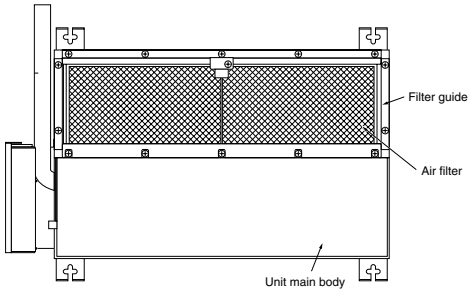
Securing the wireless receiver



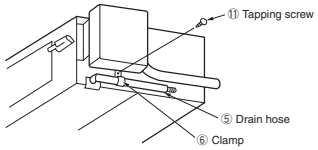
○ Open a through-hole on the wall to install the reception face for the wireless receiver ③.
○ Insert the wireless receiver ③ in the installation frame ④, and fix the calking section.
○ Fix the installation frame ④ on the wall using the flat head machine screws ⑩.
○ Fix the plate (display) ⑫ on the installation frame ④ using the flat head machine screws packed together with the plate (display) ⑫.

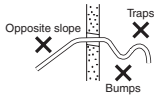
About the option parts

When optional parts ⓒ and ⓓ are used, please remove the filter guide.



Connecting the Drain Hose





NOTE

Conduct the installation correctly, and ensure that the water is draining correctly.
It may lead to water leaks.

- ○ Insert the drain hose as far as possible through the lower section of the side of the unit, and secure it with clamps.
- ○ The drain hose should be set in a downward slope (over 1/100), and it should not have any bumps or traps along its route.
- ○ When you are obliged to route the drain hose with a trap in its way or in an ascending gradient, please use an option part Drain up kit (RDU12E) ⓑ .
- ○ The indoor drain hose must be insulated.

3 CONNECTION OF REFRIGERANT PIPINGS

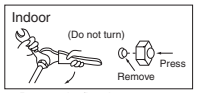
● Regarding the change in the sizes of gas side pipes (usage of the variable joints); If the 5.0 kw and 6.0 kw class indoor units (gas side pipe 12.7) is going to be connected to the operation valves (9.52), variable joints available as accessories must be applied to the gas side operation valves.

[Connection of pipes]

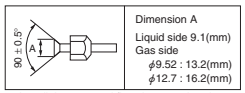
NOTE

- ● Cover the pipes with tape so that dust and sand do not enter the pipe until they are connected.
- ● When connecting the pipes to the outdoor unit, be careful about the discharge of fluorocarbon gas or oil.
- ● Make sure to match the pipes between the indoor unit and the outdoor unit with the correct operation valves.

(1) Preparations



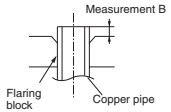
○ Remove the flared nuts, (on both liquid and gas sides)



○ Install the removed flared nuts to the pipes to be connected, then flare the pipes.

CAUTION

Do not apply refrigerating machine oil to the flared surface.

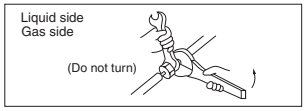


Copper pipe diameter	Measurement B (mm)		
	Clutch type flare tool for R410A	Conventional (R22) flare tool	
		Clutch type	Wing nut type
ϕ6.35	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.0
ϕ9.52	0.0 ~ 0.5	1.0 ~ 1.5	1.5 ~ 2.0
ϕ12.7	0.0 ~ 0.5	1.0 ~ 1.5	2.0 ~ 2.5

Use a flare tool designed for R410A or a conventional flare tool. Please note that measurement B (protrusion from the flaring block) will vary depending on the type of a flare tool in use. If a conventional flare tool is used, please use a copper pipe gauge or a similar instrument to check protrusion so that you can keep measurement B to a correct value.

(2) Connection

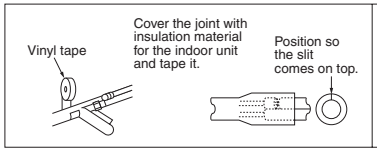
Indoor



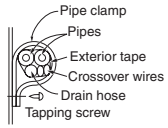
- ○ Connect the pipes on both liquid and gas sides.
- ○ Tighten the nuts to the following torque.
  Liquid side : 14.0 ~ 18.0 N·m (1.4 ~ 1.8 kgf·m)
  Gas side (ϕ 9.52) : 33.0 ~ 42.0 N·m (3.3 ~ 4.2 kgf·m)
  (ϕ 12.7) : 49.0 ~ 61.0 N·m (4.9 ~ 6.1 kgf·m)

4 HEAT INSULATION FOR JOINTS

Heat insulation for joints



Finish and fixing



Apply exterior tape and shape along the place where the pipes will be routed. Secure to the wall with a pipe clamp. Be careful not to damage the pipes and the wires.

5 TEST RUN AND HANDLING INSTRUCTIONS

Installation test check points

Check the following points again after completion of the installation, and before turning on the power.
Conduct a test run again and ensure that the unit operates properly. At the same time, explain to the customer how to use the unit and how to take care of the unit following the instruction manual.
If the compressor does not operate after the operation has started, wait for 5-10 minutes. (This may be due to delayed start.)
(Three-minute restart preventive timer)
When the air conditioner is restarted or when changing the operation, the unit will not start operating for approximately 3minutes. This is to protect the unit and it is not a malfunction.

After installation

- ☐ The power supply voltage is correct as the rating.
- ☐ No gas leaks from the joints of the operation valve.
- ☐ Power cables and crossover wires are securely fixed to the terminal board.
- ☐ Each indoor and outdoor unit is properly connected (no wrong wiring or piping).
- ☐ Operation valve is fully open.
- ☐ Refrigerant has been additionally charged (when the total pipe length exceeds the refrigerant charged pipe length).
- ☐ The pipe joints for indoor and outdoor pipes have been insulated.
- ☐ Earthing work has been conducted properly.
- ☐ The screw of the control lid is tightened securely.

Test run

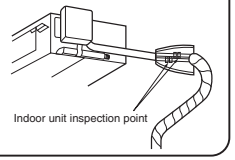
- ☐ Air conditioning and heating are normal.
- ☐ No abnormal noise.
- ☐ Water drains smoothly.
- ☐ Protective functions are not working.
- ☐ Operation of the unit has been explained to the customer.
- ☐ The wireless remote control is normal.

EARTHING WORK

- ○ Earth work shall be carried out without fail in order to prevent electric shock and noise generation.
- ○ The connection of the earth cable to the following substances causes dangerous failures, therefore it shall never be done. (City water pipe, Town gas pipe, TV antenna, lightning conductor, telephoneline, etc.)

GAS LEAK DETECTOR

- ● Check that there are no gas leaks from the pipe joints using a leak detector or soap water.



(4) Ceiling cassette-4way compact type (FDTC)

PJA012D786

This manual is for the installation of an indoor unit.
For electrical wiring work (Indoor), refer to the electrical wiring work installation manual. For remote controller installation, refer to the installation manual attached to a remote controller. For wireless kit installation, refer to the installation manual attached to a wireless kit. For electrical wiring work (Outdoor) and refrigerant pipe work installation for outdoor unit, refer to page 26 to 41.
This unit must always be used with the panel.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and then strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION .
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- The meanings of "Marks" used here are as shown as follows:
  ⃠ Never do it under any circumstances. ❶ Always do it according to the instruction.
- After completing the installation, do commissioning to confirm there are no abnormalities, and explain to the customers about "SAFETY PRECAUTIONS", correct operation method and maintenance method (air filter cleaning, operation method and temperature setting method) with user's manual of this unit.
  Ask your customers to keep this installation manual together with the user's manual. Also, ask them to hand over the user's manual to the new user when the owner is changed.

⚠WARNING

- **Installation should be performed by the specialist.**
  If you install the unit by yourself, it may lead to serious trouble such as water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Install the system correctly according to these installation manuals.**
  Improper installation may cause explosion, injury, water leakage, electric shock, and fire.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accidents.
- **Use the genuine accessories and the specified parts for installation.**
  If parts unspecified by our company are used it could cause water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Ventilate the working area well in case the refrigerant leaks during installation.**
  If the refrigerant contacts the fire, toxic gas is produced.
- **Install the unit in a location that can hold heavy weight.**
  Improper installation may cause the unit to fall leading to accidents.
- **Install the unit properly in order to be able to withstand strong winds such as typhoons, and earthquakes.**
  Improper installation may cause the unit to fall leading to accidents.
- **Do not mix air in to the cooling cycle on installation or removal of the air conditioner.**
  If air is mixed in, the pressure in the cooling cycle will rise abnormally and may cause explosion and injuries.
- **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.**
  Power source with insufficient capacity and improper work can cause electric shock and fire.
- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Arrange the electrical wires in the control box properly to prevent them from rising. Fit the lid of the services panel property.**
  Improper fitting may cause abnormal heat and fire.
- **Check for refrigerant gas leakage after installation is completed.**
  If the refrigerant gas leaks into the house and comes in contact with a fan heater, a stove, or an oven, toxic gas is produced.
- **Use the specified pipe, flare nut, and tools for R410A.**
  Using existing parts (R22) could cause the unit failure and serious accident due to explosion of the cooling cycle.
- **Tighten the flare nut according to the specified method by with torque wrench.**
  If the flare nut were tightened with excess torque, it could cause burst and refrigerant leakage after a long period.
- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulfide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Connect the pipes for refrigeration circuit securely in installation work before compressor is operated.**
  If the compressor is operated when the service valve is open without connecting the pipe, it could cause explosion and injuries due to abnormal high pressure in the system.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Do not repair by yourself. And consult with the dealer about repair.**
  Improper repair may cause water leakage, electric shock or fire.
- **Consult the dealer or a specialist about removal of the air conditioner.**
  Improper installation may cause water leakage, electric shock or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Do not run the unit when the panel or protection guard are taken off.**
  Touching the rotating equipment, hot surface, or high voltage section could cause an injury to be caught in the machine, to get burned, or electric shock.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

- **Perform earth wiring surely.**
  Do not connect the earth wiring to the gas pipe, water pipe, lightning rod and telephone earth wiring. Improper earth could cause unit failure and electric shock due to a short circuit.
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause electric shocks.
- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Do not use any materials other than a fuse of correct capacity where a fuse should be used.**
  Connecting the circuit by wire or copper wire could cause unit failure and fire.
- **Do not install the indoor unit near the location where there is possibility of flammable gas leakages.**
  If the gas leaks and gathers around the unit, it could cause fire.
- **Do not install and use the unit where corrosive gas (such as sulfurous acid gas etc.) or flammable gas (such as thinner, petroleum etc.) may be generated or accumulated, or volatile flammable substances are handled.**
  It could cause the corrosion of heat exchanger, breakage of plastic parts etc. And inflammable gas could cause fire.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Do not use the indoor unit at the place where water splashes such as laundry.**
  Indoor unit is not waterproof. It could cause electric shock and fire.
- **Do not use the indoor unit for a special purpose such as food storage, cooling for precision instrument, preservation of animals, plants, and a work of art.**
  It could cause the damage of the items.
- **Do not install nor use the system near equipments which generate electromagnetic wave or high harmonics.**
  Equipments like inverter equipment, private power generator, high-frequency medical equipment, or telecommunication equipment might influence the air conditioner and cause a malfunction and breakdown. Or the air conditioner might influence medical equipments or telecommunication equipments, and obstruct their medical activity or cause jamming.
- **Do not install the remote controller at the direct sunlight.**
  It could cause breakdown or deformation of the remote controller.
- **Do not install the indoor unit at the place listed below.**
  - Places where flammable gas could leak.
  - Places where carbon fiber, metal powder or any powder is floated.
  - Place where the substances which affect the air conditioner are generated such as sulfide gas, chloride gas, acid, alkali or ammonic atmospheres.
  - Places exposed to oil mist or steam directly.
  - On vehicles and ships
  - Places where machinery which generates high harmonics is used.
  - Places where cosmetics or special sprays are frequently used.
  - Highly salted area such as beach.
  - Heavy snow area
  - Places where the system is affected by smoke from a chimney.
  - Altitude over 1000m
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation)**
  - Locations with any obstacles which can prevent inlet and outlet air of the unit
  - Locations where vibration can be amplified due to insufficient strength of structure.
  - Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam. (in case of the infrared specification unit)
  - Locations where an equipment affected by high harmonics is placed. (TV set or radio receiver is placed within 5m)
  - Locations where drainage cannot run off safely.

  It can affect performance or function and etc..
- **Do not put any valuables which will break down by getting wet under the air conditioner.**
  Condensation could drop when the relative humidity is higher than 80% or drain pipe is clogged, and it damages user's belongings.
- **Do not use the base frame for the outdoor unit which is corroded or damaged after a long period of use.**
  It could cause the unit falling down and injury.
- **Pay attention not to damage the drain pan by weld sputter when brazing work is done near the unit.**
  If sputter entered into the unit during brazing work, it could cause damage (pinhole) of drain pan and leakage of water. To avoid damaging, keep the indoor unit packed or cover the indoor unit.
- **Install the drain pipe to drain the water surely according to the installation manual.**
  Improper connection of the drain pipe may cause dropping water into room and damaging user's belongings.
- **Do not share the drain pipe for indoor unit and GHP (Gas Heat Pump system) outdoor unit.**
  Toxic exhaust gas would flow into room and it might cause serious damage (some poisoning or deficiency of oxygen) to user's health and safety.
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.
- **For drain pipe installation, be sure to make descending slope of greater than 1/100, not to make traps, and not to make air-bleeding.**
  Check if the drainage is correctly done during commissioning and ensure the space for inspection and maintenance.
- **Ensure the insulation on the pipes for refrigeration circuit so as not to condense water.**
  Incomplete insulation could cause condensation and it would wet ceiling, floor, and any other valuables.
- **Do not install the outdoor unit where is likely to be a nest for insects and small animals.**
  Insects and small animals could come into the electronic components and cause breakdown and fire. Instruct the user to keep the surroundings clean.
- **Pay extra attention, carrying the unit by hand.**
  Carry the unit with 2 people if it is heavier than 20kg. Do not use the plastic straps but the grabbing place, moving the unit by hand. Use protective gloves in order to avoid injury by the aluminum fin.
- **Make sure to dispose of the packaging material.**
  Leaving the materials may cause injury as metals like nail and woods are used in the package.
- **Do not operate the system without the air filter.**
  It may cause the breakdown of the system due to clogging of the heat exchanger.
- **Do not touch any button with wet hands.**
  It could cause electric shock.
- **Do not touch the refrigerant piping with bare hands when in operation.**
  The pipe during operation would become very hot or cold according to the operating condition, and it could cause a burn or frostbite.
- **Do not clean up the air conditioner with water.**
  It could cause electric shock.
- **Do not turn off the power source immediately after stopping the operation.**
  Be sure to wait for more than 5 minutes. Otherwise it could cause water leakage or breakdown.
- **Do not control the operation with the circuit breaker.**
  It could cause fire or water leakage. In addition, the fan may start operation unexpectedly and it may cause injury.

① Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  ○ Unit type/Power supply specification ○ Pipes/Wires/Small parts ○ Accessory items

Accessory itme

For unit hanging		For refrigerant pipe			For draom pipe			
Flat washer (M10)	Level gauge (Insulation)	Pipe cover(big)	Pipe cover (small)	Strap	Pipe cover(big)	Pipe cover(small)	Drain hose	Hose clamp
								
8	4	1	1	4	1	1	1	1
For unit hanging	For adjustment in hoisting in the unit's main body	For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting

② Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.
  This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
  If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

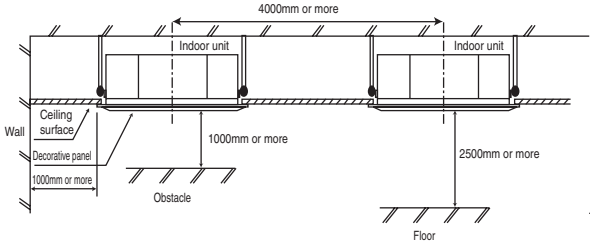
② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③ If there are 2 units of wireless type, keep them away for more than 5m to avoid malfunction due to cross communication.

④ When plural indoor units are installed nearby, keep them away for more than 4m.

Space for installation and service

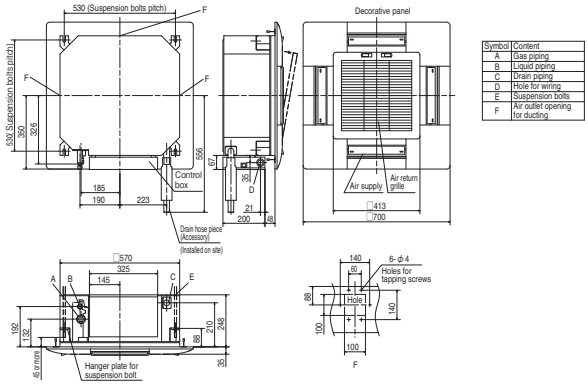
- When it is not possible to keep enough space between indoor unit and wall or between indoor units, close the air supply port where it is not possible to keep space and confirm there is no short circuit of airflow.
- Install the indoor unit at a height of more than 2.5m above the floor.



③ Preparation before installation

- If suspension bolt becomes longer, do reinforcement of earthquake resistant.
  ○ For grid ceiling
  When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
  ○ In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
  When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
- Prepare four (4) sets of suspension bolt, nut and spring washer (M10 or M8) on site.

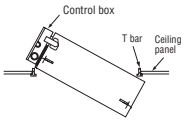
Ceiling opening, Suspension bolts pitch, Pipe position



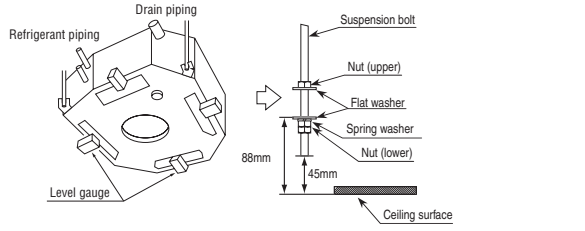
④ Installation of indoor unit

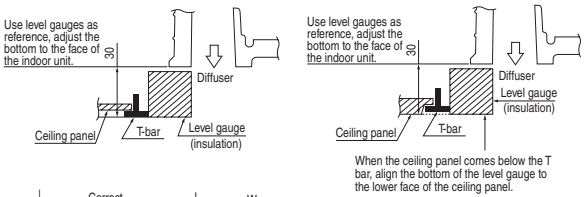
Work procedure

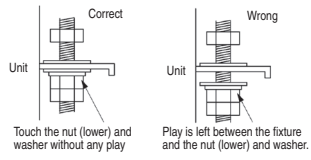
1. This units is designed for 2 x 2 grid ceiling.
   If necessary, please detach the T bar temporarily before you install it.
   If it is installed on a ceiling other than 2 x 2 grid ceiling, provide an inspection port on the control box side.
2. Arrange the suspension bolt at the right position (530mm×530mm).
3. Make sure to use four suspension bolts and fix them so as to be able to hold 500N load.
4. Ensure that the lower end of the suspension bolt should be 45mm above the ceiling plane.
   Temporarily put the four lower nuts 88mm above the ceiling plane and the upper nuts on distant place from the lower nuts in order not to obstruct hanging the indoor unit or adjust the indoor unit position, and then hang the indoor unit.



5. Adjust the indoor unit position after hanging it by inserting the level gauge attached on the package into the air supply port and checking if the gap between the ceiling plane and the indoor unit is appropriate. In order to adjust the indoor unit position, adjust the lower nuts while the upper nuts are put on distant place. Confirm there is no backlash between the hanger plate for suspension bolt and the lower nut and washer.

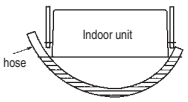






④ Installation of indoor unit (continued)

6. Make sure to install the indoor unit horizontally. Confirm the levelness of the indoor unit with a level gauge or transparent hose filled with water. Keep the height difference at both ends of the indoor unit within 3mm.
7. Tighten four upper nuts and fix the unit after height and levelness adjustment.



Caution

- Do not adjust the height by adjusting upper nuts. It will cause unexpected stress on the indoor unit and it will lead to deformation of the unit, failure of attaching a panel, and generating noise from the fan.
- Make sure to install the indoor unit horizontally and set the gap between the unit underside and the ceiling plane properly. Improper installation may cause air leakage, dew condensation, water leakage and noise.
- Even after decorative panel attached, still the unit height can be adjusted finely. Refer to the installation manual for decorative panel for details.
- Make sure there is no gap between decoration panel and ceiling surface, and between decoration panel and the indoor unit. The gap may cause air leakage, dew condensation and water leakage.
- In case decorative panel is not installed at the same time, or ceiling material is installed after the unit installed, put the cardboard template for installation attached on the package (packing material of cardboard box) on the bottom of the unit in order to avoid dust coming into the indoor unit.

⑤ Refrigerant pipe

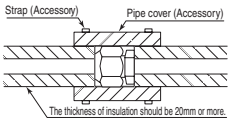
Caution

- Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  - Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  - Do not use thin-walled pipes.
- Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   (Gas may come out at this time, but it is not abnormal.)
   - Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ※ Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※ Do a flare connection as follows:
   - Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   - When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   - Make sure to insulate both gas pipes and liquid pipes completely.
     ※ Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



⑥ Drain pipe

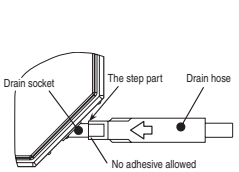
Caution

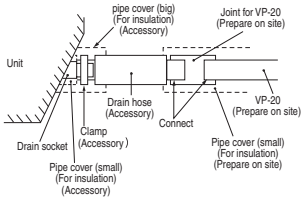
- Install the drain pipe according to the installation manual in order to drain properly.
  Imperfection in draining may cause flood indoors and wetting the household goods etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

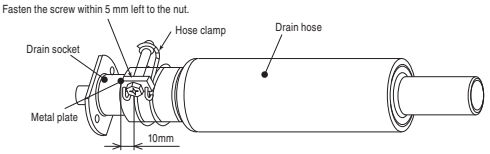
⑥ Drain pipe (continued)

Work procedure

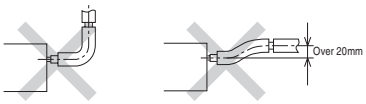
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
   Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   - Do not apply adhesives on this end.



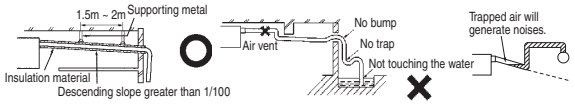




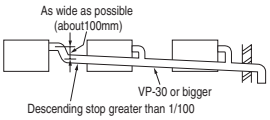
2. Prepare a joint for connecting VP-20 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-20 pipe (prepare on site).
   ※ As for drain pipe, apply VP-20 made of rigid PVC which is on the market.
   - Make sure that the adhesive will not get into the supplied drain hose.
     It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - Do not bend or make an excess offset on the drain hose as shown in the picture.
     Bend or excess offset will cause drain leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - Do not set up air vent.



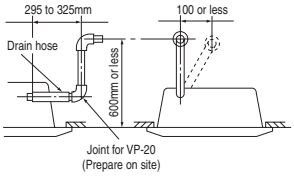
   - When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.



4. Insulate the drain pipe.
   - Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※ After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

Drain up

- The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.

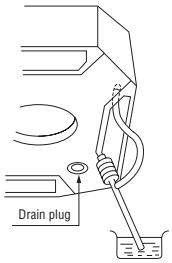


⑥ Drain pipe (continued)

Drain test

- After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan. Check if the motor sound of drain pump is normal or not.
- Do drain test even if installation of heating season.
- For new building cases, make sure to complete the test before hanging the ceiling.

1. Pour water of about 1000cc into the drain pan in the indoor unit by pump so as not to get the electrical component wet.
2. Make sure that water is drained out properly and there is no water leakage from any joints of the drain pipe at the test.
   Confirm that the water is properly drained out while the drain motor is operating. At the drain socket (transparent), it is possible to check if the water is drained out properly.
3. Unplug the drain plug on the indoor unit to remove remaining water on the drain pan after the test, and re-plug it. And insulate the drain pipe properly finally.



Drain pump operation

○ In case electrical wiring work finished
Drain pump can be operated by remote controller (wired).
For the operation method, refer to Operation for drain pump in the installation manual for wiring work.

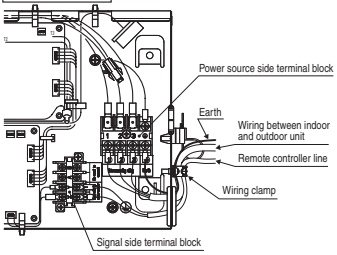
○ In case electrical wiring work not finished
Drain pump will run continuously when the dip switch"SW7-1" on the indoor unit PCB is turned ON, the Connector CNB is disconnected, and then the power supply (220-240VAC on the terminal block [① and ②] or [Ⓛ and Ⓝ]) is turned ON.
Make sure to turn OFF "SW7-1" and reconnect the Connector CNB after the test.

⑦ Wiring-out position and wiring connection

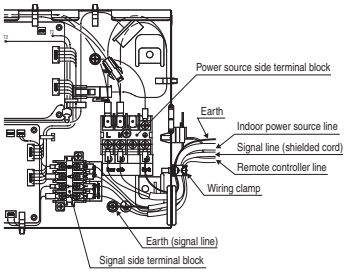
- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country. Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (1 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamp.
4. Install a lid of the control box back to original place.

Single split (PAC) series



VRF (KX) series



⑧ Panel installation

- After wiring work finished, install the panel on the indoor unit.
- Refer to attached panel installation manual for details.

Accessory items

1	Hook		1 piece	For fixing temporarily
2	Chain		2 pieces	
3	Bolt		4 pieces	For installing the panel
4	Screw		1 piece	For attaching a hook
5	Screw		2 pieces	For attaching a chain

- Attach the panel on the indoor unit after electrical wiring work.
- Refer to attached manual for panel installation for details. (See next page)

⑨ Check list after installation

- Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

PANEL INSTALLATION MANUAL

PJA012D783

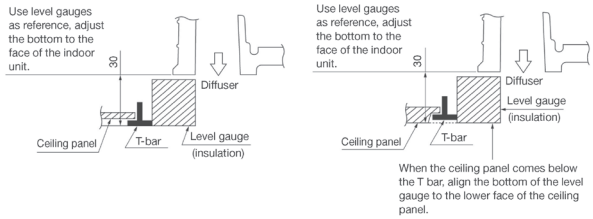
Please read this manual together with the indoor unit's installation manual.

⚠ WARNING

- **Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.**
  Loose connection or hold will cause abnormal heat generation or fire.
- **Make sure the power supply is turned off when electric wiring work.**
  Otherwise, electric shock, malfunction and improper running may occur.

① Checking the indoor unit installation position

- Read this manual together with the air conditioner installation manual carefully.
- Check if the gap between the ceiling plane and the indoor unit is correct by inserting the level gauge into the air outlet port of the indoor unit. (See below drawing)
- Adjust the installation elevation if necessary.
- Remove the level gauge before you attach the panel.

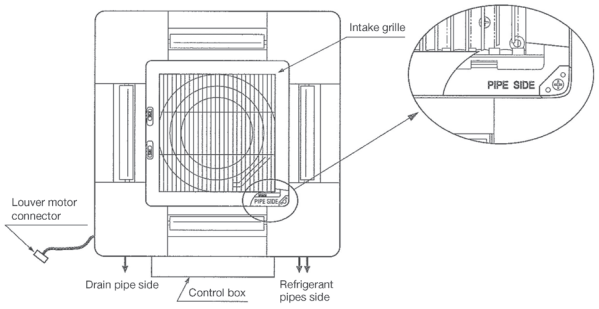


② Orientation of the panel and return air grille installation

1. Take note that there is an orientation to install the panel.
   - Attach the panel with the orientation shown on the below.
   - Align the "PIPE SIDE" mark (on the panel) with the refrigerant pipes on the indoor unit.
2. The intake grille can also be attached in a rotated position by 90 degrees.

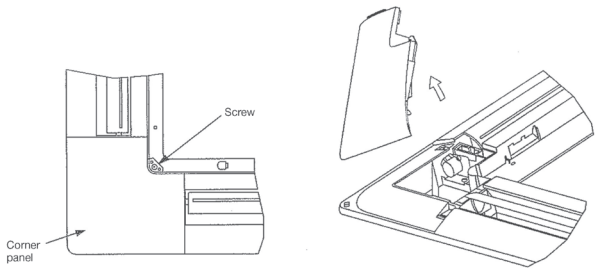
Caution

· In case the orientation of the panel is not correct, it will lead to air leakage and also it is not possible to connect the louver motor wiring.



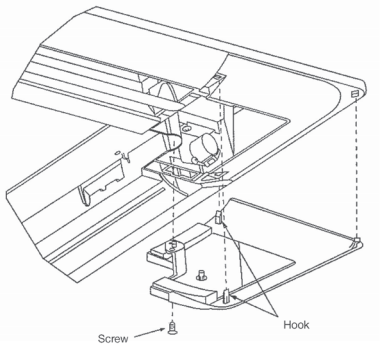
③ Removing a corner panel

- Unscrew the screw from the corner area, pull the corner panel toward the direction indicated by the arrow mark.



④ Attaching a corner panel

- First insert the part "a" of a corner panel into the part "A" of the cover panel, engage two hooks and tighten the screw.



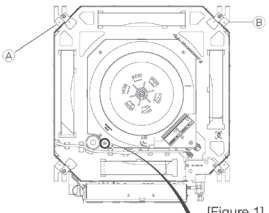
⑤ Panel installation

- Install the panel on the unit after completing the electrical wiring.

Accessories

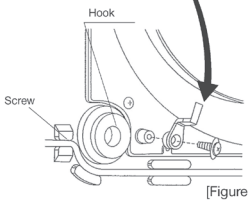
1	Hook		1 piece	For fixing temporarily
2	Chain		2 pieces	
3	Screw		4 pieces	For hoisting the panel
4	Screw		1 piece	For attaching a hook
5	Screw		2 pieces	For attaching a chain

1. Screw in two bolts out of the four supplied with the panel by about slightly less than 5mm. (● mark ⒶⒷ) [Figure 1]



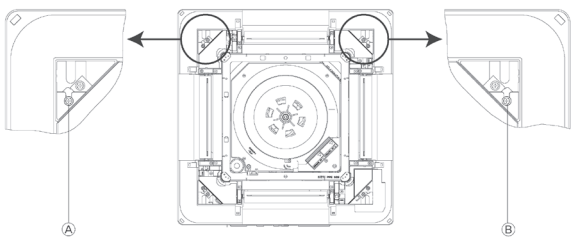
[Figure 1]

2. Attach the hook supplied with the panel to the main body with the hook fixing screw (1 screw). [Figure 2]
3. Open the intake grille.
4. Please remove the screw of a corner panel and remove a corner panel. (four places)



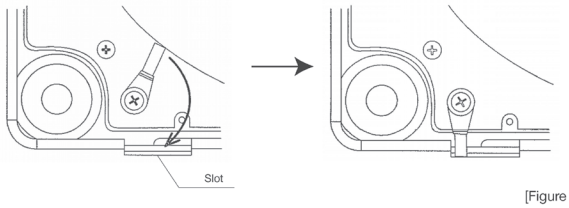
[Figure 2]

5. A panel is hooked on two bolts (● mark ⒶⒷ). [Figure 3]



[Figure 3]

6. Please rotate a hook, put in the slot on the panel, and carry out fixing the panel temporarily. [Figure 4]

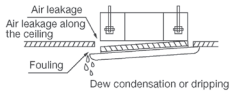


[Figure 4]

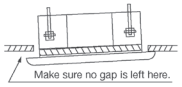
7. Tighten the two bolts used for fixing the panel temporarily and the other two.

Caution

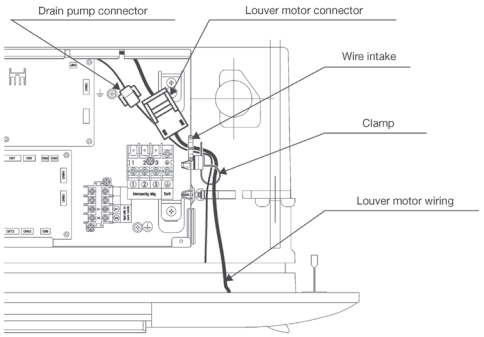
- Improperly tightened hanging bolts can cause the problems listed below, so make sure that you have tightened them securely.



- If there is a gap remaining between the ceiling and the decorative panel even after the hanging bolts are tightened, adjust the installation level of the indoor unit again.

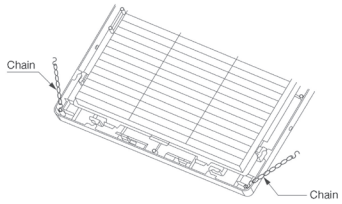


8. Please open the lid of a control box.
9. Like drain pump wiring, please band together by the clamp and put in louver motor wiring into a control box. [Figure 5]
10. Please connect a louver motor connector. [Figure 5]



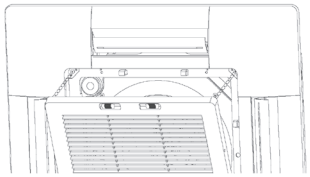
[Figure 5]

11. Attach two chains to the intake grille with two screws. [Figure 6]



[Figure 6]

12. Replace the corner panels. Please also close a chain with a screw together then. [Figure 7]
13. Close the intake grill.



[Figure 7]

Caution

Make sure there is no stress given on the panel when adjusting the height of the indoor unit to avoid unexpected distortion. It may cause the distortion of panel or failing to close the air return grille.

⑦ How to set the airflow direction

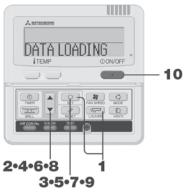
It is possible to change the movable range of the louver on the air outlet from the wired remote controller. Once the top and bottom position is set, the louver will swing within the range between the top and the bottom when swing operation is chosen. It is also possible to apply different setting to each louver.
Note : This function is not able to be set with wireless remote controls or simple remote control (RCH-H3).

1 Stop the air conditioner and press SET button and LOUVER button simultaneously for three seconds or more.
The following is displayed if the number of the indoor units connected to the remote controller is one. Go to step **4**.

"DATA LOADING "
↓
"No.1 "

The following is displayed if the number of the indoor units connected to the remote controller are more than one

"SELECT I/U"
↓
"I/U000 "



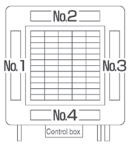
2 Press ▲ or ▼ button. (selection of indoor unit)
Select the indoor unit of which the louver is set.
[EXAMPLE]
"I/U000 "⇔"I/U001 "⇔"I/U002 "⇔
"I/U003 "

3 Press SET button. (determination of indoor unit)
Selected indoor unit is fixed.
[EXAMPLE]
"I/U001 " (displayed for two seconds)
↓
"DATA LOADING "
↓
"No.1 "

NOTICE

- In case the louver No to be set is uncertain, set any louver temporarily. The louver will swing once when the setting is completed and it is possible to confirm the louver No and the position. After that, choose the correct louver No and set the top and bottom position.

4 Press ▲ or ▼ button. (selection of louver No.)
Select the louver No. to be set according to the right figure.
[EXAMPLE]
"No.1 "⇔"No.2 "⇔"No.3 "⇔
"No.4 "



Louver No.

5 Press SET button. (Determination of louver No.)
The louver No. to be set is confirmed and the display shows the upper limit of the movable range.
[EXAMPLE] If No. louver is selected
"No.1 UPPER2 " ← current upper limit position

6 Press ▲ or ▼ button. (selection of upper limit position)
Select the upper limit of louver movable range.
"position 1" is the most horizontal, and "position 6" is the most downward.
"position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".

"No.1 UPPER1 " (the most horizontal)
⇔"No.1 UPPER2 "
⇔"No.1 UPPER3 "
⇔"No.1 UPPER4 "
⇔"No.1 UPPER5 "
⇔"No.1 UPPER6 " (the most downwards)
⇔"No.1 UPPER-- " (return to the default setting)

the position of the louver

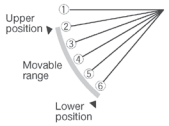
7 Press SET button. (i in of the upper limit position)
The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.
[EXAMPLE]
No.1 UPPER2 (displayed for two seconds)
↓
No.1 LOWER5 (shows current setting)

8 Press ▲ or ▼ button. (Selection of lower limit position)
Select the lower limit position of louver.
"position 1" is the most horizontal, and "position 6" is the most downwards.
"position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".

No.1 LOWER1 (the most horizontal)
No.1 LOWER2
No.1 LOWER3
No.1 LOWER4
No.1 LOWER5
No.1 LOWER6 (the most downwards)
No.1 LOWER-- (return to the default setting)

9 Press SET button. (i in of the lower limit position)
Upper limit position and lower limit position are fixed, and the set positions are displayed for two seconds, then setting is completed.
- After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and or indoor unit fan is in operation.)

[EXAMPLE]
No.1 U2 L6 (displayed for two seconds)
SET COMPLETE
No.1



10 Press ⏻ON/OFF button.
Louver adjusting mode ends and returns to the original display.
For setting the swing range of other louvers, return to 1 and proceed same procedure respectively.

Caution

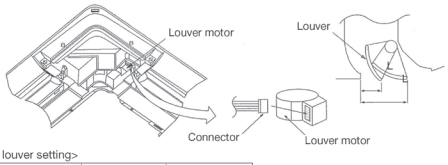
If the upper limit position number and the lower limit position number are set to the same position, the louver is fixed at that position auto swing does not function.

ATTENTION

If you press RESET button during settings, the display will return to previous display.
If you press ⏻ON/OFF button during settings, the mode will be ended and return to original display, and the settings that have not been completed will become invalid.

When plural remote controllers are connected, louver setting operation cannot be set by slave remote controller.

If it is necessary to fix the louver position manually, follow the procedure mentioned below.
1. Shut off the main power switch.
2. Unplug the connector of the louver motor which you want to fix the position.
   Make sure to insulate unplugged connectors electrically with a vinyl tape.
3. Adjust the louver position slowly by hand so as to be within the applicable range mentioned below table.



<Range of louver setting>

Vertical airflow direction	Horizontal 23°	Downwards 50°
Dimension L (mm)	40	24

※It can be set between 24~40mm freely.

Caution

- Any automatic control or operation from the remote controller will be disabled on the louver whose position is fixed in the above way.
- Do not set a louver beyond the specified range. Failure to observe this instruction may result in dripping, dew condensation, the fouling of the ceiling and the malfunctioning of the unit.

(5) Ceiling suspended type (FDEN)

PFA012D621B △b

This manual is for the installation of an indoor unit.
For electrical wiring work (Indoor), refer to the electrical wiring work installation manual. For remote controller installation, refer to the installation manual attached to a remote controller. For wireless kit installation, refer to the installation manual attached to a wireless kit. For electrical wiring work (Outdoor) and refrigerant pipe work installation for outdoor unit, refer to Page 34 to 41.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and then strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION .
  ⚠WARNING: Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- The meanings of "Marks" used here are as shown as follows:
  ⃠ Never do it under any circumstances. ❗ Always do it according to the instruction.
- After completing the installation, do commissioning to confirm there are no abnormalities, and explain to the customers about "SAFETY PRECAUTIONS", correct operation method and maintenance method (air filter cleaning, operation method and temperature setting method) with user's manual of this unit.
  Ask your customers to keep this installation manual together with the user's manual. Also, ask them to hand over the user's manual to the new user when the owner is changed.

⚠WARNING

- **Installation should be performed by the specialist.**
  If you install the unit by yourself, it may lead to serious trouble such as water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Install the system correctly according to these installation manuals.**
  Improper installation may cause explosion, injury, water leakage, electric shock, and fire.
- **When installing in small rooms, take prevention measures not to exceed the density limit of refrigerant in the event of leakage, referred by the formula (accordance with ISO5149).**
  If the density of refrigerant exceeds the limit, please consult the dealer and install the ventilation system, otherwise lack of oxygen can occur, which can cause serious accidents.
- **Use the genuine accessories and the specified parts for installation.**
  If parts unspecified by our company are used it could cause water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Ventilate the working area well in case the refrigerant leaks during installation.**
  If the refrigerant contacts the fire, toxic gas is produced.
- **Install the unit in a location that can hold heavy weight.**
  Improper installation may cause the unit to fall leading to accidents.
- **Install the unit properly in order to be able to withstand strong winds such as typhoons, and earthquakes.**
  Improper installation may cause the unit to fall leading to accidents.
- **Do not mix air in to the cooling cycle on installation or removal of the air conditioner.**
  If air is mixed in, the pressure in the cooling cycle will rise abnormally and may cause explosion and injuries.
- **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.**
  Power source with insufficient capacity and improper work can cause electric shock and fire.
- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Arrange the electrical wires in the control box properly to prevent them from rising. Fit the lid of the services panel property.**
  Improper fitting may cause abnormal heat and fire.
- **Check for refrigerant gas leakage after installation is completed.**
  If the refrigerant gas leaks into the house and comes in contact with a fan heater, a stove, or an oven, toxic gas is produced.
- **Use the specified pipe, flare nut, and tools for R410A.**
  Using existing parts (R22) could cause the unit failure and serious accident due to explosion of the cooling cycle.
- **Tighten the flare nut according to the specified method by with torque wrench.**
  If the flare nut were tightened with excess torque, it could cause burst and refrigerant leakage after a long period.
- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulfide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Connect the pipes for refrigeration circuit securely in installation work before compressor is operated.**
  If the compressor is operated when the service valve is open without connecting the pipe, it could cause explosion and injuries due to abnormal high pressure in the system.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Do not repair by yourself. And consult with the dealer about repair.**
  Improper repair may cause water leakage, electric shock or fire.
- **Consult the dealer or a specialist about removal of the air conditioner.**
  Improper installation may cause water leakage, electric shock or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Do not run the unit when the panel or protection guard are taken off.**
  Touching the rotating equipment, hot surface, or high voltage section could cause an injury to be caught in the machine, to get burned, or electric shock.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

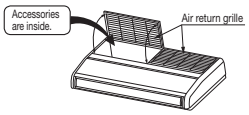
- **Perform earth wiring surely.**
  Do not connect the earth wiring to the gas pipe, water pipe, lightning rod and telephone earth wiring. Improper earth could cause unit failure, electric shock and fire due to a short circuit.
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it can cause fire and electric shocks.
- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Do not use any materials other than a fuse of correct capacity where a fuse should be used.**
  Connecting the circuit by wire or copper wire could cause unit failure and fire.
- **Do not install the indoor unit near the location where there is possibility of flammable gas leakages.**
  If the gas leaks and gathers around the unit, it could cause fire.
- **Do not install and use the unit where corrosive gas (such as sulfurous acid gas etc.) or flammable gas (such as thinner, petroleum etc.) may be generated or accumulated, or volatile flammable substances are handled.**
  It could cause the corrosion of heat exchanger, breakage of plastic parts etc. And inflammable gas could cause fire.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Do not use the indoor unit at the place where water splashes such as laundry.**
  Indoor unit is not waterproof. It could cause electric shock and fire.
- **Do not use the indoor unit for a special purpose such as food storage, cooling for precision instrument, preservation of animals, plants, and a work of art.**
  It could cause the damage of the items.
- **Do not install nor use the system near equipments which generate electromagnetic wave or high harmonics.**
  Equipments like inverter equipment, private power generator, high-frequency medical equipment, or telecommunication equipment might influence the air conditioner and cause a malfunction and breakdown. Or the air conditioner might influence medical equipments or telecommunication equipments, and obstruct their medical activity or cause jamming.
- **Do not install the remote controller at the direct sunlight.**
  It could cause breakdown or deformation of the remote controller.
- **Do not install the indoor unit at the place listed below.**
  · Places where flammable gas could leak.
  · Places where carbon fiber, metal powder or any powder is floated.
  · Place where the substances which affect the air conditioner are generated such as sulfide gas, chloride gas, acid, alkali or ammonic atmospheres.
  · Places exposed to oil mist or steam directly.
  · On vehicles and ships
  · Places where machinery which generates high harmonics is used.
  · Places where cosmetics or special sprays are frequently used.
  · Highly salted area such as beach.
  · Heavy snow area
  · Places where the system is affected by smoke from a chimney.
  · Altitude over 1000m
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation)**
  · Locations with any obstacles which can prevent inlet and outlet air of the unit
  · Locations where vibration can be amplified due to insufficient strength of structure.
  · Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam. (in case of the infrared specification unit)
  · Locations where an equipment affected by high harmonics is placed. (TV set or radio receiver is placed within 5m)
  · Locations where drainage cannot run off safely.
  It can affect performance or function and etc..
- **Do not put any valuables which will break down by getting wet under the air conditioner.**
  Condensation could drop when the relative humidity is higher than 80% or drain pipe is clogged, and it damages user's belongings.
- **Do not use the base frame for the outdoor unit which is corroded or damaged after a long period of use.**
  It could cause the unit falling down and injury.
- **Pay attention not to damage the drain pan by weld sputter when brazing work is done near the unit.**
  If sputter entered into the unit during brazing work, it could cause damage (pinhole) of drain pan and leakage of water. To avoid damaging, keep the indoor unit packed or cover the indoor unit.
- **Install the drain pipe to drain the water surely according to the installation manual.**
  Improper connection of the drain pipe may cause dropping water into room and damaging user's belongings.
- **Do not share the drain pipe for indoor unit and GHP (Gas Heat Pump system) outdoor unit.**
  Toxic exhaust gas would flow into room and it might cause serious damage (some poisoning or deficiency of oxygen) to user's health and safety.
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.
- **For drain pipe installation, be sure to make descending slope of greater than 1/100, not to make traps, and not to make air-bleeding.**
  Check if the drainage is correctly done during commissioning and ensure the space for inspection and maintenance.
- **Ensure the insulation on the pipes for refrigeration circuit so as not to condense water.**
  Incomplete insulation could cause condensation and it would wet ceiling, floor, and any other valuables.
- **Do not install the outdoor unit where is likely to be a nest for insects and small animals.**
  Insects and small animals could come into the electronic components and cause breakdown and fire. Instruct the user to keep the surroundings clean.
- **Pay extra attention, carrying the unit by hand.**
  Carry the unit with 2 people if it is heavier than 20kg. Do not use the plastic straps but the grabbing place, moving the unit by hand. Use protective gloves in order to avoid injury by the aluminum fin.
- **Make sure to dispose of the packaging material.**
  Leaving the materials may cause injury as metals like nail and woods are used in the package.
- **Do not operate the system without the air filter.**
  It may cause the breakdown of the system due to clogging of the heat exchanger.
- **Do not touch any button with wet hands.**
  It could cause electric shock.
- **Do not touch the refrigerant piping with bare hands when in operation.**
  The pipe during operation would become very hot or cold according to the operating condition, and it could cause a burn or frostbite.
- **Do not clean up the air conditioner with water.**
  It could cause electric shock.
- **Do not turn off the power source immediately after stopping the operation.**
  Be sure to wait for more than 5 minutes. Otherwise it could cause water leakage or breakdown.
- **Do not control the operation with the circuit breaker.**
  It could cause fire or water leakage. In addition, the fan may start operation unexpectedly and it may cause injury.

①Before installation

- Install correctly according to the installation manual.
- Confirm the following points:
  ○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

For unit hanging		For refrigerant pipe			For drain pipe					For air return grille
Flat washer (M10)	Paper pattern	Pipe cover (large)	Pipe cover (small)	Strap	Drain hose (with clamp)	Hose clamp	Fixing bracket	Screw	Heay insulation	Screw
8	1	1	1	4	1	1	1	2	1	4
For unit hanging	For unit hanging and adjustment	For heat insulation of gas pipe	For heat insulation of liquid pipe	For fixing of pipe cover	For drain pipe connection	For drain hose mounting	For fixing of drain hose	For installing of fixing bracket	For drain hose	For fixing air return grille



②Selection of installation location for the indoor unit

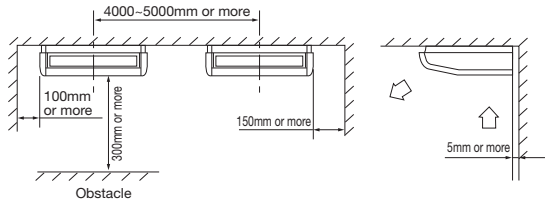
① Select the suitable areas to install the unit under approval of the user.
- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 23°C and relative humidity is lower than 80%. This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above.
- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.
  (A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

③ If there are 2 units of wireless type, keep them away for more than 6m to avoid malfunction due to cross communication.

④ When plural indoor units are installed nearby, keep them away for more than 4 to 5m.

Space for installation and service



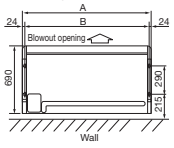
③Preparation before installation

- If suspension bolt becomes longer, do reinforcement of earthquake resistant.
  ○ For grid ceiling
  When suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.
  ○ In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.
  When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.
- Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

③Preparation before installation (continued)

Pitch of suspension bolts and pipe position

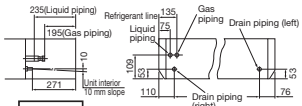
Pitch of suspension bolts



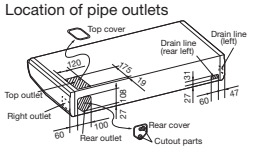
(mm)

Series	type	A	B
Single Split (PAC) series	40 to 50type	1070	1022
	60 to 71type	1320	1272
	100 to 140type	1620	1572
VRF (KX) series	36 to 56type	1070	1022
	71type	1320	1272
	112 to 140type	1620	1572

Pipe position



Location of pipe outlets



※The outlet through which the pipings are taken out is available in three directions.
※Pipes can be taken out in 3 directions (rear, right or top).
- Cut out holes using nippers, etc.
- Cut out holes to take out pipes along the cutoff line on the rear cover.
- Cut out the top face cover aligning to the piping position.
- When taking pipe out to right-hand side, cut out a hole along the groove at the inside of side panel.
- After installing pipes and wires, seal clearances around pipes and wires with putty, etc. to shut off dust.

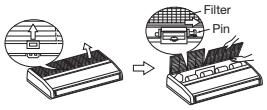
Make sure to install the covers at rear and top in order to protect the inside of unit from intrusion of dust or protect wires from damages by sharp edges. When taking them out to the right-hand side, remove burrs or sharp edges from the cutout.

Haulage

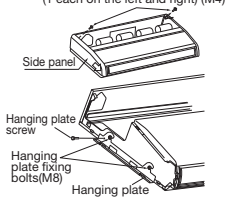
- Move the box as close to the installation area as possible packed.
- If it must be unpacked, wrap the unit with a nylon sling, and be careful not to damage the unit.
- If you need to lay the unit on a floor after unpacking, always put it with the intake grille facing upward.

Preparation before instalation

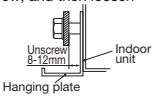
1. Remove the air return grille.
Slide stoppers (4 places) of the catches, then pull out the pins (4 or 6 places).



2. Remove the side panel.
Remove the screw and detach the side panel by sliding it toward the direction indicated by the arrow mark.



3. Remove the hanging plate.
Remove the screw, and then loosen the fixing bolts.



④Remote controller

Installation of remote controller

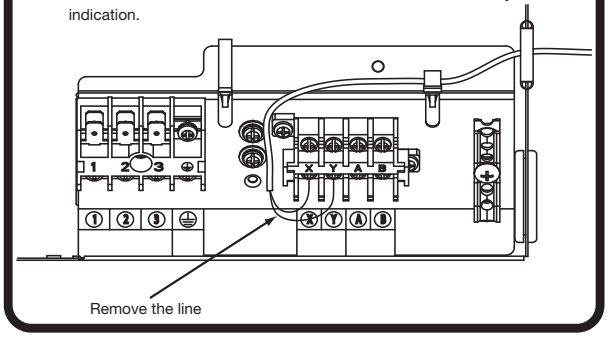
Up to two receiver or wired remote controller can be installed in one indoor unit group.

● When both wired and wireless remote controller are used
It is necessary to set wired or wireless remote controller as slave.
(For the method of changing the setting, refer to the installtion manual attached to remote controller or wireless kit.)

● When wired remote controller are used only (wireless type)
It is necessary to remove the line that is connected to the receiver.
Remove signal line connected to the receiver from primary side of terminal block (X, Y).

ATTENTION

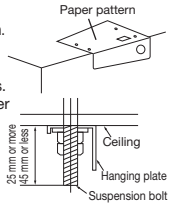
①Insulate with tape the removed line.
②The LED of that removed connector will not be able to make any indication.



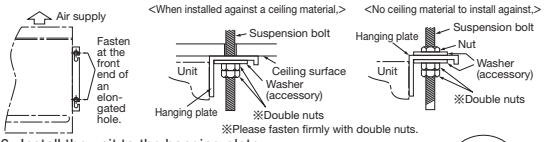
⑤Installation of indoor unit

Work procedure

1. Select the suspension bolt locations and the pipe hole location.
   (1) Use enclosed paper pattern as a reference, and drill the holes for the suspension bolts and pipe.
   ※Decide the locations based on direct measurements.
   (2) Once the locations are properly placed, the paper pattern can be removed.

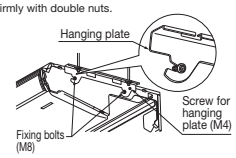


2. Install the suspension bolts in place.
3. Fix with 4 suspension bolts, which can endure load of 500N.
4. Check the measurements given at the right figure for the length of the suspension bolts.
5. Fasten the hanging plate onto the suspension bolts.



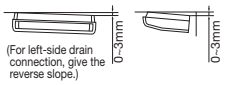
※Please fasten firmly with double nuts.

6. Install the unit to the hanging plate.
   (1) Slide the unit in from front side to get it hanged on the hanging plate with the bolts.
   (2) Fasten the four fixing bolts (M8: 2 each on the left and right sides) firmly.
   (3) Fasten the two screws (M4: 1 each on the left and right sides).



⚠**WARNINIG** : Hang a side panel on from the panel side to the rear side and then fasten it securely onto the indoor unit with screws.

※To ensure smooth drain flow, install the unit with a descending slope toward the drain outlet.



⚠ **CAUTION** : Do not give the reversed slope, which may cause water leaks.

⑥Refrigerant pipe

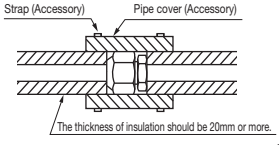
Caution

- ●Use the new refrigerant pipe.
  When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
  ・Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
  ・Do not use thin-walled pipes.
- ●Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
  In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.
- ●Do not use any refrigerant other than R410A.
  Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.
- ●Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.
- ●Use special tools for R410 refrigerant.

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
   ※Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
   ●Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
   ・When taking out the pipe to rear or top, install it together with the electric wire⑧, passing them through the attached cover.
   ・Seal clearances with putty, etc. to shut off dust.
   ※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
   ※Do a flare connection as follows:
   ●Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
   ●When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
   ●Make sure to insulate both gas pipes and liquid pipes completely.
   ※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
   As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

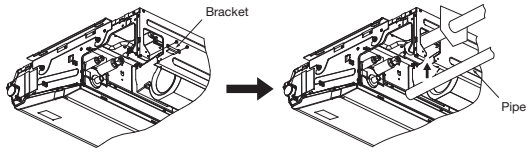
Pipe diameter	Tightening torque N·m
ø 6.35	14 to 18
ø 9.52	34 to 42
ø 12.7	49 to 61
ø 15.88	68 to 82
ø 19.05	100 to 120



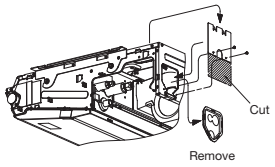
⑥Refrigerant pipe (continued)

The pipe can be connected from three different directions. (back, reight, top)

- ● When the pipe is routed through the back.
  If the bracket is removed, piping work will become easy.
  ※After piping, reinstall the removed bracket.



- ● When the pipe is routed through the back.
  Cut the removed top cover, and install to the rear panel instead of rear cover.



⑦Drain pipe

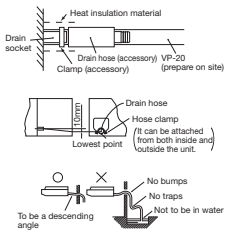
The drain pipes may face out towards the back to the left, or to the right side.

Caution

- ● Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- ● Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful andinflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- ● Connect the pipe securely to avoid water leakage from the joint.
- ● Insulate the pipe properly to avoid condensation drop.
- ● Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- ● Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

1. Insert drain hose completely to the base, and tighten the drain hose clamp securely. (adhesive must not be used.)
   ※When plumbing on the left side, move the rubber plug and the cylindrical insulating materials by the pipe connecting hole on the left side of the unit to the right side.
   ⚠Beware of a possible outflow of water that may occur upon removal of a drain plug.
2. Fix the drain hose at the lowest point with a hose clamp supplied as an accessory.
   ※Give a drain hose a gradient of 10mm as illustrated in the right drawing by laying it without leaving a slack.
   ● Take head of electrical cables so that they may not run beneath the drain hose.



⚠A drain hose must be clamped down with a hose clamp. There is a possibility that drain water overflows.

3. Connect VP-20(prepare on site) to drain hose. (adhesive must not be used.)
   ※ Use commercially available rigid PVC general pipe VP-20 for drain pipe.
4. Do not to make the up-down bending and trap in the mid-way while assuming that the drain pipes is downhill. (more than 1/100)
   ● Never set up air vent.
5. Insulate the drain pipe.
   ● Insulate the drain hose clamp with the heat insulation supplied as accessories.
   ● When the unit is installed in a humid place, consider precautions against dew condensation such as heat insulation for the drain pipe.

Drain test

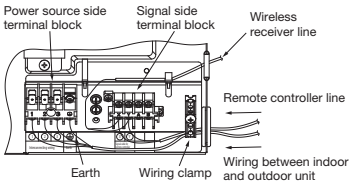
- ● After installation of drain pipe, make sure that drain system work in good condition and no water leakage from joint and drain pan.
- ● Do drain test even if installation of heating season.

⑧Wiring-out position and wiring connection

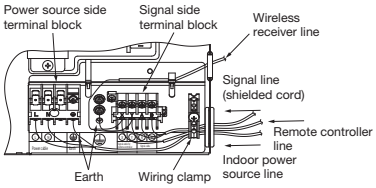
- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- Be sure to do D type earth work.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the electrical box (2 screws).
2. Hold each wiring inside the unit and connect to a terminal block surely.
3. Fix the wiring by clamps.
4. Install the removed parts back to original place.

Single split (PAC) series



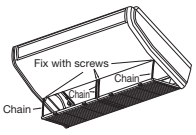
VRF(KX) series

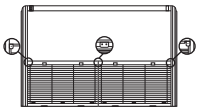


⑨Attaching the air return grille

- The air return grille must be attached when electrical cabling work is completed.

1. Fix the chains tied to the air return grille onto the indoor unit with screws supplied as accessories (4 pieces).
2. Close the air return grille.
   This completes the unit installtion work.





⑩Check list after installation

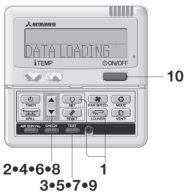
- Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
There is mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	

⑪How to set the airflow direction

It is possible to change the movable range of the louver on the air outlet from the wired remote controller. Once the top and bottom position is set, the louver will swing within the range between the top and the bottom when swing operation is chosen. It is also possible to apply different setting to each louver.
Note:This function is not able to be set with wireless remote controller or simple remote controll (RCH-H3).

1. Stop the air conditioner and press SET button and LOUVER button simultaneously for three seconds or more.
   - The following is displayed if the number of the indoor units connected to the remote controller is one. Go to step 4.
     "DATA LOADING "
     ↓
     "No.1 "
   - The following is displayed if the number of the indoor units connected to the remote controller are more than one.
     "SELECT I/U"
     ↓
     "I/U000 "



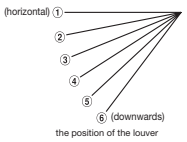
2. Press ▲or▼button.(selection of indoor unit)●Select the indoor unit of which the louver is set.
   [EXAMPLE]
   "I/U000 "⇔"I/U001 "⇔"I/U002 "⇔
   "I/U003 "

3. Press SET button.(determination of indoor unit) ●Selected indoor unit is fixed.
   [EXAMPLE]
   "I/U001 " (displayed for two seconds)
   ↓
   "DATA LOADING "
   ↓
   "No.1 "

4. Press▲or▼button.(selection of louver No.) ●Select the louver No. to be set according to the right figure.
   [EXAMPLE]
   "No.1 "⇔"No.2 "⇔"No.3 "⇔
   "No.4 "

5. Press SET button.(Determination of louver No.)
   ●The louver No. to be set is confirmed and the display shows the upper limit of the movable range.
   [EXAMPLE] If No.1 louver is selected,
   "No.1 UPPER2 " ←current upper limit position

6. Press ▲or▼button.(selection of upper limit position)
   - Select the upper limit of louver movable range.
     "position 1" is the most horizontal, and "position 6" is the most downward.
     "position --" is to return to the factory setting.
     If you need to change the setting to the default setting, use "position --".

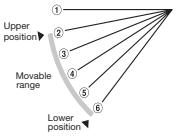


   "No.1 UPPER1 " (the most horizotal)
   ⇔"No.1 UPPER2 "
   ⇔"No.1 UPPER3 "
   ⇔"No.1 UPPER4 "
   ⇔"No.1 UPPER5 "
   ⇔"No.1 UPPER6 " (the most downwards)
   ⇔"No.1 UPPER-- " (return to the default setting)

7. Press SET button.(Fixing of the upper limit position)
   ●The upper limit position is fixed and the setting position is displayed for two seconds. Then proceed to lower limit position selection display.
   [EXAMPLE]
   No.1 UPPER2 (displayed for two seconds)
   ↓
   No.1 LOWER5 (shows current setting)

8. Press ▲or ▼button.(Selection of lower limit position)
   ●Select the lower limit position of louver.
   "position 1" is the most horizontal, and "position 6 "is the most downwards.
   "position --" is to return to the factory setting. If you need to change the setting to the default setting, use "position --".
   No.1 LOWER1 (the most horizontal)
   No.1 LOWER2
   No.1 LOWER3
   No.1 LOWER4
   No.1 LOWER5
   No.1 LOWER6 (the most downwards)
   No.1 LOWER-- (return to the default setting)

9. Press SET button.(Fixing of the lower limit position)
   ●Upper limit position and lower limit position are fixed, and the set positions are displayed for two seconds, then setting is completed.
   - After the setting is completed, the louver which was set moves from the original position to the lower limit position, and goes back to the original position again. (This operation is not performed if the indoor unit and/or indoor unit fan is in operation.)



   [Example]
   No.1 U2 L6 (displayed for two seconds)
   SET COMPLETE
   No.1

10. Press ⏻ON/OFF button.
    ●Louver adjusting mode ends and returns to the original display.

Caution
If the upper limit position number and the lower limit position number are set to the same position, the louver is fixed at that position auto swing does not funtion.

ATTENTION
If you press RESET button during settings, the display will return to previous display.If you press ⏻ON/OFF button during settings, the mode will be ended and return to original display, and the settings that have not been completed will become invalid.

When plural remote controllers are connected, louver setting operation cannot be set by slave remote controller.

(6) Duct connected Low/Middle static pressure type (FDUM)

PJG012D001

This manual is for the installation of an indoor unit.
For electrical wiring work (Indoor), refer to the electrical wiring work installation manual. For remote controller installation, refer to the installation manual attached to a remote controller. For wireless kit installation, refer to the installation manual attached to a wireless kit. For electrical wiring work (Outdoor) and refrigerant pipe work installation for outdoor unit, refer to page 34 to 41.

SAFETY PRECAUTIONS

- Read the "SAFETY PRECAUTIONS" carefully first of all and then strictly follow it during the installation work in order to protect yourself.
- The precautionary items mentioned below are distinguished into two levels, ⚠WARNING and ⚠CAUTION .
  ⚠WARNING : Wrong installation would cause serious consequences such as injuries or death.
  ⚠CAUTION : Wrong installation might cause serious consequences depending on circumstances.
  Both mentions the important items to protect your health and safety so strictly follow them by any means.
- The meanings of "Marks" used here are as shown on the right:
  ⃠ Never do it under any circumstances. | ❗ Always do it according to the instruction.
- After completing the installation, do commissioning to confirm there are no abnormalities, and explain to the customers about "SAFETY PRECAUTIONS", correct operation method and maintenance method (air filter cleaning, operation method and temperature setting method) with user's manual of this unit.
  Ask your customers to keep this installation manual together with the user's manual. Also, ask them to hand over the user's manual to the new user when the owner is changed.

⚠ WARNING

- **Installation should be performed by the specialist.**
  If you install the unit by yourself, it may lead to serious trouble such as water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Install the system correctly according to these installation manuals.**
  Improper installation may cause explosion, injury, water leakage, electric shock, and fire.
- **Check the density refered by the foumula (accordance with ISO5149).**
  If the density exceeds the limit density, please consult the dealer and installate the ventilation system.
- **Use the genuine accessories and the specified parts for installation.**
  If parts unspecified by our company are used it could cause water leakage, electric shock, fire, and injury due to overturn of the unit.
- **Ventilate the working area well in case the refrigerant leaks during installation.**
  If the refrigerant contacts the fire, toxic gas is produced.
- **Install the unit in a location that can hold heavy weight.**
  Improper installation may cause the unit to fall leading to accidents.
- **Install the unit properly in order to be able to withstand strong winds such as typhoons, and earthquakes.**
  Improper installation may cause the unit to fall leading to accidents.
- **Do not mix air in to the cooling cycle on installation or removal of the air conditioner.**
  If air is mixed in, the pressure in the cooling cycle will rise abnormally and may cause explosion and injuries.
- **Be sure to have the electrical wiring work done by qualified electrical installer, and use exclusive circuit.**
  Power source with insufficient capacity and improper work can cause electric shock and fire.
- **Use specified wire for electrical wiring, fasten the wiring to the terminal securely, and hold the cable securely in order not to apply unexpected stress on the terminal.**
  Loose connections or hold could result in abnormal heat generation or fire.
- **Arrange the electrical wires in the control box properly to prevent them from rising. Fit the lid of the services panel property.**
  Improper fitting may cause abnormal heat and fire.
- **Check for refrigerant gas leakage after installation is completed.**
  If the refrigerant gas leaks into the house and comes in contact with a fan heater, a stove, or an oven, toxic gas is produced.
- **Use the specified pipe, flare nut, and tools for R410A.**
  Using existing parts (R22) could cause the unit failure and serious accident due to explosion of the cooling cycle.
- **Tighten the flare nut according to the specified method by with torque wrench.**
  If the flare nut were tightened with excess torque, it could cause burst and refrigerant leakage after a long period.
- **Do not put the drainage pipe directly into drainage channels where poisonous gases such as sulfide gas can occur.**
  Poisonous gases will flow into the room through drainage pipe and seriously affect the user's health and safety. This can also cause the corrosion of the indoor unit and a resultant unit failure or refrigerant leak.
- **Connect the pipes for refrigeration circuit securely in installation work before compressor is operated.**
  If the compressor is operated when the service valve is open without connecting the pipe, it could cause explosion and injuries due to abnormal high pressure in the system.
- **Stop the compressor before removing the pipe after shutting the service valve on pump down work.**
  If the pipe is removed when the compressor is in operation with the service valve open, air would be mixed in the refrigeration circuit and it could cause explosion and injuries due to abnormal high pressure in the cooling cycle.
- **Only use prescribed optional parts. The installation must be carried out by the qualified installer.**
  If you install the system by yourself, it can cause serious trouble such as water leaks, electric shocks, fire.
- **Do not repair by yourself. And consult with the dealer about repair.**
  Improper repair may cause water leakage, electric shock or fire.
- **Consult the dealer or a specialist about removal of the air conditioner.**
  Improper installation may cause water leakage, electric shock or fire.
- **Turn off the power source during servicing or inspection work.**
  If the power is supplied during servicing or inspection work, it could cause electric shock and injury by the operating fan.
- **Do not run the unit when the panel or protection guard are taken off.**
  Touching the rotating equipment, hot surface, or high voltage section could cause an injury to be caught in the machine, to get burned, or electric shock.
- **Shut off the power before electrical wiring work.**
  It could cause electric shock, unit failure and improper running.

⚠ CAUTION

- **Perform earth wiring surely.**
  Do not connect the earth wiring to the gas pipe, water pipe, lightning rod and telephone earth wiring. Improper earth could cause unit failure and electric shock or fire due to a short circuit.
- **Earth leakage breaker must be installed.**
  If the earth leakage breaker is not installed, it could cause electric shocks or fire.
- **Use the circuit breaker of correct capacity. Circuit breaker should be the one that disconnect all poles under over current.**
  Using the incorrect one could cause the system failure and fire.
- **Do not use any materials other than a fuse of correct capacity where a fuse should be used.**
  Connecting the circuit by wire or copper wire could cause unit failure and fire.
- **Do not install the indoor unit near the location where there is possibility of flammable gas leakages.**
  If the gas leaks and gathers around the unit, it could cause fire.
- **Do not install and use the unit where corrosive gas (such as sulfurous acid gas etc.) or flammable gas (such as thinner, petroleum etc.) may be generated or accumulated, or volatile flammable substances are handled.**
  It could cause the corrosion of heat exchanger, breakage of plastic parts etc. And inflammable gas could cause fire.
- **Secure a space for installation, inspection and maintenance specified in the manual.**
  Insufficient space can result in accident such as personal injury due to falling from the installation place.
- **Do not use the indoor unit at the place where water splashes such as laundry.**
  Indoor unit is not waterproof. It could cause electric shock and fire.
- **Do not use the indoor unit for a special purpose such as food storage, cooling for precision instrument, preservation of animals, plants, and a work of art.**
  It could cause the damage of the items.
- **Do not install nor use the system near equipments which generate electromagnetic wave or high harmonics.**
  Equipments like inverter equipment, private power generator, high-frequency medical equipment, or telecommunication equipment might influence the air conditioner and cause a malfunction and breakdown. Or the air conditioner might influence medical equipments or telecommunication equipments, and obstruct their medical activity or cause jamming.
- **Do not install the remote controller at the direct sunlight.**
  It could cause breakdown or deformation of the remote controller.
- **Do not install the indoor unit at the place listed below.**
  · Places where flammable gas could leak.
  · Places where carbon fiber, metal powder or any powder is floated.
  · Place where the substances which affect the air conditioner are generated such as sulfide gas, chloride gas, acid, alkali or ammonic atmospheres.
  · Places exposed to oil mist or steam directly.
  · On vehicles and ships
  · Places where machinery which generates high harmonics is used.
  · Places where cosmetics or special sprays are frequently used.
  · Highly salted area such as beach.
  · Heavy snow area
  · Places where the system is affected by smoke from a chimney.
  · Altitude over 1000m
- **Do not install the indoor unit in the locations listed below (Be sure to install the indoor unit according to the installation manual for each model because each indoor unit has each limitation)**
  · Locations with any obstacles which can prevent inlet and outlet air of the unit
  · Locations where vibration can be amplified due to insufficient strength of structure.
  · Locations where the infrared receiver is exposed to the direct sunlight or the strong light beam. (in case of the infrared specification unit)
  · Locations where an equipment affected by high harmonics is placed. (TV set or radio receiver is placed within 5m)
  · Locations where drainage cannot run off safely.
  It can affect performance or function and etc..
- **Do not put any valuables which will break down by getting wet under the air conditioner.**
  Condensation could drop when the relative humidity is higher than 80% or drain pipe is clogged, and it damages user's belongings.
- **Do not use the base frame for the outdoor unit which is corroded or damaged after a long period of use.**
  It could cause the unit falling down and injury.
- **Pay attention not to damage the drain pan by weld sputter when brazing work is done near the unit.**
  If sputter entered into the unit during brazing work, it could cause damage (pinhole) of drain pan and leakage of water. To avoid damaging, keep the indoor unit packed or cover the indoor unit.
- **Install the drain pipe to drain the water surely according to the installation manual.**
  Improper connection of the drain pipe may cause dropping water into room and damaging user's belongings.
- **Do not share the drain pipe for indoor unit and GHP (Gas Heat Pump system) outdoor unit.**
  Toxic exhaust gas would flow into room and it might cause serious damage (some poisoning or deficiency of oxygen) to user's health and safety.
- **Be sure to perform air tightness test by pressurizing with nitrogen gas after completed refrigerant piping work.**
  If the density of refrigerant exceeds the limit in the event of refrigerant leakage in the small room, lack of oxygen can occur, which can cause serious accidents.
- **For drain pipe installation, be sure to make descending slope of greater than 1/100, not to make traps, and not to make air-bleeding.**
  Check if the drainage is correctly done during commissioning and ensure the space for inspection and maintenance.
- **Ensure the insulation on the pipes for refrigeration circuit so as not to condense water.**
  Incomplete insulation could cause condensation and it would wet ceiling, floor, and any other valuables.
- **Do not install the outdoor unit where is likely to be a nest for insects and small animals.**
  Insects and small animals could come into the electronic components and cause breakdown and fire. Instruct the user to keep the surroundings clean.
- **Pay extra attention, carrying the unit by hand.**
  Carry the unit with 2 people if it is heavier than 20kg. Do not use the plastic straps but the grabbing place, moving the unit by hand. Use protective gloves in order to avoid injury by the aluminum fin.
- **Make sure to dispose of the packaging material.**
  Leaving the materials may cause injury as metals like nail and woods are used in the package.
- **Do not operate the system without the air filter.**
  It may cause the breakdown of the system due to clogging of the heat exchanger.
- **Do not touch any button with wet hands.**
  It could cause electric shock.
- **Do not touch the refrigerant piping with bare hands when in operation.**
  The pipe during operation would become very hot or cold according to the operating condition, and it could cause a burn or frostbite.
- **Do not clean up the air conditioner with water.**
  It could cause electric shock.
- **Do not turn off the power source immediately after stopping the operation.**
  Be sure to wait for more than 5 minutes. Otherwise it could cause water leakage or breakdown.
- **Do not control the operation with the circuit breaker.**
  It could cause fire or water leakage. In addition, the fan may start operation unexpectedly and it may cause injury.

○This model is middle static ducted type air conditioning unit. Therefore, do not use this model for direct blow type air conditioning unit.

①Before installation

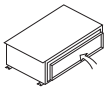
●Install correctly according to the installation manual.

●Confirm the following points:

○Unit type/Power supply specification ○Pipes/Wires/Small parts ○Accessory items

Accessory item

For hanging	For refrigerant pipe			For drain pipe			
Flat washer (M10)	Pipe cover (big)	Pipe cover (small)	Strap	Pipe cover (big)	Pipe cover (small)	Drain hose	Hose clamp
							
8	1	1	4	1	1	1	1
For unit hanging	For heat insulation of gas pipe	For heat insulation of liquid tube	For pipe cover fixing	For heat insulation of drain socket	For heat insulation of drain socket	For drain pipe connecting	For drain hose mounting



Accessory parts are stored inside this suction side.

②Selection of installation location for the indoor unit

① Select the suitable areas to install the unit under approval of the user.

- Areas where the indoor unit can deliver hot and cold wind sufficiently. Suggest to the user to use a circulator if the ceiling height is over 3m to avoid warm air being accumulated on the ceiling.
- Areas where there is enough space to install and service.
- Areas where it can be drained properly. Areas where drain pipe descending slope can be taken.
- Areas where there is no obstruction of airflow on both air return grille and air supply port.
- Areas where fire alarm will not be accidentally activated by the air conditioner.
- Areas where the supply air does not short-circuit.
- Areas where it is not influenced by draft air.
- Areas not exposed to direct sunlight.
- Areas where dew point is lower than around 28°C and relative humidity is lower than 80%.

(This indoor unit is tested under the condition of JIS (Japan Industrial Standard) high humidity condition and confirmed there is no problem. However, there is some risk of condensation drop if the air conditioner is operated under the severer condition than mentioned above. If there is a possibility to use it under such a condition, attach additional insulation of 10 to 20mm thick for entire surface of indoor unit, refrigeration pipe and drain pipe.)

- Areas where TV and radio stays away more than 1m. (It could cause jamming and noise.)
- Areas where any items which will be damaged by getting wet are not placed such as food, table wares, server, or medical equipment under the unit.
- Areas where there is no influence by the heat which cookware generates.
- Areas where not exposed to oil mist, powder and/or steam directly such as above fryer.
- Areas where lighting device such as fluorescent light or incandescent light doesn't affect the operation.

(A beam from lighting device sometimes affects the infrared receiver for the wireless remote controller and the air conditioner might not work properly.)

② Check if the place where the air conditioner is installed can hold the weight of the unit. If it is not able to hold, reinforce the structure with boards and beams strong enough to hold it. If the strength is not enough, it could cause injury due to unit falling.

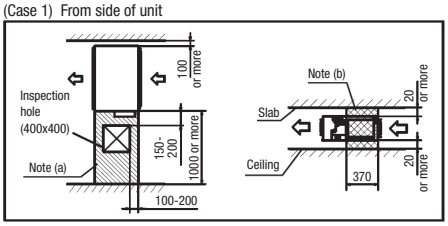
Space for installation and service

●Make installation altitude over 2.5m.

(Indoor Unit)

Select either of two cases to keep space for installation and services.

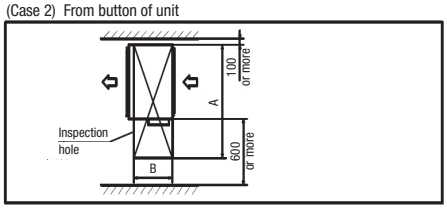
(Case 1) From side of unit



Notes (a) There must not be obstacle to draw out fan motor. (marked area)

(b) Install refrigerant pipe, drain pipe, and wiring so as not to cross marked area.

(Case 2) From button of unit



(Size of inspection hole)

Single type	50-71	100-140
Multi type	22-90	112-160
A	1100	1300
B	620	740

③Preparation before installation

●If suspension bolt becomes longer, do reinforcement of earthquake resistant.

○For grid ceiling

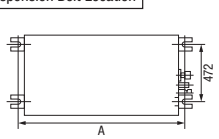
When the suspension bolt length is over 500mm, or the gap between the ceiling and roof is over 700mm, apply earthquake resistant brace to the bolt.

○In case the unit is hanged directly from the slab and is installed on the ceiling plane which has enough strength.

When suspension bolt length is over 1000mm, apply the earthquake resistant brace to the bolt.

●Prepare four (4) sets of suspension bolt, nut and spring washer (M10) on site.

Suspension Bolt Location



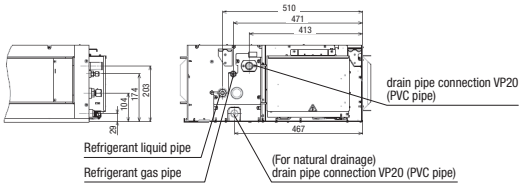
○ Adhere to the measurements given below for the length of the suspension bolts.

UNIT: mm

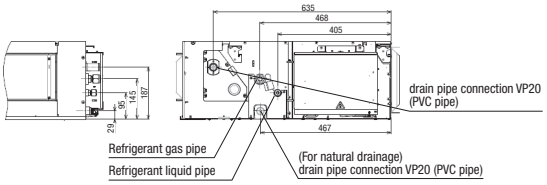
Multi type	22-56	71, 90	112-160
Single type	50	60, 71	100-140
A	786	986	1404

Pipe locations UNIT: mm

Multi type	22-90
Single type	50-71



Multi type	112-160
Single type	100-140

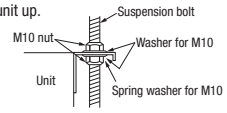


④Installation of indoor unit

Installation

[Hanging]

Hang the unit up.

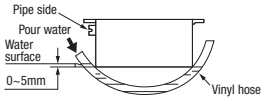


If the measurements between the unit and the ceiling hole do not match upon installation, it may be adjusted with the long holed installation tool.

Adjustment for horizontality

○Either use a level vial, or adjust the level according to the method below.

●Adjust so the bottom side of the unit will be leveled with the water surface as illustrated below.



Let the pipe side be slightly sloped.

○If the unit is not leveled, it may cause malfunctions or inoperation of the float switch.

⑤Duct Work

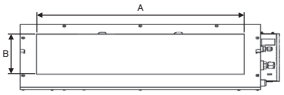
①A corrugated board (for preventing sputtering) is attached to the main body of the air conditioner (on the outlet port). Do not remove it until connecting the duct.

●An air filter can be provided on the main body of the air conditioner (on the inlet port). Remove it when connecting the duct on the inlet port.

②Blowout duct

●Use rectangular duct to connect with unit.
Duct size for each unit is as shown below.

Single type	50	60-71	100-140
Multi type	22-56	71-90	112-140
A	682	882	1470
B	172	172	590



●Duct should be at their minimum length.

●We recommend to use sound and heat insulated duct to prevent it from condensation.

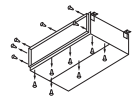
●Connect duct to unit before ceiling attachment.

③Inlet port

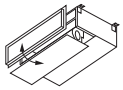
●When shipped the inlet port lies on the back.

●When connecting the duct to the inlet port, remove the air filter if it is fitted to the inlet port.

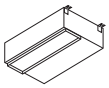
●When placing the inlet port to carry out suction from the bottom side, use the following procedure to replace the suction duct joint and the bottom plate.



●Remove the screws which fasten the bottom plate and the duct joint on the inlet port side of the unit.



●Replace the removed bottom plate and duct joint.



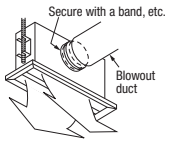
●Fit the duct join with a screw; fit the bottom plate.

●Make sure to insulate the duct to prevent dewing on it.

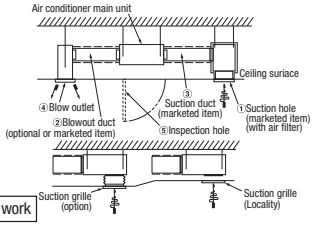
④Install the specific blowout duct in a location where the air will circulate to the entire room.

●Conduct the installation of the specific blowout hole and the connection of the duct before attaching them to the ceiling.

●Insulate the area where the duct is secured by a band for dew condensation prevention.



⑤Make sure provide an inspection hole on the ceiling. It is indispensable to service elecric equipment, motor, functional components and cleaning of heat exchanger.



Bad example of duct work

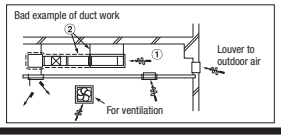
①If a duct is not provided at the suction side but it is substituted with the space over the ceiling, humidity in the space will increase by the influence of capacity of ventilation fan, strength of wind blowing against the out door air louver, weather (rainy day) and others.

a)Moisture in air is likely to condense over the external plates of the unit and to drip on the ceiling. Unit should be operated under the conditions as listed in the above table and within the limitation of wind volume. When the building is a concrete structure, especially immediately after the construction, humidity tends to rise even if the space over the ceiling is not substituted in place of a duct. In such occasion, it is necessary to insulate the entire unit with glass wool (25mm). (Use a wire net or equivalent to hold the glass wool in place.)

b)It may run out the allowable limit of unit operation (Example: When outdoor air temperature is 35°C DB, suction air temperature is 27°C WB) and it could result in such troubles as compressor overload, etc..

c)There is a possibility that the blow air volume may exceed the allowable range of operation due to the capacity of ventilation fan or strength of wind blowing against external air louver so that drainage from be heat exchanger may fall to reach the drain pan but leak outside (Example: drip on to the ceiling) with consequential water leakage in the room.

②If vibration damping is not conducted between the unit and the duct, and between the unit and the slab, vibration will be transmitted to the duct and vibration noise may occur. Also, vibration may be transmitted from the unit to the slab. Vibration damping must be performed.



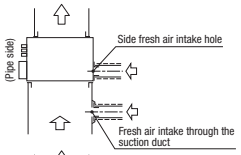
⑤Duct Work (continued)

Connecting the air intake/vent ducts

①Fresh Air Intake

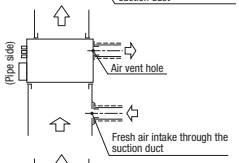
[for air intake duct only]

○Use the side fresh air intake hole, or supply through a part of the suction duct.



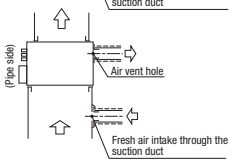
[for simultaneous air intake/vent]

○Intake air through the suction duct.
(the side cannot be used)



②Air Vent

○Use the side air vent hole.
(always use together with the air intake)



○Insulate the duct to protect it from dew condensation.

⑥Refrigerant pipe

Caution

●Use the new refrigerant pipe.
When re-using the existing pipe system for R22 or R407C, pay attention to the following items.
・Change the flare nuts with the attached ones (JIS category 2), and reprocess the flare parts.
・Do not use thin-walled pipes.

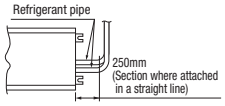
●Use phosphorus deoxidized copper alloy seamless pipe (C1220T specified in JIS H3300) for refrigeration pipe installation.
In addition, make sure there is no damage both inside and outside of the pipe, and no harmful substances such as sulfur, oxide, dust or a contaminant stuck on the pipes.

●Do not use any refrigerant other than R410A.
Using other refrigerant except R410A (R22 etc.) may degrade inside refrigeration oil. And air getting into refrigeration circuit may cause over-pressure and resultant it may result in bursting, etc.

●Store the copper pipes indoors and seal the both end of them until they are brazed in order to avoid any dust, dirt or water getting into pipe. Otherwise it will cause degradation of refrigeration oil and compressor breakdown, etc.

●Use special tools for R410 refrigerant.

Piping work

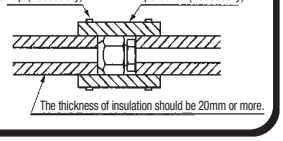


When conducting piping work, make sure to allow the pipes to be aligned in a straight line for at least 250 mm, as shown in the left illustration. (This is necessary for the drain pump to function)

Work procedure

1. Remove the flare nut and blind flanges on the pipe of the indoor unit.
※ Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them. (Gas may come out at this time, but it is not abnormal.)
● Pay attention whether the flare nut pops out. (as the indoor unit is sometimes pressured.)
2. Make a flare on liquid pipe and gas pipe, and connect the refrigeration pipes on the indoor unit.
※Bend the pipe with as big radius as possible and do not bend the pipe repeatedly. In addition, do not twist and crush the pipes.
※Do a flare connection as follows:
● Make sure to loosen the flare nut with holding the nut on pipe side with a spanner and giving torque to the nut with another spanner in order to avoid unexpected stress to the copper pipe, and then remove them.
● When fastening the flare nut, align the refrigeration pipe with the center of flare nut, screw the nut for 3-4 times by hand and then tighten it by spanner with the specified torque mentioned in the table below. Make sure to hold the pipe on the indoor unit securely by a spanner when tightening the nut in order to avoid unexpected stress on the copper pipe.
3. Cover the flare connection part of the indoor unit with attached insulation material after a gas leakage inspection, and tighten both ends with attached straps.
●Make sure to insulate both gas pipes and liquid pipes completely.
※Incomplete insulation may cause dew condensation or water dropping.
4. Refrigerant is charged in the outdoor unit.
As for the additional refrigerant charge for the indoor unit and piping, refer to the installation manual attached to the outdoor unit.

Pipe diameter	Tightening torque N·m
ϕ 6.35	14 to 18
ϕ 9.52	34 to 42
ϕ 12.7	49 to 61
ϕ 15.88	68 to 82
ϕ 19.05	100 to 120



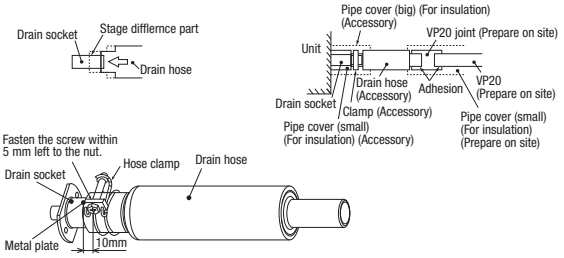
⑦Drain pipe

Caution

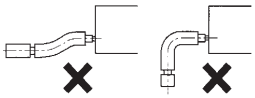
- Install the drain pipe according to the installation manual in order to drain properly. Imperfection in draining may cause flood indoors and wetting the household goods, etc.
- Do not put the drain pipe directly into the ditch where toxic gas such as sulfur, the other harmful and inflammable gas is generated. Toxic gas would flow into the room and it would cause serious damage to user's health and safety (some poisoning or deficiency of oxygen). In addition, it may cause corrosion of heat exchanger and bad smell.
- Connect the pipe securely to avoid water leakage from the joint.
- Insulate the pipe properly to avoid condensation drop.
- Check if the water can flow out properly from both the drain outlet on the indoor unit and the end of the drain pipe after installation.
- Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway. In addition, do not put air vent on the drain pipe. Check if water is drained out properly from the pipe during commissioning. Also, keep sufficient space for inspection and maintenance.

Work procedure

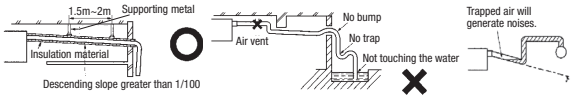
1. Make sure to insert the drain hose (the end mode of soft PVC) to the end of the step part of drain socket.
   Attach the hose clamp to the drain hose around 10mm from the end, and fasten the screw within 5mm left to the nut.
   - ●Do not apply adhesives on this end.
   - ●Do not use acetone-based adhesives to connect to the drain socket.



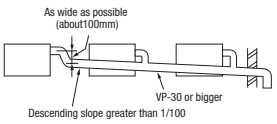
2. Prepare a joint for connecting VP-20 pipe, adhere and connect the joint to the drain hose (the end made of rigid PVC), and adhere and connect VP-20 pipe (prepare on site).
   ※As for drain pipe, apply VP-20 made of rigid PVC which is on the market.
   - ●Make sure that the adhesive will not get into the supplied drain hose. It may cause the flexible part broken after the adhesive is dried up and gets rigid.
   - ●The flexible drain hose is intended to absorb a small difference at installation of the unit or drain pipes. Intentional bending, expanding may cause the flexible hose broken and water leakage.



3. Make sure to make descending slope of greater than 1/100 and do not make up-down bend and/or trap in the midway.
   - ●Pay attention not to give stress on the pipe on the indoor unit side, and support and fix the pipe as close place to the unit as possible when connecting the drain pipe.
   - ●Do not set up air vent.



●When sharing a drain pipe for more than one unit, lay the main pipe 100mm below the drain outlet of the unit. In addition, select VP-30 or bigger size for main drain pipe.

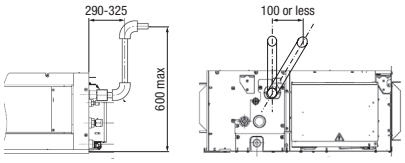


4. Insulate the drain pipe.
   - ●Be sure to insulate the drain socket and rigid PVC pipe installed indoors otherwise it may cause dew condensation and water leakage.
     ※After drainage test implementation, cover the drain socket part with pipe cover (small size), then use the pipe cover (big size) to cover the pipe cover (small size), clamps and part of the drain hose, and fix and wrap it with tapes to wrap and make joint part gapless.

⑦Drain pipe (continued)

Drain up

- The position for drain pipe outlet can be raised up to 600mm above the ceiling. Use elbows for installation to avoid obstacles inside ceiling. If the horizontal drain pipe is too long before vertical pipe, the backflow of water will increase when the unit is stopped, and it may cause overflow of water from the drain pan on the indoor unit. In order to avoid overflow, keep the horizontal pipe length and offset of the pipe within the limit shown in the figure below.



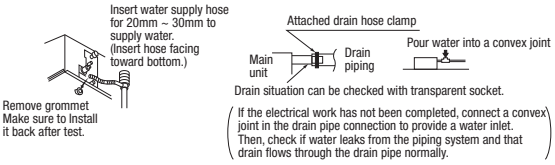
Otherwise, the construction point makes it same as drain pipe construction.

Drain test

1. Conduct a drain test after completion of the electrical work.
2. During the trail, make sure that drain flows properly through the piping and that no water leaks from connections.
3. In case of a new building, conduct the test before it is furnished with the ceiling.
4. Be sure to conduct this test even when the unit is installed in the heating season.

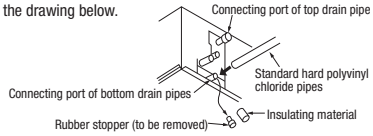
Procedures

1. Supply about 1000 cc of water to the unit through the air outlet by using a feed water pump.
2. Check the drain while cooling operation.



Outline of bottom drain piping work

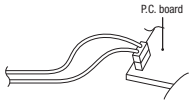
- If the bottom drain piping can be done with a descending gradient (1/50-1/100), it is possible to connect the pipes as shown in the drawing below.



Uncoupling the drain motor connector

- Uncouple the connector CNR for the drain motor as illustrated in the drawing on the right.

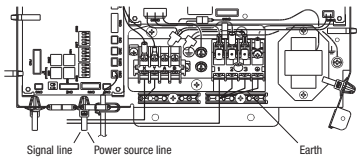
(Note: If the unit is run with the connector coupled, drain water will be discharged from the upper drain pipe joint, causing a water leak.)



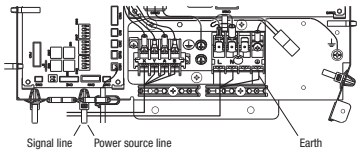
⑧Wiring-out position and wiring connection

- Electrical installation work must be performed according to the installation manual by an electrical installation service provider qualified by a power provider of the country, and be executed according to the technical standards and other regulations applicable to electrical installation in the country.
  Be sure to use an exclusive circuit.
- Use specified cord, fasten the wiring to the terminal securely, and hold the cord securely in order not to apply unexpected stress on the terminal.
- Do not put both power source line and signal line on the same route. It may cause miscommunication and malfunction.
- For the details of electrical wiring work, see attached instruction manual for electrical wiring work.

1. Remove a lid of the control box (2 screws).
2. Hold each wiring inside the unit and fasten them to terminal block securely.
3. Fix the wiring with clamps.
4. Install the removed parts back to original place.



Single unit wiring connection



Multi unit wiring connection

⑨External static pressure setting

You can set External Static Pressure (E.S.P.) by either method of MANUAL SETTING or AUTOMATIC SETTING by remote controller.
Indoor unit will control fan-speed to keep rated air flow volume at each fan speed setting (Lo-Uhi)

1. MANUAL SETTING
   You can set required E.S.P. by wired remote controller that calculated with the set air flow rate and pressure loss of the duct connected.
   Select No.1-10 (10Pa-100Pa) from following table according to calculation result.
   Refer to technical manual for details of air flow characteristic.

Setting No.	1	2	3	4	5	6	7	8	9	10
External Static Pressure (Pa)	10	20	30	40	50	60	70	80	90	100

※ When you set No.11-19 by remote controller, unit will control fan-speed with setting of No.10 Factory default is at No.5.

- How to set E.S.P by wired remote controller
  ① Push "◆" marked button(E.S.P button).
  ② Select indoor unit No. by using ⬍ button.
  ③ Select setting No. by using ⬍ button and set E.S.P. by ⊙ button.
  See detailed procedure in technical manual.

Notice
You can NOT set E.S.P by wireless remote controller.

Caution
Be sure to set E.S.P. according to actual duct connected.
Wrong settings causes excessive air flow volume or water drop blown out.

2. AUTOMATIC SETTING
   Indoor unit will recognize E.S.P. by itself automatically and select appropriate fan speed No.1-10.

- How to start automatic setting
  ①, ②Same setting as MANUAL SETTING.
  ③ Select [AUT] by using ⬍ button and press button ⊙.
  ② After setting E.S.P. at "AUT", operate unit in FAN mode with certain fan speed (Lo-Uhi).

⑨External static pressure setting (continued)

Indoor unit fan will run automatically and recognize E.S.P. by itself.
The operation for automatic E.S.P recognition will last about 6 minutes, and it will be stopped after recognition is completed.

Caution
- Be sure to execute AUTOMATIC SETTING by remote controller AFTER ducting work is completed. When duct specification is changed after AUTOMATIC SETTING, be sure to execute AUTOMATIC SETTING again after power resetting and turning on again.
- Be sure to execute AUTOMATIC SETTING before trial cooling operation.
  (See ELECTRICAL WIRING WORK INSTRUCTION about trial cooling operation)
- Before AUTOMATIC SETTING, be sure to check that return air filter in duct is installed and damper is opened.
  Wrong procedure causes excessive air flow or water drop blown out.

Notice
- During operation for automatic recognition (the Auto Operation), fan rotates with certain speeds regardless of set fan speed by remote controller.
- When duct is set with low static pressure (around 10-50Pa), even if indoor unit operate with higher air flow volume than rated one, but it is not abnormal.
- When you changed operation mode or stop operation with ON/OFF button during Auto Operation, the Auto operation will be canceled.
- In such case, be sure to execute AUTOMATIC SETTING again according to above procedure.

⑩Check list after installation

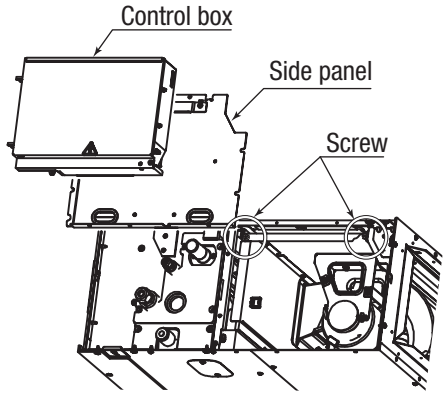
●Check the following items after all installation work completed.

Check if	Expected trouble	Check
The indoor and outdoor units are fixed securely?	Falling, vibration, noise	
Inspection for leakage is done?	Insufficient capacity	
Insulation work is properly done?	Water leakage	
Water is drained properly?	Water leakage	
Supply voltage is same as mentioned in the model name plate?	PCB burnt out, not working at all	
No mis-wiring or mis-connection of piping?	PCB burnt out, not working at all	
Earth wiring is connected properly?	Electric shock	
Cable size comply with specified size?	PCB burnt out, not working at all	
Any obstacle blocks airflow on air inlet and outlet?	Insufficient capacity	
Is setting of E.S.P finished?	Excessive air flow, water drop blow out	

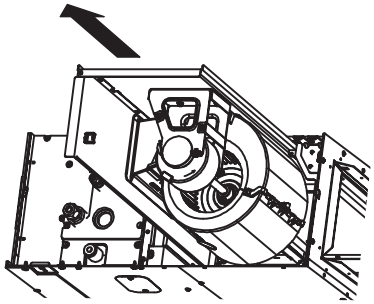
(2) Replacement procedure of the fan unit

Notes(1) The unit is a heavy item. It must be supported securely and handled with care not to drop when it is necessary toreplace.
(2) For the maintenance space, to page xxx.

(a) Remove the control box and the side panel, and remove the screws marked in the circles (2 places) in the figure.

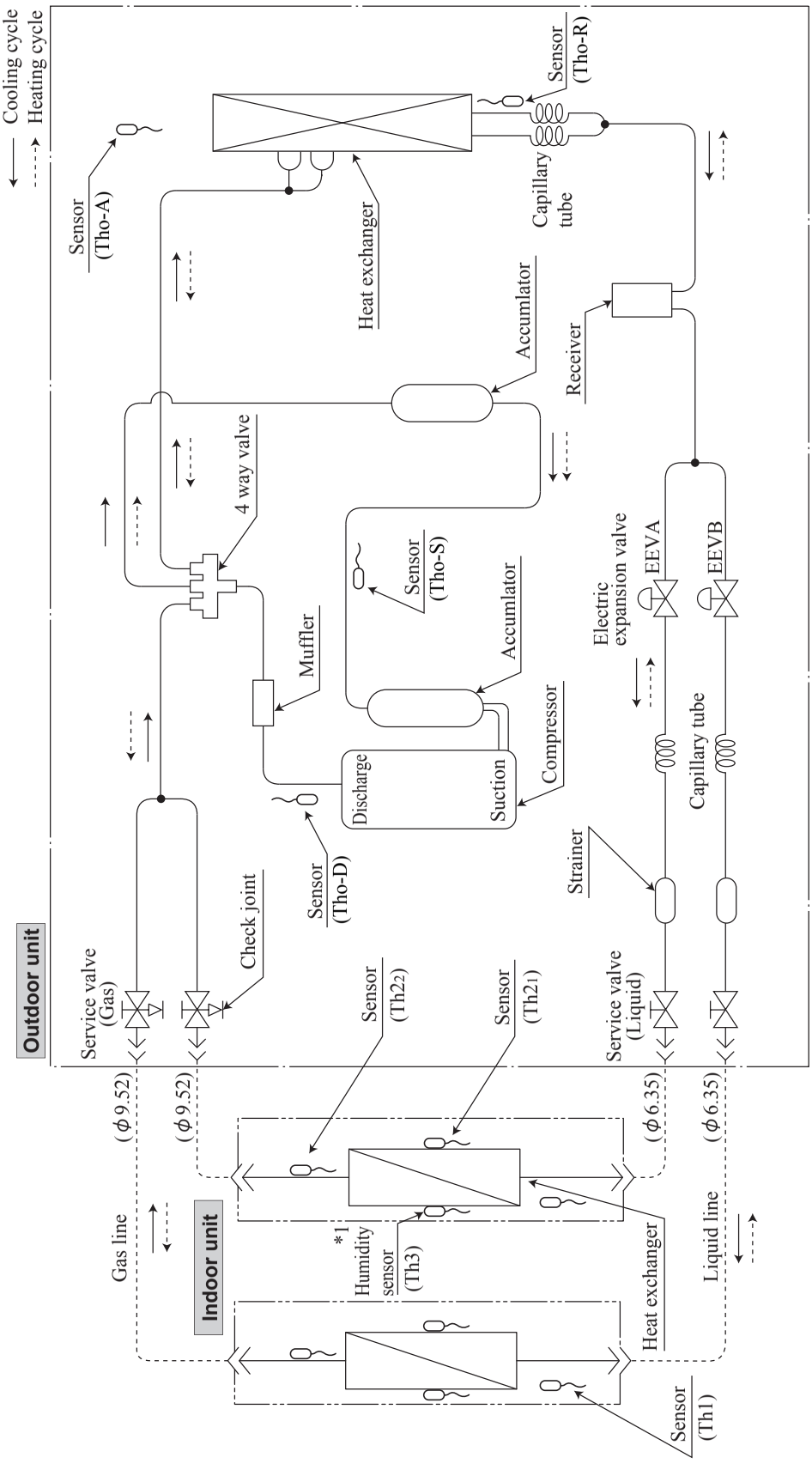


(b) Take out the fan unit in the arrow direction.



3. PIPING SYSTEMS

Models SCM40ZJ-S, 45ZJ-S



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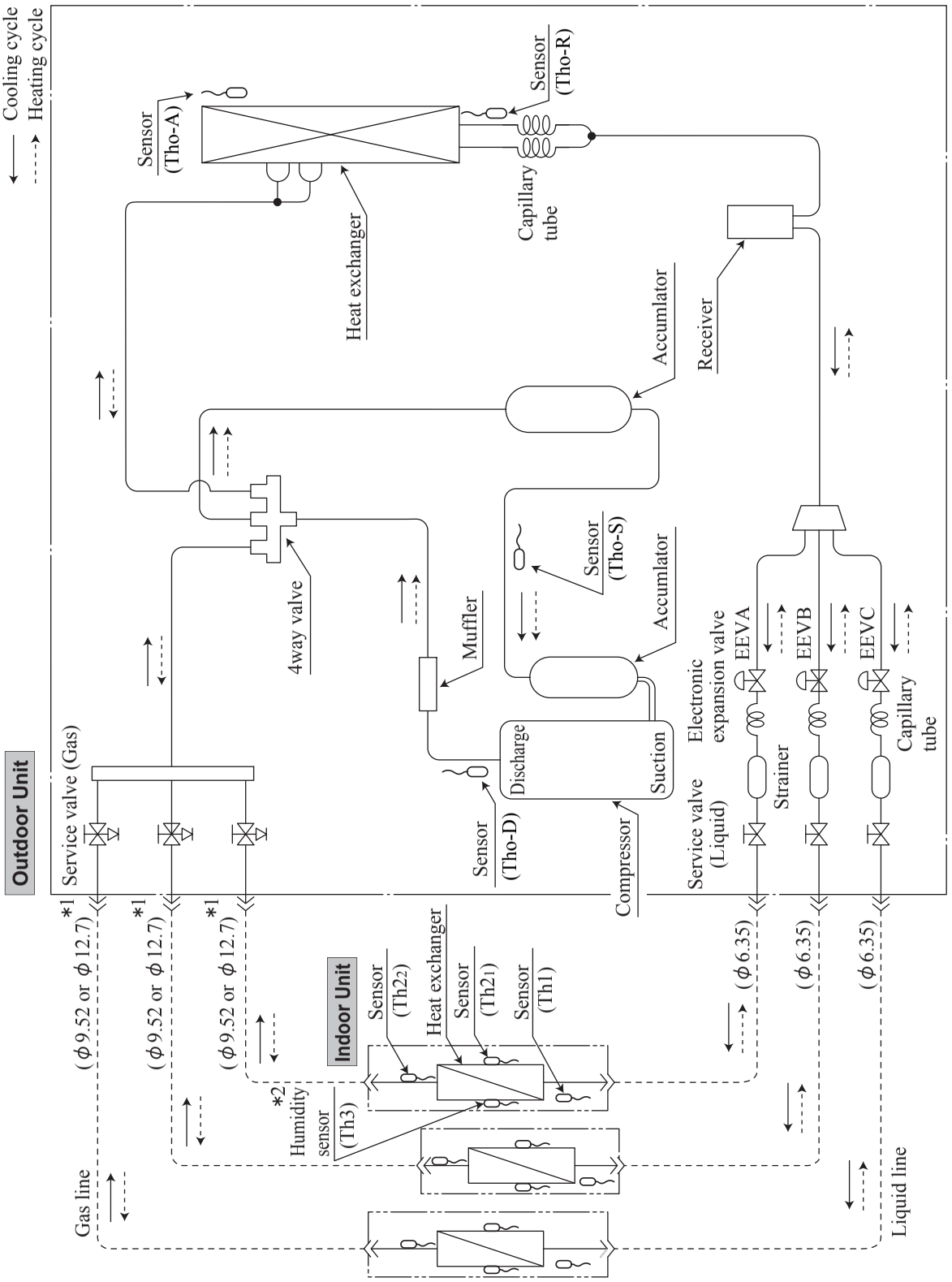
Models SCM50ZJ-S1, 60ZJ-S1



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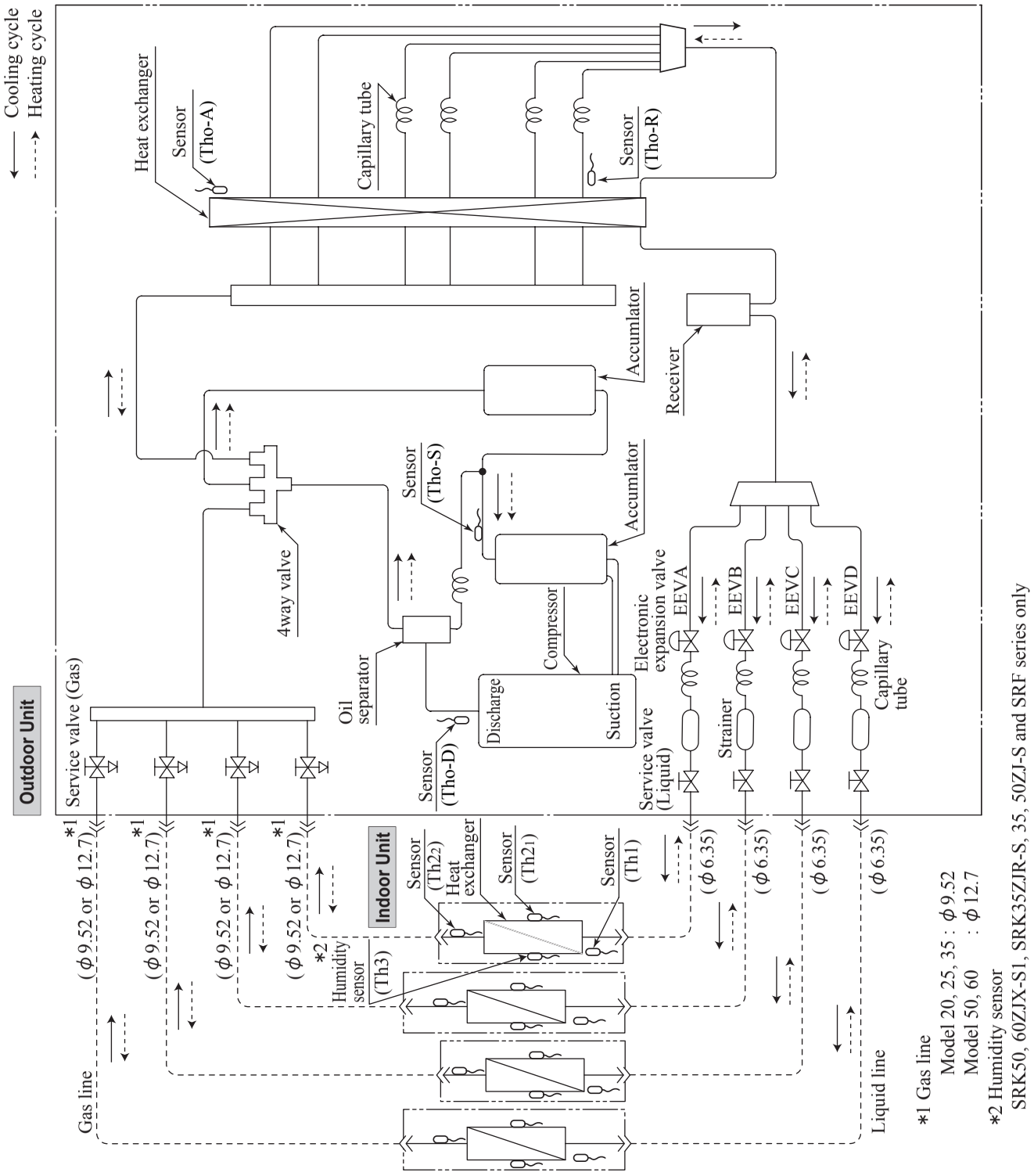
Models SCM71ZJ-S1, 80ZJ-S1



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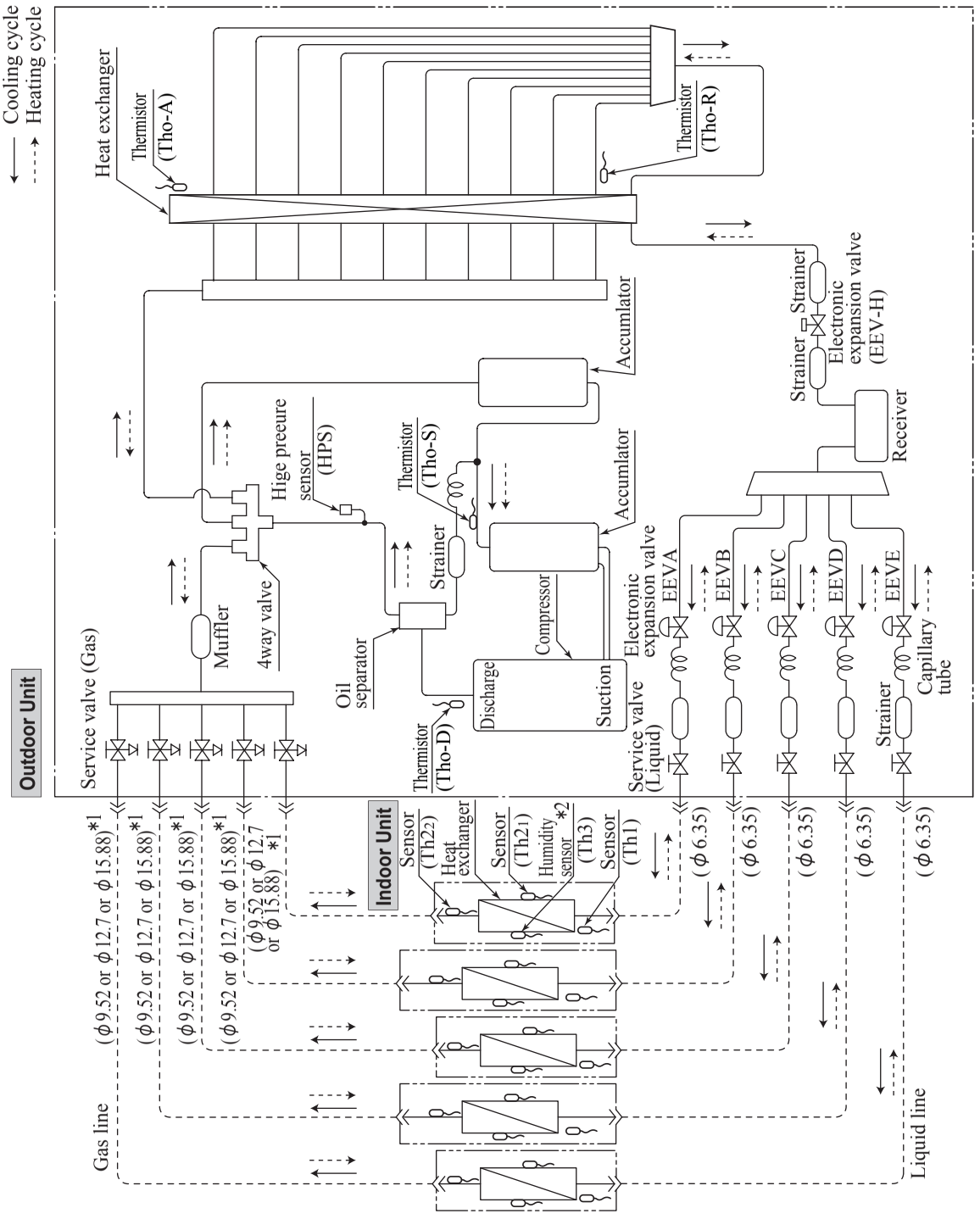
Model SCM100ZJ-S1

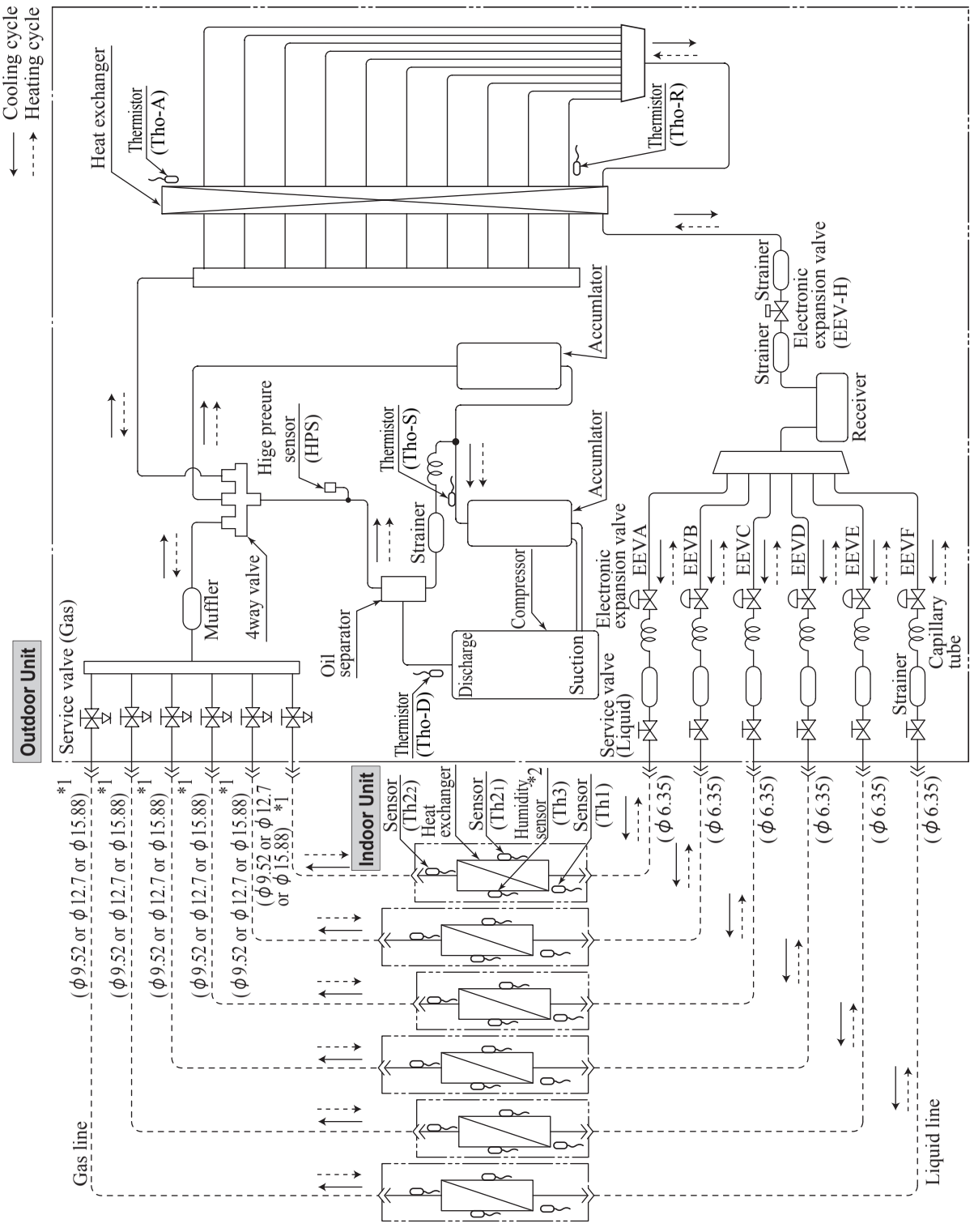


*1 Gas line 20, 25, 35 type : φ9.52
50, 60 type : φ12.7
71 type : φ15.88

*2 Humidity sensor
SRK50,60ZJX-S1,35ZJR-S,35,50ZJ-S,71ZK-S and SRF series only.

*

Model SCM125ZJ-S1



*2 Humidity sensor
SRK50,60ZJX-S1,35ZJR-S,35,50ZJ-S,71ZK-S and SRF series only.

*2 Gas line 20, 25, 35 type : ϕ9.52
50, 60 type : ϕ12.7
71 type : ϕ15.88

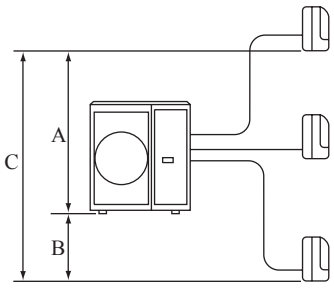
*

4. RANGE OF USAGE & LIMITATIONS

Models SCM40, 45, 50, 60

Item \ Models			SCM40ZJ-S	SCM45ZJ-S	SCM50ZJ-S1	SCM60ZJ-S1
Indoor intake air temperature (Upper, lower limits)		Cooling	Approximately 18 to 32℃			
		Heating	Approximately 15 to 30℃			
Outdoor air temperature (Upper, lower limits)		Cooling	Approximately -15 to 43℃			
		Heating	Approximately -15 to 24℃			
Indoor units that can be used in combination	Number of connected units		2 units		2 to 3 units	
	Total of indoor Units (class kW)		6.0kW	7.0kW	8.5kW	11.0kW
Total length for all rooms			Max. 30m		Max. 40m	
Length for one indoor unit			Max. 25m			
Difference in height between indoor and outdoor units	When indoor unit is above outdoor unit (A)		Max. 15m			
	When indoor unit is below outdoor unit (B)		Max. 15m			
Difference in height between indoor units (C)			Max. 25m			
Compressor stop/start frequency	1 cycle time		8 min or more (from stop to stop or from start to start)			
	Stop time		3 min or more			
Power source voltage	Voltage fluctuation		Within ±10% of rated voltage			
	Voltage drop during start		Within ±15% of rated voltage			
	Interval unbalance		Within ±3% of rated voltage			
Power cable length			32m(1)			

Note(1) The cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the internal cabling regulations. Adapt it to the regulation in effect in each country.



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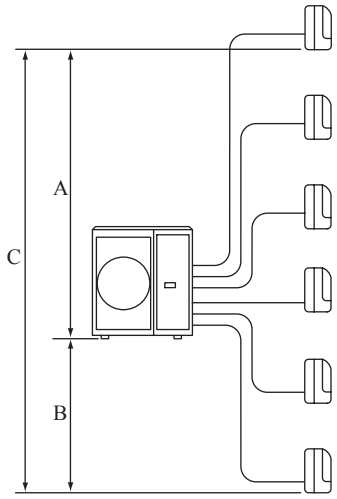
Models SCM71, 80, 100, 125

Item \ Models			SCM71ZJ-S1	SCM80ZJ-S1	SCM100ZJ-S1	SCM125ZJ-S1
Indoor intake air temperature (Upper, lower limits)		Cooling	Approximately 18 to 32℃			
		Heating	Approximately 15 to 30℃			
Outdoor air temperature (Upper, lower limits)		Cooling	Approximately -15 to 43℃			
		Heating	Approximately -15 to 24℃			
Indoor units that can be used in combination	Number of connected units		2 to 4 units		4(1) to 5 units	4(1) to 6 units
	Total of indoor Units (class kW)		12.5kW	13.5kW	16.0kW	19.5kW
Total length for all rooms			Max. 70m		Max. 90m	
Length for one indoor unit			Max. 25m			
Difference in height between indoor and outdoor units	When indoor unit is above outdoor unit (A)		Max. 20m			
	When indoor unit is below outdoor unit (B)		Max. 20m			
Difference in height between indoor units (C)			Max. 25m			
Compressor stop/start frequency	1 cycle time		8 min or more (from stop to stop or from start to start)			
	Stop time		3 min or more			
Power source voltage	Voltage fluctuation		Within ±10% of rated voltage			
	Voltage drop during start		Within ±15% of rated voltage			
	Interval unbalance		Within ±3% of rated voltage			
Power cable length			32m(2)			

Notes(1) In case of combination with SRK-ZJX-S, SRK71ZK-S, FDEN50VD only, 3 Indoor units can be connectable.
In case of SRK71ZK-S＋SRK71ZK-S, 2 Indoor units can be connectable.

(2) The cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the internal cabling regulations. Adapt it to the regulation in effect in each country.



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5. TABLE OF INDOOR UNIT COMBINATIONS

- The combinations of the indoor units is indicated by numbers. They are read as follows.
  (Example) SRK20ZJX-S→20 SRK25ZJX-S→25
- The capacity of the indoor units is shown by rooms. If this exceeds the maximum capacity of the outdoor unit, the demand capacity will be proportionally distributed.
- If units are to be combined, use the table below to make the proper selection.

・Number of connectable indoor units

	SCM40ZJ-S,45ZJ-S	SCM50ZJ-S1,60ZJ-S1	SCM71ZJ-S1,80ZJ-S1	SCM100ZJ-S1	SCM125ZJ-S1
MIN	2	2	2	4(1)	4(1)
MAX	2	3	4	5	6

Note(1) In case of combination with SRK-ZJX-S, SRK71ZK-S, FDEN50VD only, 3 Indoor units can be connectable.
In case of SRK71ZK-S＋SRK71ZK-S, 2 Indoor units can be connectable.

(1) Model SCM40ZJ-S

(a) Indoor unit SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)					Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	2.0	-	1.8	2.0	2.8	490	530	880	2.4	2.3	2.2
	25	2.5	-	1.8	2.5	3.4	490	670	1040	3.1	2.9	2.8
	35	3.5	-	1.8	3.5	3.9	490	970	1200	4.5	4.3	4.1
2 room	20 + 20	2.00	2.00	3.0	4.0	5.7	560	840	1750	3.9	3.7	3.5
	20 + 25	2.00	2.50	3.0	4.5	5.9	560	1040	1900	4.8	4.6	4.4
	20 + 35	1.89	3.31	3.0	5.2	5.9	560	1430	1900	6.6	6.3	6.0
	25 + 25	2.50	2.50	3.0	5.0	5.9	560	1280	1900	5.9	5.6	5.4
	25 + 35	2.17	3.03	3.0	5.2	5.9	560	1430	1900	6.6	6.3	6.0

<Heating>

Indoor unit combination		Heating capacity (kW)					Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	3.0	-	1.4	3.0	3.7	470	750	1070	3.4	3.3	3.2
	25	3.4	-	1.4	3.4	4.2	470	920	1210	4.2	4.0	3.9
	35	4.5	-	1.4	4.5	5.0	470	1210	1450	5.6	5.3	5.1
2 room	20 + 20	2.25	2.25	2.0	4.5	6.9	530	900	2300	4.1	4.0	3.8
	20 + 25	2.49	3.11	2.0	5.6	6.9	530	1200	2300	5.5	5.3	5.1
	20 + 35	2.11	3.69	2.0	5.8	6.9	530	1290	2300	5.9	5.7	5.4
	25 + 25	2.90	2.90	2.0	5.8	6.9	530	1290	2300	5.9	5.7	5.4
	25 + 35	2.42	3.38	2.0	5.8	6.9	530	1290	2300	5.9	5.7	5.4

(b) Indoor unit except SRK∗∗ZJX-S models

<Cooling>

Indoor unit combination		Cooling capacity (kW)					Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	2.0	-	1.8	2.0	2.7	490	560	880	2.6	2.5	2.4
	25	2.5	-	1.8	2.5	3.2	490	710	1040	3.3	3.1	3.0
	35	3.5	-	1.8	3.5	3.7	490	1030	1200	4.7	4.5	4.3
2 room	20 + 20	2.00	2.00	3.0	4.0	5.6	560	880	1750	4.0	3.9	3.7
	20 + 25	2.00	2.50	3.0	4.5	5.8	560	1090	1900	5.0	4.8	4.6
	20 + 35	1.89	3.31	3.0	5.2	5.8	560	1500	1900	6.9	6.6	6.3
	25 + 25	2.50	2.50	3.0	5.0	5.8	560	1340	1900	6.2	5.9	5.6
	25 + 35	2.17	3.03	3.0	5.2	5.8	560	1500	1900	6.9	6.6	6.3

<Heating>

Indoor unit combination		Heating capacity (kW)					Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	3.0	-	1.4	3.0	3.5	470	900	1070	4.1	4.0	3.8
	25	3.4	-	1.4	3.4	4.0	470	1070	1210	4.9	4.7	4.5
	35	4.5	-	1.4	4.5	4.8	470	1340	1450	6.2	5.9	5.6
2 room	20 + 20	2.25	2.25	2.0	4.5	6.7	530	930	2300	4.3	4.1	3.9
	20 + 25	2.49	3.11	2.0	5.6	6.7	530	1240	2300	5.7	5.4	5.2
	20 + 35	2.11	3.69	2.0	5.8	6.7	530	1330	2300	6.1	5.8	5.6
	25 + 25	2.90	2.90	2.0	5.8	6.7	530	1330	2300	6.1	5.8	5.6
	25 + 35	2.42	3.38	2.0	5.8	6.7	530	1330	2300	6.1	5.8	5.6

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(2) Model SCM45ZJ-S

(a) Indoor unit SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)					Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	2.0	-	1.8	2.0	2.8	490	530	880	2.4	2.3	2.2
	25	2.5	-	1.8	2.5	3.4	490	670	1040	3.1	2.9	2.8
	35	3.5	-	1.8	3.5	3.9	490	970	1200	4.5	4.3	4.1
2 room	20 + 20	2.00	2.00	3.0	4.0	5.7	560	840	1750	3.9	3.7	3.5
	20 + 25	2.00	2.50	3.0	4.5	5.9	560	1040	1900	4.8	4.6	4.4
	20 + 35	2.00	3.50	3.0	5.5	6.3	560	1490	2110	6.8	6.5	6.3
	25 + 25	2.50	2.50	3.0	5.0	6.2	560	1280	2050	5.9	5.6	5.4
	25 + 35	2.42	3.38	3.0	5.8	6.4	560	1740	2140	8.0	7.6	7.3
	35 + 35	2.90	2.90	3.0	5.8	6.4	560	1740	2140	8.0	7.6	7.3

<Heating>

Indoor unit combination		Heating capacity (kW)					Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	3.0	-	1.4	3.0	3.7	470	750	1070	3.4	3.3	3.2
	25	3.4	-	1.4	3.4	4.2	470	920	1210	4.2	4.0	3.9
	35	4.5	-	1.4	4.5	5.0	470	1210	1450	5.6	5.3	5.1
2 room	20 + 20	2.25	2.25	2.0	4.5	7.4	530	900	2570	4.1	4.0	3.8
	20 + 25	2.49	3.11	2.0	5.6	7.4	530	1200	2570	5.5	5.3	5.1
	20 + 35	2.36	4.14	2.0	6.5	7.4	530	1500	2570	6.9	6.6	6.3
	25 + 25	3.25	3.25	2.0	6.5	7.4	530	1500	2570	6.9	6.6	6.3
	25 + 35	2.71	3.79	2.0	6.5	7.4	530	1500	2570	6.9	6.6	6.3
	35 + 35	3.25	3.25	2.0	6.5	7.4	530	1500	2570	6.9	6.6	6.3

(b) Indoor unit except SRK**ZJX-S models

<Cooling>

Indoor unit combination		Cooling capacity (kW)					Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	2.0	-	1.8	2.0	2.7	490	560	880	2.6	2.5	2.4
	25	2.5	-	1.8	2.5	3.2	490	710	1040	3.3	3.1	3.0
	35	3.5	-	1.8	3.5	3.7	490	1030	1200	4.7	4.5	4.3
2 room	20 + 20	2.00	2.00	3.0	4.0	5.6	560	880	1750	4.0	3.9	3.7
	20 + 25	2.00	2.50	3.0	4.5	5.8	560	1090	1900	5.0	4.8	4.6
	20 + 35	2.00	3.50	3.0	5.5	6.2	560	1560	2110	7.2	6.9	6.6
	25 + 25	2.50	2.50	3.0	5.0	6.1	560	1340	2050	6.2	5.9	5.6
	25 + 35	2.42	3.38	3.0	5.8	6.3	560	1820	2140	8.4	8.0	7.7
	35 + 35	2.90	2.90	3.0	5.8	6.3	560	1820	2140	8.4	8.0	7.7

<Heating>

Indoor unit combination		Heating capacity (kW)					Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	Min.	Standard	Max.						
1 room	20	3.0	-	1.4	3.0	3.5	470	900	1070	4.1	4.0	3.8
	25	3.4	-	1.4	3.4	4.0	470	1070	1210	4.9	4.7	4.5
	35	4.5	-	1.4	4.5	4.8	470	1340	1450	6.2	5.9	5.6
2 room	20 + 20	2.25	2.25	2.0	4.5	7.2	530	930	2570	4.3	4.1	3.9
	20 + 25	2.49	3.11	2.0	5.6	7.2	530	1240	2570	5.7	5.4	5.2
	20 + 35	2.36	4.14	2.0	6.5	7.2	530	1550	2570	7.1	6.8	6.5
	25 + 25	3.25	3.25	2.0	6.5	7.2	530	1550	2570	7.1	6.8	6.5
	25 + 35	2.71	3.79	2.0	6.5	7.2	530	1550	2570	7.1	6.8	6.5
	35 + 35	3.25	3.25	2.0	6.5	7.2	530	1550	2570	7.1	6.8	6.5

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(3) Model SCM50ZJ-S1

(a) Indoor unit SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)						Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	max.						
1 room	20	2.0	-	-	1.8	2.0	2.8	500	550	900	2.5	2.4	2.3
	25	2.5	-	-	1.8	2.5	3.4	500	720	1070	3.3	3.2	3.0
	35	3.5	-	-	1.8	3.5	3.9	500	1080	1230	5.0	4.7	4.5
	50	5.0	-	-	1.8	5.0	5.5	500	1700	2000	7.8	7.5	7.2
2 room	20 + 20	2.00	2.00	-	3.0	4.0	5.7	570	910	1800	4.2	4.0	3.8
	20 + 25	1.91	2.39	-	3.0	4.3	5.9	570	1070	1980	4.9	4.7	4.5
	20 + 35	1.82	3.18	-	3.0	5.0	6.2	570	1430	2070	6.6	6.3	6.0
	20 + 50	1.71	4.29	-	3.0	6.0	6.5	570	1960	2150	9.0	8.6	8.2
	25 + 25	2.35	2.35	-	3.0	4.7	6.2	570	1270	2070	5.8	5.6	5.3
	25 + 35	2.21	3.09	-	3.0	5.3	6.5	570	1600	2150	7.3	7.0	6.7
	25 + 50	2.00	4.00	-	3.0	6.0	6.5	570	1960	2150	9.0	8.6	8.2
	35 + 35	3.00	3.00	-	3.0	6.0	6.5	570	1960	2150	9.0	8.6	8.2
	35 + 50	2.47	3.53	-	3.0	6.0	6.5	570	1960	2150	9.0	8.6	8.2
3 room	20 + 20 + 20	1.67	1.67	1.67	3.4	5.0	7.1	690	1080	2150	5.0	4.7	4.5
	20 + 20 + 25	1.60	1.60	2.00	3.4	5.2	7.1	690	1160	2150	5.3	5.1	4.9
	20 + 20 + 35	1.49	1.49	2.61	3.4	5.6	7.1	690	1330	2150	6.1	5.8	5.6
	20 + 25 + 25	1.54	1.93	1.93	3.4	5.4	7.1	690	1260	2150	5.8	5.5	5.3
	20 + 25 + 35	1.45	1.81	2.54	3.4	5.8	7.1	690	1430	2150	6.6	6.3	6.0
	25 + 25 + 25	1.87	1.87	1.87	3.4	5.6	7.1	690	1330	2150	6.1	5.8	5.6
	25 + 25 + 35	1.76	1.76	2.47	3.4	6.0	7.1	690	1490	2150	6.8	6.5	6.3

<Heating>

Indoor unit combination		Heating capacity (kW)						Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	max.						
1 room	20	3.0	-	-	1.4	3.0	3.7	480	820	1100	3.8	3.6	3.5
	25	3.4	-	-	1.4	3.4	4.2	480	980	1240	4.5	4.3	4.1
	35	4.5	-	-	1.4	4.5	5.0	480	1280	1490	5.9	5.6	5.4
	50	5.8	-	-	1.4	5.8	6.2	480	1740	2260	8.0	7.6	7.3
2 room	20 + 20	2.95	2.95	-	2.0	5.9	7.3	540	1480	2580	6.8	6.5	6.2
	20 + 25	2.67	3.33	-	2.0	6.0	7.3	540	1530	2580	7.0	6.7	6.4
	20 + 35	2.29	4.01	-	2.0	6.3	7.3	540	1620	2580	7.4	7.1	6.8
	20 + 50	1.89	4.71	-	2.0	6.6	7.3	540	1710	2580	7.9	7.5	7.2
	25 + 25	3.05	3.05	-	2.0	6.1	7.3	540	1560	2580	7.2	6.9	6.6
	25 + 35	2.67	3.73	-	2.0	6.4	7.3	540	1650	2580	7.6	7.2	6.9
	25 + 50	2.20	4.40	-	2.0	6.6	7.3	540	1710	2580	7.9	7.5	7.2
	35 + 35	3.30	3.30	-	2.0	6.6	7.3	540	1710	2580	7.9	7.5	7.2
	35 + 50	2.72	3.88	-	2.0	6.6	7.3	540	1710	2580	7.9	7.5	7.2
3 room	20 + 20 + 20	2.00	2.00	2.00	3.0	6.0	7.5	600	1310	2580	6.0	5.8	5.5
	20 + 20 + 25	1.91	1.91	2.38	3.0	6.2	7.5	600	1400	2580	6.4	6.1	5.9
	20 + 20 + 35	1.76	1.76	3.08	3.0	6.6	7.5	600	1560	2580	7.2	6.9	6.6
	20 + 25 + 25	1.83	2.29	2.29	3.0	6.4	7.5	600	1470	2580	6.7	6.5	6.2
	20 + 25 + 35	1.70	2.13	2.98	3.0	6.8	7.5	600	1620	2580	7.4	7.1	6.8
	25 + 25 + 25	2.20	2.20	2.20	3.0	6.6	7.5	600	1560	2580	7.2	6.9	6.6
	25 + 25 + 35	2.06	2.06	2.88	3.0	7.0	7.5	600	1690	2580	7.8	7.4	7.1

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(b) Indoor unit except SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)						Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	max.						
1 room	20	2.0	-	-	1.8	2.0	2.7	500	580	900	2.7	2.5	2.4
	25	2.5	-	-	1.8	2.5	3.2	500	760	1070	3.5	3.3	3.2
	35	3.5	-	-	1.8	3.5	3.7	500	1140	1230	5.2	5.0	4.8
	50	5.0	-	-	1.8	5.0	5.3	500	1790	2000	8.2	7.9	7.5
2 room	20 + 20	2.00	2.00	-	3.0	4.0	5.6	570	950	1800	4.4	4.2	4.0
	20 + 25	1.91	2.39	-	3.0	4.3	5.8	570	1110	1980	5.1	4.9	4.7
	20 + 35	1.82	3.18	-	3.0	5.0	6.1	570	1490	2070	6.8	6.5	6.3
	20 + 50	1.71	4.29	-	3.0	6.0	6.3	570	2040	2150	9.4	9.0	8.6
	25 + 25	2.35	2.35	-	3.0	4.7	6.1	570	1320	2070	6.1	5.8	5.6
	25 + 35	2.21	3.09	-	3.0	5.3	6.3	570	1660	2150	7.6	7.3	7.0
	25 + 50	2.00	4.00	-	3.0	6.0	6.3	570	2040	2150	9.4	9.0	8.6
	35 + 35	3.00	3.00	-	3.0	6.0	6.3	570	2040	2150	9.4	9.0	8.6
	35 + 50	2.47	3.53	-	3.0	6.0	6.3	570	2040	2150	9.4	9.0	8.6
3 room	20 + 20 + 20	1.67	1.67	1.67	3.4	5.0	6.9	690	1120	2150	5.3	5.1	4.9
	20 + 20 + 25	1.60	1.60	2.00	3.4	5.2	6.9	690	1200	2150	5.7	5.4	5.2
	20 + 20 + 35	1.49	1.49	2.61	3.4	5.6	6.9	690	1370	2150	6.5	6.2	5.9
	20 + 25 + 25	1.54	1.93	1.93	3.4	5.4	6.9	690	1300	2150	6.2	5.9	5.6
	20 + 25 + 35	1.45	1.81	2.54	3.4	5.8	6.9	690	1470	2150	7.0	6.7	6.4
	25 + 25 + 25	1.87	1.87	1.87	3.4	5.6	6.9	690	1370	2150	6.5	6.2	5.9
	25 + 25 + 35	1.76	1.76	2.47	3.4	6.0	6.9	690	1540	2150	7.3	7.0	6.7

<Heating>

Indoor unit combination		Heating capacity (kW)						Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	max.						
1 room	20	3.0	-	-	1.4	3.0	3.5	480	1020	1100	4.7	4.5	4.3
	25	3.4	-	-	1.4	3.4	4.0	480	1180	1240	5.4	5.2	5.0
	35	4.5	-	-	1.4	4.5	4.8	480	1470	1490	6.7	6.5	6.2
	50	5.8	-	-	1.4	5.8	6.0	480	1910	2260	8.8	8.4	8.0
2 room	20 + 20	2.95	2.95	-	2.0	5.9	7.0	540	1510	2580	6.9	6.6	6.4
	20 + 25	2.67	3.33	-	2.0	6.0	7.0	540	1560	2580	7.2	6.9	6.6
	20 + 35	2.29	4.01	-	2.0	6.3	7.0	540	1650	2580	7.6	7.2	6.9
	20 + 50	1.89	4.71	-	2.0	6.6	7.0	540	1740	2580	8.0	7.6	7.3
	25 + 25	3.05	3.05	-	2.0	6.1	7.0	540	1590	2580	7.3	7.0	6.7
	25 + 35	2.67	3.73	-	2.0	6.4	7.0	540	1680	2580	7.7	7.4	7.1
	25 + 50	2.20	4.40	-	2.0	6.6	7.0	540	1740	2580	8.0	7.6	7.3
	35 + 35	3.30	3.30	-	2.0	6.6	7.0	540	1740	2580	8.0	7.6	7.3
	35 + 50	2.72	3.88	-	2.0	6.6	7.0	540	1740	2580	8.0	7.6	7.3
3 room	20 + 20 + 20	2.00	2.00	2.00	3.0	6.0	7.3	600	1340	2580	6.3	6.1	5.8
	20 + 20 + 25	1.91	1.91	2.38	3.0	6.2	7.3	600	1430	2580	6.8	6.5	6.2
	20 + 20 + 35	1.76	1.76	3.08	3.0	6.6	7.3	600	1600	2580	7.6	7.2	6.9
	20 + 25 + 25	1.83	2.29	2.29	3.0	6.4	7.3	600	1510	2580	7.1	6.8	6.6
	20 + 25 + 35	1.70	2.13	2.98	3.0	6.8	7.3	600	1660	2580	7.9	7.5	7.2
	25 + 25 + 25	2.20	2.20	2.20	3.0	6.6	7.3	600	1600	2580	7.6	7.2	6.9
	25 + 25 + 35	2.06	2.06	2.88	3.0	7.0	7.3	600	1730	2580	8.2	7.8	7.5

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(4) Model SCM60ZJ-S1

(a) Indoor unit SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)						Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	Max.						
1 room	20	2.0	-	-	1.8	2.0	2.8	500	540	950	2.5	2.4	2.3
	25	2.5	-	-	1.8	2.5	3.4	500	720	1080	3.3	3.2	3.0
	35	3.5	-	-	1.8	3.5	3.9	500	1090	1240	5.0	4.8	4.6
	50	5.0	-	-	1.8	5.0	5.8	500	1780	2100	8.2	7.8	7.5
	60	6.0	-	-	1.8	6.0	6.3	500	2260	2370	10.4	9.9	9.5
2 room	20 + 20	2.00	2.00	-	3.0	4.0	5.7	570	750	1750	3.4	3.3	3.2
	20 + 25	2.00	2.50	-	3.0	4.5	5.9	570	990	1910	4.5	4.3	4.2
	20 + 35	1.93	3.37	-	3.0	5.3	6.2	570	1550	2110	7.1	6.8	6.5
	20 + 50	1.89	4.71	-	3.0	6.6	6.9	570	2280	2390	10.5	10.0	9.6
	20 + 60	1.68	5.03	-	3.0	6.7	6.9	570	2320	2390	10.7	10.2	9.8
	25 + 25	2.45	2.45	-	3.0	4.9	6.2	570	1270	2110	5.8	5.6	5.3
	25 + 35	2.42	3.38	-	3.0	5.8	6.5	570	1840	2270	8.4	8.1	7.7
	25 + 50	2.23	4.47	-	3.0	6.7	6.9	570	2320	2390	10.7	10.2	9.8
	25 + 60	1.97	4.73	-	3.0	6.7	6.9	570	2320	2390	10.7	10.2	9.8
	35 + 35	3.30	3.30	-	3.0	6.6	6.9	570	2280	2390	10.5	10.0	9.6
	35 + 50	2.76	3.94	-	3.0	6.7	6.9	570	2320	2390	10.7	10.2	9.8
	35 + 60	2.47	4.23	-	3.0	6.7	6.9	570	2320	2390	10.7	10.2	9.8
	50 + 50	3.35	3.35	-	3.0	6.7	6.9	570	2320	2390	10.7	10.2	9.8
	50 + 60	3.05	3.65	-	3.0	6.7	6.9	570	2320	2390	10.7	10.2	9.8
3 room	20 + 20 + 20	1.90	1.90	1.90	3.6	5.7	7.5	690	1390	2390	6.6	6.3	6.0
	20 + 20 + 25	1.82	1.82	2.27	3.6	5.9	7.5	690	1410	2390	6.7	6.4	6.1
	20 + 20 + 35	1.60	1.60	2.80	3.6	6.0	7.5	690	1430	2390	6.8	6.5	6.2
	20 + 20 + 50	1.40	1.40	3.50	3.6	6.3	7.5	690	1480	2390	7.0	6.7	6.4
	20 + 20 + 60	1.28	1.28	3.84	3.6	6.4	7.5	690	1500	2390	7.1	6.8	6.5
	20 + 25 + 25	1.69	2.11	2.11	3.6	5.9	7.5	690	1410	2390	6.7	6.4	6.1
	20 + 25 + 35	1.53	1.91	2.67	3.6	6.1	7.5	690	1460	2390	6.9	6.6	6.3
	20 + 25 + 50	1.35	1.68	3.37	3.6	6.4	7.5	690	1500	2390	7.1	6.8	6.5
	20 + 25 + 60	1.26	1.57	3.77	3.6	6.6	7.5	690	1520	2390	7.2	6.9	6.6
	20 + 35 + 35	1.40	2.45	2.45	3.6	6.3	7.5	690	1480	2390	7.0	6.7	6.4
	20 + 35 + 50	1.26	2.20	3.14	3.6	6.6	7.5	690	1520	2390	7.2	6.9	6.6
	25 + 25 + 25	2.00	2.00	2.00	3.6	6.0	7.5	690	1430	2390	6.8	6.5	6.2
	25 + 25 + 35	1.79	1.79	2.51	3.6	6.1	7.5	690	1460	2390	6.9	6.6	6.3
	25 + 25 + 50	1.60	1.60	3.20	3.6	6.4	7.5	690	1500	2390	7.1	6.8	6.5
	25 + 25 + 60	1.52	1.52	3.65	3.6	6.7	7.5	690	1540	2390	7.3	7.0	6.7
	25 + 35 + 35	1.68	2.36	2.36	3.6	6.4	7.5	690	1500	2390	7.1	6.8	6.5
	25 + 35 + 50	1.52	2.13	3.05	3.6	6.7	7.5	690	1540	2390	7.3	7.0	6.7
	35 + 35 + 35	2.20	2.20	2.20	3.6	6.6	7.5	690	1520	2390	7.2	6.9	6.6

<Heating>

Indoor unit combination		Heating capacity (kW)						Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	Max.						
1 room	20	3.0	-	-	1.5	3.0	3.7	600	780	1330	3.6	3.4	3.3
	25	3.4	-	-	1.5	3.4	4.2	600	950	1510	4.4	4.2	4.0
	35	4.5	-	-	1.5	4.5	5.0	600	1290	1790	5.9	5.7	5.4
	50	5.8	-	-	1.5	5.8	6.4	600	1780	2310	8.2	7.8	7.5
	60	6.8	-	-	1.5	6.8	7.3	600	2120	2660	9.7	9.3	8.9
2 room	20 + 20	3.00	3.00	-	2.1	6.0	7.3	630	1490	2100	6.8	6.5	6.3
	20 + 25	2.71	3.39	-	2.1	6.1	7.5	630	1570	2550	7.2	6.9	6.6
	20 + 35	2.36	4.14	-	2.1	6.5	7.6	630	1680	3000	7.7	7.4	7.1
	20 + 50	2.00	5.00	-	2.1	7.0	7.6	630	1900	3000	8.7	8.3	8.0
	20 + 60	1.78	5.33	-	2.1	7.1	7.6	630	1940	3000	8.9	8.5	8.2
	25 + 25	3.15	3.15	-	2.1	6.3	7.6	630	1630	3000	7.5	7.2	6.9
	25 + 35	2.79	3.91	-	2.1	6.7	7.6	630	1760	3000	8.1	7.7	7.4
	25 + 50	2.37	4.73	-	2.1	7.1	7.6	630	1940	3000	8.9	8.5	8.2
	25 + 60	2.09	5.01	-	2.1	7.1	7.6	630	1940	3000	8.9	8.5	8.2
	35 + 35	3.50	3.50	-	2.1	7.0	7.6	630	1900	3000	8.7	8.3	8.0
	35 + 50	2.92	4.18	-	2.1	7.1	7.6	630	1940	3000	8.9	8.5	8.2
	35 + 60	2.62	4.48	-	2.1	7.1	7.6	630	1940	3000	8.9	8.5	8.2
	50 + 50	3.55	3.55	-	2.1	7.1	7.6	630	1940	3000	8.9	8.5	8.2
	50 + 60	3.23	3.87	-	2.1	7.1	7.6	630	1940	3000	8.9	8.5	8.2
3 room	20 + 20 + 20	2.20	2.20	2.20	3.2	6.6	7.8	660	1350	3000	6.4	6.1	5.9
	20 + 20 + 25	2.06	2.06	2.58	3.2	6.7	7.8	660	1390	3000	6.6	6.3	6.0
	20 + 20 + 35	1.81	1.81	3.17	3.2	6.8	7.8	660	1510	3000	7.1	6.8	6.6
	20 + 20 + 50	1.56	1.56	3.89	3.2	7.0	7.8	660	1690	3000	8.0	7.7	7.3
	20 + 20 + 60	1.44	1.44	4.32	3.2	7.2	7.8	660	1860	3000	8.8	8.4	8.1
	20 + 25 + 25	1.94	2.43	2.43	3.2	6.8	7.8	660	1510	3000	7.1	6.8	6.6
	20 + 25 + 35	1.73	2.16	3.02	3.2	6.9	7.8	660	1560	3000	7.4	7.1	6.8
	20 + 25 + 50	1.49	1.87	3.74	3.2	7.1	7.8	660	1740	3000	8.2	7.9	7.6
	20 + 25 + 60	1.37	1.71	4.11	3.2	7.2	7.8	660	1860	3000	8.8	8.4	8.1
	20 + 35 + 35	1.56	2.72	2.72	3.2	7.0	7.8	660	1690	3000	8.0	7.7	7.3
	20 + 35 + 50	1.37	2.40	3.43	3.2	7.2	7.8	660	1860	3000	8.8	8.4	8.1
	25 + 25 + 25	2.27	2.27	2.27	3.2	6.8	7.8	660	1510	3000	7.1	6.8	6.6
	25 + 25 + 35	2.06	2.06	2.88	3.2	7.0	7.8	660	1690	3000	8.0	7.7	7.3
	25 + 25 + 50	1.80	1.80	3.60	3.2	7.2	7.8	660	1860	3000	8.8	8.4	8.1
	25 + 25 + 60	1.64	1.64	3.93	3.2	7.2	7.8	660	1860	3000	8.8	8.4	8.1
	25 + 35 + 35	1.87	2.62	2.62	3.2	7.1	7.8	660	1740	3000	8.2	7.9	7.6
	25 + 35 + 50	1.64	2.29	3.27	3.2	7.2	7.8	660	1860	3000	8.8	8.4	8.1
	35 + 35 + 35	2.40	2.40	2.40	3.2	7.2	7.8	660	1860	3000	8.8	8.4	8.1

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(b) Indoor unit except SRK**ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)						Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	max.						
1 room	20	2.0	-	-	1.8	2.0	2.7	500	570	950	2.6	2.5	2.4
	25	2.5	-	-	1.8	2.5	3.2	500	760	1080	3.5	3.3	3.2
	35	3.5	-	-	1.8	3.5	3.7	500	1150	1240	5.3	5.1	4.8
	50	5.0	-	-	1.8	5.0	5.6	500	1860	2100	8.5	8.2	7.8
	60	6.0	-	-	1.8	6.0	6.1	500	2350	2370	10.8	10.3	9.9
2 room	20 + 20	2.00	2.00	-	3.0	4.0	5.6	570	800	1750	3.7	3.5	3.4
	20 + 25	2.00	2.50	-	3.0	4.5	5.8	570	1050	1910	4.8	4.6	4.4
	20 + 35	1.93	3.37	-	3.0	5.3	6.1	570	1620	2110	7.4	7.1	6.8
	20 + 50	1.89	4.71	-	3.0	6.6	6.8	570	2330	2390	10.7	10.2	9.8
	20 + 60	1.68	5.03	-	3.0	6.7	6.8	570	2370	2390	10.9	10.4	10.0
	25 + 25	2.45	2.45	-	3.0	4.9	6.1	570	1340	2110	6.2	5.9	5.6
	25 + 35	2.42	3.38	-	3.0	5.8	6.4	570	1920	2270	8.8	8.4	8.1
	25 + 50	2.23	4.47	-	3.0	6.7	6.8	570	2370	2390	10.9	10.4	10.0
	25 + 60	1.97	4.73	-	3.0	6.7	6.8	570	2370	2390	10.9	10.4	10.0
	35 + 35	3.30	3.30	-	3.0	6.6	6.8	570	2330	2390	10.7	10.2	9.8
	35 + 50	2.76	3.94	-	3.0	6.7	6.8	570	2370	2390	10.9	10.4	10.0
	35 + 60	2.47	4.23	-	3.0	6.7	6.8	570	2370	2390	10.9	10.4	10.0
	50 + 50	3.35	3.35	-	3.0	6.7	6.8	570	2370	2390	10.9	10.4	10.0
	50 + 60	3.05	3.65	-	3.0	6.7	6.8	570	2370	2390	10.9	10.4	10.0
3 room	20 + 20 + 20	1.90	1.90	1.90	3.6	5.7	7.3	690	1430	2390	6.8	6.5	6.2
	20 + 20 + 25	1.82	1.82	2.27	3.6	5.9	7.3	690	1450	2390	6.9	6.6	6.3
	20 + 20 + 35	1.60	1.60	2.80	3.6	6.0	7.3	690	1470	2390	7.0	6.7	6.4
	20 + 20 + 50	1.40	1.40	3.50	3.6	6.3	7.3	690	1520	2390	7.2	6.9	6.6
	20 + 20 + 60	1.28	1.28	3.84	3.6	6.4	7.3	690	1540	2390	7.3	7.0	6.7
	20 + 25 + 25	1.69	2.11	2.11	3.6	5.9	7.3	690	1450	2390	6.9	6.6	6.3
	20 + 25 + 35	1.53	1.91	2.67	3.6	6.1	7.3	690	1500	2390	7.1	6.8	6.5
	20 + 25 + 50	1.35	1.68	3.37	3.6	6.4	7.3	690	1540	2390	7.3	7.0	6.7
	20 + 25 + 60	1.26	1.57	3.77	3.6	6.6	7.3	690	1560	2390	7.4	7.1	6.8
	20 + 35 + 35	1.40	2.45	2.45	3.6	6.3	7.3	690	1520	2390	7.2	6.9	6.6
	20 + 35 + 50	1.26	2.20	3.14	3.6	6.6	7.3	690	1560	2390	7.4	7.1	6.8
	25 + 25 + 25	2.00	2.00	2.00	3.6	6.0	7.3	690	1470	2390	7.0	6.7	6.4
	25 + 25 + 35	1.79	1.79	2.51	3.6	6.1	7.3	690	1500	2390	7.1	6.8	6.5
	25 + 25 + 50	1.60	1.60	3.20	3.6	6.4	7.3	690	1540	2390	7.3	7.0	6.7
	25 + 25 + 60	1.52	1.52	3.65	3.6	6.7	7.3	690	1580	2390	7.5	7.2	6.9
	25 + 35 + 35	1.68	2.36	2.36	3.6	6.4	7.3	690	1540	2390	7.3	7.0	6.7
	25 + 35 + 50	1.52	2.13	3.05	3.6	6.7	7.3	690	1580	2390	7.5	7.2	6.9
	35 + 35 + 35	2.20	2.20	2.20	3.6	6.6	7.3	690	1560	2390	7.4	7.1	6.8

<Heating>

Indoor unit combination		Heating capacity (kW)						Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	Min.	Standard	max.						
1 room	20	3.0	-	-	1.5	3.0	3.5	600	970	1330	4.5	4.3	4.1
	25	3.4	-	-	1.5	3.4	4.0	600	1140	1510	5.2	5.0	4.8
	35	4.5	-	-	1.5	4.5	4.8	600	1480	1790	6.8	6.5	6.2
	50	5.8	-	-	1.5	5.8	6.1	600	1960	2310	9.0	8.6	8.2
	60	6.8	-	-	1.5	6.8	7.0	600	2250	2660	10.3	9.9	9.5
2 room	20 + 20	3.00	3.00	-	2.1	6.0	7.0	630	1520	2100	7.0	6.7	6.4
	20 + 25	2.71	3.39	-	2.1	6.1	7.2	630	1600	2550	7.3	7.0	6.7
	20 + 35	2.36	4.14	-	2.1	6.5	7.3	630	1710	3000	7.9	7.5	7.2
	20 + 50	2.00	5.00	-	2.1	7.0	7.3	630	1940	3000	8.9	8.5	8.2
	20 + 60	1.78	5.33	-	2.1	7.1	7.3	630	1980	3000	9.1	8.7	8.3
	25 + 25	3.15	3.15	-	2.1	6.3	7.3	630	1660	3000	7.6	7.3	7.0
	25 + 35	2.79	3.91	-	2.1	6.7	7.3	630	1790	3000	8.2	7.9	7.5
	25 + 50	2.37	4.73	-	2.1	7.1	7.3	630	1980	3000	9.1	8.7	8.3
	25 + 60	2.09	5.01	-	2.1	7.1	7.3	630	1980	3000	9.1	8.7	8.3
	35 + 35	3.50	3.50	-	2.1	7.0	7.3	630	1940	3000	8.9	8.5	8.2
	35 + 50	2.92	4.18	-	2.1	7.1	7.3	630	1980	3000	9.1	8.7	8.3
	35 + 60	2.62	4.48	-	2.1	7.1	7.3	630	1980	3000	9.1	8.7	8.3
	50 + 50	3.55	3.55	-	2.1	7.1	7.3	630	1980	3000	9.1	8.7	8.3
	50 + 60	3.23	3.87	-	2.1	7.1	7.3	630	1980	3000	9.1	8.7	8.3
3 room	20 + 20 + 20	2.20	2.20	2.20	3.2	6.6	7.6	660	1380	3000	6.5	6.3	6.0
	20 + 20 + 25	2.06	2.06	2.58	3.2	6.7	7.6	660	1420	3000	6.7	6.4	6.2
	20 + 20 + 35	1.81	1.81	3.17	3.2	6.8	7.6	660	1540	3000	7.3	7.0	6.7
	20 + 20 + 50	1.56	1.56	3.89	3.2	7.0	7.6	660	1730	3000	8.2	7.8	7.5
	20 + 20 + 60	1.44	1.44	4.32	3.2	7.2	7.6	660	1900	3000	9.0	8.6	8.2
	20 + 25 + 25	1.94	2.43	2.43	3.2	6.8	7.6	660	1540	3000	7.3	7.0	6.7
	20 + 25 + 35	1.73	2.16	3.02	3.2	6.9	7.6	660	1590	3000	7.5	7.2	6.9
	20 + 25 + 50	1.49	1.87	3.74	3.2	7.1	7.6	660	1780	3000	8.4	8.1	7.7
	20 + 25 + 60	1.37	1.71	4.11	3.2	7.2	7.6	660	1900	3000	9.0	8.6	8.2
	20 + 35 + 35	1.56	2.72	2.72	3.2	7.0	7.6	660	1730	3000	8.2	7.8	7.5
	20 + 35 + 50	1.37	2.40	3.43	3.2	7.2	7.6	660	1900	3000	9.0	8.6	8.2
	25 + 25 + 25	2.27	2.27	2.27	3.2	6.8	7.6	660	1540	3000	7.3	7.0	6.7
	25 + 25 + 35	2.06	2.06	2.88	3.2	7.0	7.6	660	1730	3000	8.2	7.8	7.5
	25 + 25 + 50	1.80	1.80	3.60	3.2	7.2	7.6	660	1900	3000	9.0	8.6	8.2
	25 + 25 + 60	1.64	1.64	3.93	3.2	7.2	7.6	660	1900	3000	9.0	8.6	8.2
	25 + 35 + 35	1.87	2.62	2.62	3.2	7.1	7.6	660	1780	3000	8.4	8.1	7.7
	25 + 35 + 50	1.64	2.29	3.27	3.2	7.2	7.6	660	1900	3000	9.0	8.6	8.2
	35 + 35 + 35	2.40	2.40	2.40	3.2	7.2	7.6	660	1900	3000	9.0	8.6	8.2

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(5) Model SCM71ZJ-S1

(a) Indoor unit SRK**ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	1.8	2.0	2.8	480	500	950	2.3	2.2	2.1
	25	2.5	-	-	-	1.8	2.5	3.4	480	680	1080	3.1	3.0	2.9
	35	3.5	-	-	-	1.8	3.5	3.9	480	1010	1240	4.6	4.4	4.3
	50	5.0	-	-	-	1.8	5.0	6.1	480	1530	2100	7.0	6.7	6.4
	60	6.0	-	-	-	1.8	6.0	7.0	480	1880	2700	8.6	8.3	7.9
2 room	20 + 20	2.00	2.00	-	-	3.0	4.0	6.1	550	850	1910	3.9	3.7	3.6
	20 + 25	2.00	2.50	-	-	3.0	4.5	6.4	550	1070	2060	4.9	4.7	4.5
	20 + 35	2.00	3.50	-	-	3.0	5.5	6.9	550	1470	2320	6.7	6.5	6.2
	20 + 50	1.94	4.86	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	20 + 60	1.70	5.10	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	25 + 25	2.50	2.50	-	-	3.0	5.0	6.8	550	1250	2270	5.7	5.5	5.3
	25 + 35	2.46	3.44	-	-	3.0	5.9	7.2	550	1660	2470	7.6	7.3	7.0
	25 + 50	2.27	4.53	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	25 + 60	2.00	4.80	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	35 + 35	3.40	3.40	-	-	3.0	6.8	7.6	550	2030	2680	9.3	8.9	8.5
	35 + 50	2.80	4.00	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	35 + 60	2.51	4.29	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	50 + 50	3.40	3.40	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	50 + 60	3.09	3.71	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
	60 + 60	3.40	3.40	-	-	3.0	6.8	7.7	550	2030	2750	9.3	8.9	8.5
3 room	20 + 20 + 20	2.00	2.00	2.00	-	3.7	6.0	8.2	670	1380	2750	6.3	6.1	5.8
	20 + 20 + 25	2.00	2.00	2.50	-	3.7	6.5	8.2	670	1560	2750	7.2	6.9	6.6
	20 + 20 + 35	1.84	1.84	3.22	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 20 + 50	1.53	1.53	3.83	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 20 + 60	1.38	1.38	4.14	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 25 + 25	1.94	2.43	2.43	-	3.7	6.8	8.2	670	1740	2750	8.0	7.6	7.3
	20 + 25 + 35	1.73	2.16	3.02	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 25 + 50	1.45	1.82	3.63	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 25 + 60	1.31	1.64	3.94	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 35 + 35	1.53	2.68	2.68	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 35 + 50	1.31	2.30	3.29	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 35 + 60	1.20	2.10	3.60	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	20 + 50 + 50	1.15	2.88	2.88	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 25 + 25	2.30	2.30	2.30	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 25 + 35	2.03	2.03	2.84	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 25 + 50	1.73	1.73	3.45	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 25 + 60	1.57	1.57	3.76	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 35 + 35	1.82	2.54	2.54	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 35 + 50	1.57	2.20	3.14	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 35 + 60	1.44	2.01	3.45	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	25 + 50 + 50	1.38	2.76	2.76	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	35 + 35 + 35	2.30	2.30	2.30	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7
	35 + 35 + 50	2.01	2.01	2.88	-	3.7	6.9	8.2	670	1830	2750	8.4	8.0	7.7

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	1.73	1.73	1.73	1.73	4.4	6.9	8.8	890	1700	2750	7.8	7.5	7.2
	20 + 20 + 20 + 25	1.62	1.62	1.62	2.03	4.4	6.9	8.8	890	1700	2750	7.8	7.5	7.2
	20 + 20 + 20 + 35	1.49	1.49	1.49	2.62	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 20 + 20 + 50	1.29	1.29	1.29	3.23	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 20 + 20 + 60	1.18	1.18	1.18	3.55	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 20 + 25 + 25	1.53	1.53	1.92	1.92	4.4	6.9	8.8	890	1700	2750	7.8	7.5	7.2
	20 + 20 + 25 + 35	1.42	1.42	1.78	2.49	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 20 + 25 + 50	1.23	1.23	1.54	3.09	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 20 + 25 + 60	1.14	1.14	1.42	3.41	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 20 + 35 + 35	1.29	1.29	2.26	2.26	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 20 + 35 + 50	1.14	1.14	1.99	2.84	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 25+ 25 + 25	1.49	1.87	1.87	1.87	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 25 + 25 + 35	1.35	1.69	1.69	2.37	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 25 + 25 + 50	1.18	1.48	1.48	2.96	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 25 + 35 + 35	1.23	1.54	2.16	2.16	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	20 + 35 + 35 + 35	1.14	1.99	1.99	1.99	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	25 + 25 + 25 + 25	1.78	1.78	1.78	1.78	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	25 + 25 + 25 + 35	1.61	1.61	1.61	2.26	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	25 + 25 + 25 + 50	1.42	1.42	1.42	2.84	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3
	25 + 25 + 35 + 35	1.48	1.48	2.07	2.07	4.4	7.1	8.8	890	1740	2750	8.0	7.6	7.3

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	1.5	3.0	3.7	600	840	1330	3.9	3.7	3.5
	25	3.4	-	-	-	1.5	3.4	4.2	600	1000	1510	4.6	4.4	4.2
	35	4.5	-	-	-	1.5	4.5	5.0	600	1330	1790	6.1	5.8	5.6
	50	5.8	-	-	-	1.5	5.8	6.5	600	1780	2310	8.2	7.8	7.5
	60	6.8	-	-	-	1.5	6.8	7.5	600	2100	2660	9.6	9.2	8.8
2 room	20 + 20	2.70	2.70	-	-	2.1	5.4	7.4	630	1340	1870	6.2	5.9	5.6
	20 + 25	2.62	3.28	-	-	2.1	5.9	7.7	630	1530	2130	7.0	6.7	6.4
	20 + 35	2.51	4.39	-	-	2.1	6.9	8.3	630	1910	2650	8.8	8.4	8.0
	20 + 50	2.34	5.86	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	20 + 60	2.05	6.15	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	25 + 25	3.20	3.20	-	-	2.1	6.4	8.1	630	1700	2480	7.8	7.5	7.2
	25 + 35	3.08	4.32	-	-	2.1	7.4	8.6	630	2090	2910	9.6	9.2	8.8
	25 + 50	2.73	5.47	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	25 + 60	2.41	5.79	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	35 + 35	4.10	4.10	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	35 + 50	3.38	4.82	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	35 + 60	3.02	5.18	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	50 + 50	4.10	4.10	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	50 + 60	3.73	4.47	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2
	60 + 60	4.10	4.10	-	-	2.1	8.2	8.7	630	2430	3350	11.2	10.7	10.2

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
3 room	20 + 20 + 20	2.57	2.57	2.57	-	3.2	7.7	9.1	660	1830	3350	8.4	8.0	7.7
	20 + 20 + 25	2.46	2.46	3.08	-	3.2	8.0	9.1	660	1930	3350	8.9	8.5	8.1
	20 + 20 + 35	2.24	2.24	3.92	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 20 + 50	1.87	1.87	4.67	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 20 + 60	1.68	1.68	5.04	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 25 + 25	2.34	2.93	2.93	-	3.2	8.2	9.1	660	1990	3350	9.1	8.7	8.4
	20 + 25 + 35	2.10	2.63	3.68	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 25 + 50	1.77	2.21	4.42	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 25 + 60	1.60	2.00	4.80	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 35 + 35	1.87	3.27	3.27	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 35 + 50	1.60	2.80	4.00	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 35 + 60	1.46	2.56	4.38	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	20 + 50 + 50	1.40	3.50	3.50	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 25 + 25	2.80	2.80	2.80	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 25 + 35	2.47	2.47	3.46	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 25 + 50	2.10	2.10	4.20	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 25 + 60	1.91	1.91	4.58	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 35 + 35	2.21	3.09	3.09	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 35 + 50	1.91	2.67	3.82	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 35 + 60	1.75	2.45	4.20	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	25 + 50 + 50	1.68	3.36	3.36	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	35 + 35 + 35	2.80	2.80	2.80	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
	35 + 35 + 50	2.45	2.45	3.50	-	3.2	8.4	9.1	660	2060	3350	9.5	9.0	8.7
4 room	20 + 20 + 20 + 20	2.10	2.10	2.10	2.10	3.6	8.4	9.4	800	1960	3350	9.0	8.6	8.2
	20 + 20 + 20 + 25	1.98	1.98	1.98	2.47	3.6	8.4	9.4	800	1960	3350	9.0	8.6	8.2
	20 + 20 + 20 + 35	1.79	1.79	1.79	3.13	3.6	8.5	9.4	800	1980	3350	9.1	8.7	8.3
	20 + 20 + 20 + 50	1.56	1.56	1.56	3.91	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 20 + 20 + 60	1.43	1.43	1.43	4.30	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 20 + 25 + 25	1.89	1.89	2.36	2.36	3.6	8.5	9.4	800	1980	3350	9.1	8.7	8.3
	20 + 20 + 25 + 35	1.70	1.70	2.13	2.98	3.6	8.5	9.4	800	1980	3350	9.1	8.7	8.3
	20 + 20 + 25 + 50	1.50	1.50	1.87	3.74	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 20 + 25 + 60	1.38	1.38	1.72	4.13	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 20 + 35 + 35	1.56	1.56	2.74	2.74	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 20 + 35 + 50	1.38	1.38	2.41	3.44	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 25+ 25 + 25	1.79	2.24	2.24	2.24	3.6	8.5	9.4	800	1980	3350	9.1	8.7	8.3
	20 + 25 + 25 + 35	1.64	2.05	2.05	2.87	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 25 + 25 + 50	1.43	1.79	1.79	3.58	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 25 + 35 + 35	1.50	1.87	2.62	2.62	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	20 + 35 + 35 + 35	1.38	2.41	2.41	2.41	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	25 + 25 + 25 + 25	2.13	2.13	2.13	2.13	3.6	8.5	9.4	800	1980	3350	9.1	8.7	8.3
	25 + 25 + 25 + 35	1.95	1.95	1.95	2.74	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	25 + 25 + 25 + 50	1.72	1.72	1.72	3.44	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4
	25 + 25 + 35 + 35	1.79	1.79	2.51	2.51	3.6	8.6	9.4	800	2000	3350	9.2	8.8	8.4

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(b) Indoor unit except SRK**ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	1.8	2.0	2.7	480	530	950	2.4	2.3	2.2
	25	2.5	-	-	-	1.8	2.5	3.2	480	730	1080	3.4	3.2	3.1
	35	3.5	-	-	-	1.8	3.5	3.7	480	1120	1240	5.1	4.9	4.7
	50	5.0	-	-	-	1.8	5.0	5.8	480	1710	2100	7.9	7.5	7.2
	60	6.0	-	-	-	1.8	6.0	6.7	480	2140	2700	9.8	9.4	9.0
2 room	20 + 20	2.00	2.00	-	-	3.0	4.0	5.8	550	930	1910	4.3	4.1	3.9
	20 + 25	2.00	2.50	-	-	3.0	4.5	6.1	550	1170	2060	5.4	5.1	4.9
	20 + 35	2.00	3.50	-	-	3.0	5.5	6.6	550	1590	2320	7.3	7.0	6.7
	20 + 50	1.94	4.86	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	20 + 60	1.70	5.10	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	25 + 25	2.50	2.50	-	-	3.0	5.0	6.5	550	1360	2270	6.2	6.0	5.7
	25 + 35	2.46	3.44	-	-	3.0	5.9	6.8	550	1780	2470	8.2	7.8	7.5
	25 + 50	2.27	4.53	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	25 + 60	2.00	4.80	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	35 + 35	3.40	3.40	-	-	3.0	6.8	7.2	550	2150	2680	9.9	9.4	9.0
	35 + 50	2.80	4.00	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	35 + 60	2.51	4.29	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	50 + 50	3.40	3.40	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	50 + 60	3.09	3.71	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
	60 + 60	3.40	3.40	-	-	3.0	6.8	7.3	550	2150	2750	9.9	9.4	9.0
3 room	20 + 20 + 20	2.00	2.00	2.00	-	3.7	6.0	7.8	670	1450	2750	6.7	6.4	6.1
	20 + 20 + 25	2.00	2.00	2.50	-	3.7	6.5	7.8	670	1630	2750	7.5	7.2	6.9
	20 + 20 + 35	1.84	1.84	3.22	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 20 + 50	1.53	1.53	3.83	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 20 + 60	1.38	1.38	4.14	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 25 + 25	1.94	2.43	2.43	-	3.7	6.8	7.8	670	1820	2750	8.4	8.0	7.7
	20 + 25 + 35	1.73	2.16	3.02	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 25 + 50	1.45	1.82	3.63	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 25 + 60	1.31	1.64	3.94	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 35 + 35	1.53	2.68	2.68	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 35 + 50	1.31	2.30	3.29	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 35 + 60	1.20	2.10	3.60	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	20 + 50 + 50	1.15	2.88	2.88	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 25 + 25	2.30	2.30	2.30	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 25 + 35	2.03	2.03	2.84	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 25 + 50	1.73	1.73	3.45	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 25 + 60	1.57	1.57	3.76	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 35 + 35	1.82	2.54	2.54	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 35 + 50	1.57	2.20	3.14	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 35 + 60	1.44	2.01	3.45	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	25 + 50 + 50	1.38	2.76	2.76	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	35 + 35 + 35	2.30	2.30	2.30	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0
	35 + 35 + 50	2.01	2.01	2.88	-	3.7	6.9	7.8	670	1910	2750	8.8	8.4	8.0

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	1.73	1.73	1.73	1.73	4.4	6.9	8.3	890	1750	2750	8.0	7.7	7.4
	20 + 20 + 20 + 25	1.62	1.62	1.62	2.03	4.4	6.9	8.3	890	1750	2750	8.0	7.7	7.4
	20 + 20 + 20 + 35	1.49	1.49	1.49	2.62	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 20 + 20 + 50	1.29	1.29	1.29	3.23	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 20 + 20 + 60	1.18	1.18	1.18	3.55	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 20 + 25 + 25	1.53	1.53	1.92	1.92	4.4	6.9	8.3	890	1750	2750	8.0	7.7	7.4
	20 + 20 + 25 + 35	1.42	1.42	1.78	2.49	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 20 + 25 + 50	1.23	1.23	1.54	3.09	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 20 + 25 + 60	1.14	1.14	1.42	3.41	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 20 + 35 + 35	1.29	1.29	2.26	2.26	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 20 + 35 + 50	1.14	1.14	1.99	2.84	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 25 + 25 + 25	1.49	1.87	1.87	1.87	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 25 + 25 + 35	1.35	1.69	1.69	2.37	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 25 + 25 + 50	1.18	1.48	1.48	2.96	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 25 + 35 + 35	1.23	1.54	2.16	2.16	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	20 + 35 + 35 + 35	1.14	1.99	1.99	1.99	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	25 + 25 + 25 + 25	1.78	1.78	1.78	1.78	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	25 + 25 + 25 + 35	1.61	1.61	1.61	2.26	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	25 + 25 + 25 + 50	1.42	1.42	1.42	2.84	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5
	25 + 25 + 35 + 35	1.48	1.48	2.07	2.07	4.4	7.1	8.3	890	1790	2750	8.2	7.9	7.5

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	1.5	3.0	3.5	600	1060	1330	4.9	4.7	4.5
	25	3.4	-	-	-	1.5	3.4	4.0	600	1220	1510	5.6	5.4	5.1
	35	4.5	-	-	-	1.5	4.5	4.8	600	1510	1790	6.9	6.6	6.4
	50	5.8	-	-	-	1.5	5.8	6.2	600	1950	2310	9.0	8.6	8.2
	60	6.8	-	-	-	1.5	6.8	7.1	600	2240	2660	10.3	9.8	9.4
2 room	20 + 20	2.70	2.70	-	-	2.1	5.4	7.0	630	1370	1870	6.3	6.0	5.8
	20 + 25	2.62	3.28	-	-	2.1	5.9	7.3	630	1560	2130	7.2	6.9	6.6
	20 + 35	2.51	4.39	-	-	2.1	6.9	7.9	630	1950	2650	9.0	8.6	8.2
	20 + 50	2.34	5.86	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	20 + 60	2.05	6.15	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	25 + 25	3.20	3.20	-	-	2.1	6.4	7.7	630	1740	2480	8.0	7.6	7.3
	25 + 35	3.08	4.32	-	-	2.1	7.4	8.2	630	2130	2910	9.8	9.4	9.0
	25 + 50	2.73	5.47	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	25 + 60	2.41	5.79	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	35 + 35	4.10	4.10	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	35 + 50	3.38	4.82	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	35 + 60	3.02	5.18	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	50 + 50	4.10	4.10	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	50 + 60	3.73	4.47	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5
	60 + 60	4.10	4.10	-	-	2.1	8.2	8.3	630	2490	3350	11.4	10.9	10.5

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
3 room	20 + 20 + 20	2.57	2.57	2.57	-	3.2	7.7	8.9	660	1870	3350	8.6	8.2	7.9
	20 + 20 + 25	2.46	2.46	3.08	-	3.2	8.0	8.9	660	1970	3350	9.0	8.7	8.3
	20 + 20 + 35	2.24	2.24	3.92	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 20 + 50	1.87	1.87	4.67	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 20 + 60	1.68	1.68	5.04	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 25 + 25	2.34	2.93	2.93	-	3.2	8.2	8.9	660	2030	3350	9.3	8.9	8.5
	20 + 25 + 35	2.10	2.63	3.68	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 25 + 50	1.77	2.21	4.42	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 25 + 60	1.60	2.00	4.80	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 35 + 35	1.87	3.27	3.27	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 35 + 50	1.60	2.80	4.00	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 35 + 60	1.46	2.56	4.38	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	20 + 50 + 50	1.40	3.50	3.50	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 25 + 25	2.80	2.80	2.80	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 25 + 35	2.47	2.47	3.46	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 25 + 50	2.10	2.10	4.20	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 25 + 60	1.91	1.91	4.58	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 35 + 35	2.21	3.09	3.09	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 35 + 50	1.91	2.67	3.82	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 35 + 60	1.75	2.45	4.20	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	25 + 50 + 50	1.68	3.36	3.36	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	35 + 35 + 35	2.80	2.80	2.80	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
	35 + 35 + 50	2.45	2.45	3.50	-	3.2	8.4	8.9	660	2100	3350	9.6	9.2	8.8
4 room	20 + 20 + 20 + 20	2.10	2.10	2.10	2.10	3.6	8.4	9.1	800	2010	3350	9.2	8.8	8.5
	20 + 20 + 20 + 25	1.98	1.98	1.98	2.47	3.6	8.4	9.1	800	2010	3350	9.2	8.8	8.5
	20 + 20 + 20 + 35	1.79	1.79	1.79	3.13	3.6	8.5	9.1	800	2030	3350	9.3	8.9	8.5
	20 + 20 + 20 + 50	1.56	1.56	1.56	3.91	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 20 + 20 + 60	1.43	1.43	1.43	4.30	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 20 + 25 + 25	1.89	1.89	2.36	2.36	3.6	8.5	9.1	800	2030	3350	9.3	8.9	8.5
	20 + 20 + 25 + 35	1.70	1.70	2.13	2.98	3.6	8.5	9.1	800	2030	3350	9.3	8.9	8.5
	20 + 20 + 25 + 50	1.50	1.50	1.87	3.74	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 20 + 25 + 60	1.38	1.38	1.72	4.13	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 20 + 35 + 35	1.56	1.56	2.74	2.74	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 20 + 35 + 50	1.38	1.38	2.41	3.44	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 25 + 25 + 25	1.79	2.24	2.24	2.24	3.6	8.5	9.1	800	2030	3350	9.3	8.9	8.5
	20 + 25 + 25 + 35	1.64	2.05	2.05	2.87	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 25 + 25 + 50	1.43	1.79	1.79	3.58	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 25 + 35 + 35	1.50	1.87	2.62	2.62	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	20 + 35 + 35 + 35	1.38	2.41	2.41	2.41	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	25 + 25 + 25 + 25	2.13	2.13	2.13	2.13	3.6	8.5	9.1	800	2030	3350	9.3	8.9	8.5
	25 + 25 + 25 + 35	1.95	1.95	1.95	2.74	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	25 + 25 + 25 + 50	1.72	1.72	1.72	3.44	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6
	25 + 25 + 35 + 35	1.79	1.79	2.51	2.51	3.6	8.6	9.1	800	2050	3350	9.4	9.0	8.6

ESP-PR-1036 D

(6) Model SCM80ZJ-S1

(a) Indoor unit SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	1.8	2.0	2.8	480	500	950	2.3	2.2	2.1
	25	2.5	-	-	-	1.8	2.5	3.4	480	680	1080	3.1	3.0	2.9
	35	3.5	-	-	-	1.8	3.5	3.9	480	1010	1240	4.6	4.4	4.3
	50	5.0	-	-	-	1.8	5.0	6.1	480	1530	2100	7.0	6.7	6.4
	60	6.0	-	-	-	1.8	6.0	7.0	480	1880	2700	8.6	8.3	7.9
2 room	20 + 20	2.00	2.00	-	-	3.0	4.0	6.1	550	850	1910	3.9	3.7	3.6
	20 + 25	2.00	2.50	-	-	3.0	4.5	6.4	550	1070	2060	4.9	4.7	4.5
	20 + 35	2.00	3.50	-	-	3.0	5.5	6.9	550	1470	2320	6.7	6.5	6.2
	20 + 50	1.97	4.93	-	-	3.0	6.9	7.9	550	2070	2830	9.5	9.1	8.7
	20 + 60	1.85	5.55	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
	25 + 25	2.50	2.50	-	-	3.0	5.0	6.8	550	1250	2270	5.7	5.5	5.3
	25 + 35	2.46	3.44	-	-	3.0	5.9	7.2	550	1660	2470	7.6	7.3	7.0
	25 + 50	2.47	4.93	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
	25 + 60	2.18	5.22	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
	35 + 35	3.45	3.45	-	-	3.0	6.9	7.6	550	2070	2680	9.5	9.1	8.7
	35 + 50	3.05	4.35	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
	35 + 60	2.73	4.67	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
	50 + 50	3.70	3.70	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
	50 + 60	3.36	4.04	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
	60 + 60	3.70	3.70	-	-	3.0	7.4	7.9	550	2290	2830	10.5	10.1	9.6
3 room	20 + 20 + 20	2.00	2.00	2.00	-	3.7	6.0	8.5	670	1380	2830	6.3	6.1	5.8
	20 + 20 + 25	2.00	2.00	2.50	-	3.7	6.5	8.5	670	1560	2830	7.2	6.9	6.6
	20 + 20 + 35	1.89	1.89	3.31	-	3.7	7.1	8.5	670	1880	2830	8.6	8.3	7.9
	20 + 20 + 50	1.73	1.73	4.33	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 20 + 60	1.56	1.56	4.68	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 25 + 25	1.94	2.43	2.43	-	3.7	6.8	8.5	670	1740	2830	8.0	7.6	7.3
	20 + 25 + 35	1.88	2.34	3.28	-	3.7	7.5	8.5	670	2050	2830	9.4	9.0	8.6
	20 + 25 + 50	1.64	2.05	4.11	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 25 + 60	1.49	1.86	4.46	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 35 + 35	1.73	3.03	3.03	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 35 + 50	1.49	2.60	3.71	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 35 + 60	1.36	2.37	4.07	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 50 + 50	1.30	3.25	3.25	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	20 + 50 + 60	1.20	3.00	3.60	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 25 + 25	2.37	2.37	2.37	-	3.7	7.1	8.5	670	1880	2830	8.6	8.3	7.9
	25 + 25 + 35	2.29	2.29	3.21	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 25 + 50	1.95	1.95	3.90	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 25 + 60	1.77	1.77	4.25	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 35 + 35	2.05	2.87	2.87	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 35 + 50	1.77	2.48	3.55	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 35 + 60	1.63	2.28	3.90	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 50 + 50	1.56	3.12	3.12	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	25 + 50 + 60	1.44	2.89	3.47	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	35 + 35 + 35	2.60	2.60	2.60	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	35 + 35 + 50	2.28	2.28	3.25	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	35 + 35 + 60	2.10	2.10	3.60	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4
	35 + 50 + 50	2.02	2.89	2.89	-	3.7	7.8	8.5	670	2230	2830	10.2	9.8	9.4

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	1.95	1.95	1.95	1.95	4.4	7.8	9.2	890	2120	2830	9.6	9.2	8.8
	20 + 20 + 20 + 25	1.84	1.84	1.84	2.29	4.4	7.8	9.2	890	2120	2830	9.6	9.2	8.8
	20 + 20 + 20 + 35	1.66	1.66	1.66	2.91	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 20 + 20 + 50	1.44	1.44	1.44	3.59	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 20 + 20 + 60	1.33	1.33	1.33	4.00	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	20 + 20 + 25 + 25	1.76	1.76	2.19	2.19	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 20 + 25 + 35	1.58	1.58	1.98	2.77	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 20 + 25 + 50	1.37	1.37	1.72	3.43	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 20 + 25 + 60	1.28	1.28	1.60	3.84	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	20 + 20 + 35 + 35	1.44	1.44	2.51	2.51	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 20 + 35 + 50	1.28	1.28	2.24	3.20	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	20 + 20 + 35 + 60	1.19	1.19	2.07	3.56	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	20 + 25 + 25 + 25	1.66	2.08	2.08	2.08	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 25 + 25 + 35	1.50	1.88	1.88	2.63	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 25 + 25 + 50	1.33	1.67	1.67	3.33	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	20 + 25 + 25 + 60	1.23	1.54	1.54	3.69	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	20 + 25 + 35 + 35	1.37	1.72	2.40	2.40	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	20 + 25 + 35 + 50	1.23	1.54	2.15	3.08	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	20 + 35 + 35 + 35	1.28	2.24	2.24	2.24	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	25 + 25 + 25 + 25	1.98	1.98	1.98	1.98	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	25 + 25 + 25 + 35	1.80	1.80	1.80	2.51	4.4	7.9	9.2	890	2140	2830	9.7	9.3	8.9
	25 + 25 + 25 + 50	1.60	1.60	1.60	3.20	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	25 + 25 + 25 + 60	1.48	1.48	1.48	3.56	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	25 + 25 + 35 + 35	1.67	1.67	2.33	2.33	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	25 + 25 + 35 + 50	1.48	1.48	2.07	2.96	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0
	25 + 35 + 35 + 35	1.54	2.15	2.15	2.15	4.4	8.0	9.2	890	2160	2830	9.9	9.4	9.0

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	1.5	3.0	3.7	600	840	1330	3.9	3.7	3.5
	25	3.4	-	-	-	1.5	3.4	4.2	600	1000	1510	4.6	4.4	4.2
	35	4.5	-	-	-	1.5	4.5	5.0	600	1330	1790	6.1	5.8	5.6
	50	5.8	-	-	-	1.5	5.8	6.5	600	1780	2310	8.2	7.8	7.5
	60	6.8	-	-	-	1.5	6.8	7.5	600	2100	2660	9.6	9.2	8.8
2 room	20 + 20	2.70	2.70	-	-	2.1	5.4	7.4	630	1340	1870	6.2	5.9	5.6
	20 + 25	2.62	3.28	-	-	2.1	5.9	7.7	630	1530	2130	7.0	6.7	6.4
	20 + 35	2.51	4.39	-	-	2.1	6.9	8.3	630	1910	2650	8.8	8.4	8.0
	20 + 50	2.37	5.93	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	20 + 60	2.08	6.23	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	25 + 25	3.20	3.20	-	-	2.1	6.4	8.1	630	1700	2480	7.8	7.5	7.2
	25 + 35	3.08	4.32	-	-	2.1	7.4	8.6	630	2090	2910	9.6	9.2	8.8
	25 + 50	2.77	5.53	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	25 + 60	2.44	5.86	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	35 + 35	4.15	4.15	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	35 + 50	3.42	4.88	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	35 + 60	3.06	5.24	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	50 + 50	4.15	4.15	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	50 + 60	3.77	4.53	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
	60 + 60	4.15	4.15	-	-	2.1	8.3	8.8	630	2460	3430	11.3	10.8	10.4
3 room	20 + 20 + 20	2.57	2.57	2.57	-	3.2	7.7	9.3	660	1830	3430	8.4	8.0	7.7
	20 + 20 + 25	2.46	2.46	3.08	-	3.2	8.0	9.3	660	1930	3430	8.9	8.5	8.1
	20 + 20 + 35	2.27	2.27	3.97	-	3.2	8.5	9.3	660	2090	3430	9.6	9.2	8.8
	20 + 20 + 50	2.00	2.00	5.00	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 20 + 60	1.80	1.80	5.40	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 25 + 25	2.34	2.93	2.93	-	3.2	8.2	9.3	660	1990	3430	9.1	8.7	8.4
	20 + 25 + 35	2.20	2.75	3.85	-	3.2	8.8	9.3	660	2180	3430	10.0	9.6	9.2
	20 + 25 + 50	1.89	2.37	4.74	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 25 + 60	1.71	2.14	5.14	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 35 + 35	2.00	3.50	3.50	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 35 + 50	1.71	3.00	4.29	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 35 + 60	1.57	2.74	4.70	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 50 + 50	1.50	3.75	3.75	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	20 + 50 + 60	1.38	3.46	4.15	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 25 + 25	2.83	2.83	2.83	-	3.2	8.5	9.3	660	2090	3430	9.6	9.2	8.8
	25 + 25 + 35	2.65	2.65	3.71	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 25 + 50	2.25	2.25	4.50	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 25 + 60	2.05	2.05	4.91	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 35 + 35	2.37	3.32	3.32	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 35 + 50	2.05	2.86	4.09	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 35 + 60	1.88	2.63	4.50	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 50 + 50	1.80	3.60	3.60	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	25 + 50 + 60	1.67	3.33	4.00	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	35 + 35 + 35	3.00	3.00	3.00	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	35 + 35 + 50	2.63	2.63	3.75	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	35 + 35 + 60	2.42	2.42	4.15	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5
	35 + 50 + 50	2.33	3.33	3.33	-	3.2	9.0	9.3	660	2250	3430	10.3	9.9	9.5

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	max.						
4 room	20 + 20 + 20 + 20	2.28	2.28	2.28	2.28	3.6	9.1	9.8	800	2220	3430	10.2	9.7	9.3
	20 + 20 + 20 + 25	2.14	2.14	2.14	2.68	3.6	9.1	9.8	800	2220	3430	10.2	9.7	9.3
	20 + 20 + 20 + 35	1.94	1.94	1.94	3.39	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	20 + 20 + 20 + 50	1.67	1.67	1.67	4.18	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	20 + 20 + 20 + 60	1.55	1.55	1.55	4.65	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 20 + 25 + 25	2.04	2.04	2.56	2.56	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	20 + 20 + 25 + 35	1.84	1.84	2.30	3.22	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	20 + 20 + 25 + 50	1.62	1.62	2.02	4.04	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 20 + 25 + 60	1.49	1.49	1.86	4.46	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 20 + 35 + 35	1.67	1.67	2.93	2.93	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	20 + 20 + 35 + 50	1.49	1.49	2.60	3.72	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 20 + 35 + 60	1.38	1.38	2.41	4.13	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 25 + 25 + 25	1.94	2.42	2.42	2.42	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	20 + 25 + 25 + 35	1.75	2.19	2.19	3.07	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	20 + 25 + 25 + 50	1.55	1.94	1.94	3.88	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 25 + 25 + 60	1.43	1.79	1.79	4.29	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 25 + 35 + 35	1.62	2.02	2.83	2.83	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 25 + 35 + 50	1.43	1.79	2.50	3.58	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	20 + 35 + 35 + 35	1.49	2.60	2.60	2.60	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	25 + 25 + 25 + 25	2.30	2.30	2.30	2.30	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	25 + 25 + 25 + 35	2.09	2.09	2.09	2.93	3.6	9.2	9.8	800	2240	3430	10.3	9.8	9.4
	25 + 25 + 25 + 50	1.86	1.86	1.86	3.72	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	25 + 25 + 25 + 60	1.72	1.72	1.72	4.13	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	25 + 25 + 35 + 35	1.94	1.94	2.71	2.71	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	25 + 25 + 35 + 50	1.72	1.72	2.41	3.44	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5
	25 + 35 + 35 + 35	1.79	2.50	2.50	2.50	3.6	9.3	9.8	800	2260	3430	10.4	10.0	9.5

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(b) Indoor unit except SRK**ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	1.8	2.0	2.7	480	530	950	2.4	2.3	2.2
	25	2.5	-	-	-	1.8	2.5	3.2	480	730	1080	3.4	3.2	3.1
	35	3.5	-	-	-	1.8	3.5	3.7	480	1120	1240	5.1	4.9	4.7
	50	5.0	-	-	-	1.8	5.0	5.8	480	1710	2100	7.9	7.5	7.2
	60	6.0	-	-	-	1.8	6.0	6.7	480	2140	2700	9.8	9.4	9.0
2 room	20 + 20	2.00	2.00	-	-	3.0	4.0	5.8	550	930	1910	4.3	4.1	3.9
	20 + 25	2.00	2.50	-	-	3.0	4.5	6.1	550	1170	2060	5.4	5.1	4.9
	20 + 35	2.00	3.50	-	-	3.0	5.5	6.6	550	1590	2320	7.3	7.0	6.7
	20 + 50	1.97	4.93	-	-	3.0	6.9	7.5	550	2200	2830	10.1	9.7	9.3
	20 + 60	1.85	5.55	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
	25 + 25	2.50	2.50	-	-	3.0	5.0	6.5	550	1360	2270	6.2	6.0	5.7
	25 + 35	2.46	3.44	-	-	3.0	5.9	6.8	550	1780	2470	8.2	7.8	7.5
	25 + 50	2.47	4.93	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
	25 + 60	2.18	5.22	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
	35 + 35	3.45	3.45	-	-	3.0	6.9	7.5	550	2200	2680	10.1	9.7	9.3
	35 + 50	3.05	4.35	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
	35 + 60	2.73	4.67	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
	50 + 50	3.70	3.70	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
	50 + 60	3.36	4.04	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
	60 + 60	3.70	3.70	-	-	3.0	7.4	7.5	550	2430	2830	11.2	10.7	10.2
3 room	20 + 20 + 20	2.00	2.00	2.00	-	3.7	6.0	8.1	670	1450	2830	6.7	6.4	6.1
	20 + 20 + 25	2.00	2.00	2.50	-	3.7	6.5	8.1	670	1630	2830	7.5	7.2	6.9
	20 + 20 + 35	1.89	1.89	3.31	-	3.7	7.1	8.1	670	1950	2830	9.0	8.6	8.2
	20 + 20 + 50	1.73	1.73	4.33	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 20 + 60	1.56	1.56	4.68	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 25 + 25	1.94	2.43	2.43	-	3.7	6.8	8.1	670	1820	2830	8.4	8.0	7.7
	20 + 25 + 35	1.88	2.34	3.28	-	3.7	7.5	8.1	670	2130	2830	9.8	9.4	9.0
	20 + 25 + 50	1.64	2.05	4.11	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 25 + 60	1.49	1.86	4.46	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 35 + 35	1.73	3.03	3.03	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 35 + 50	1.49	2.60	3.71	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 35 + 60	1.36	2.37	4.07	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 50 + 50	1.30	3.25	3.25	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	20 + 50 + 60	1.20	3.00	3.60	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 25 + 25	2.37	2.37	2.37	-	3.7	7.1	8.1	670	1950	2830	9.0	8.6	8.2
	25 + 25 + 35	2.29	2.29	3.21	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 25 + 50	1.95	1.95	3.90	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 25 + 60	1.77	1.77	4.25	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 35 + 35	2.05	2.87	2.87	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 35 + 50	1.77	2.48	3.55	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 35 + 60	1.63	2.28	3.90	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 50 + 50	1.56	3.12	3.12	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	25 + 50 + 60	1.44	2.89	3.47	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	35 + 35 + 35	2.60	2.60	2.60	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	35 + 35 + 50	2.28	2.28	3.25	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	35 + 35 + 60	2.10	2.10	3.60	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8
	35 + 50 + 50	2.02	2.89	2.89	-	3.7	7.8	8.1	670	2320	2830	10.7	10.2	9.8

<Cooling>

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	1.95	1.95	1.95	1.95	4.4	7.8	8.7	890	2180	2830	9.9	9.5	9.1
	20 + 20 + 20 + 25	1.84	1.84	1.84	2.29	4.4	7.8	8.7	890	2180	2830	9.9	9.5	9.1
	20 + 20 + 20 + 35	1.66	1.66	1.66	2.91	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 20 + 20 + 50	1.44	1.44	1.44	3.59	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 20 + 20 + 60	1.33	1.33	1.33	4.00	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	20 + 20 + 25 + 25	1.76	1.76	2.19	2.19	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 20 + 25 + 35	1.58	1.58	1.98	2.77	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 20 + 25 + 50	1.37	1.37	1.72	3.43	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 20 + 25 + 60	1.28	1.28	1.60	3.84	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	20 + 20 + 35 + 35	1.44	1.44	2.51	2.51	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 20 + 35 + 50	1.28	1.28	2.24	3.20	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	20 + 20 + 35 + 60	1.19	1.19	2.07	3.56	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	20 + 25 + 25 + 25	1.66	2.08	2.08	2.08	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 25 + 25 + 35	1.50	1.88	1.88	2.63	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 25 + 25 + 50	1.33	1.67	1.67	3.33	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	20 + 25 + 25 + 60	1.23	1.54	1.54	3.69	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	20 + 25 + 35 + 35	1.37	1.72	2.40	2.40	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	20 + 25 + 35 + 50	1.23	1.54	2.15	3.08	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	20 + 35 + 35 + 35	1.28	2.24	2.24	2.24	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	25 + 25 + 25 + 25	1.98	1.98	1.98	1.98	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	25 + 25 + 25 + 35	1.80	1.80	1.80	2.51	4.4	7.9	8.7	890	2200	2830	10.0	9.6	9.2
	25 + 25 + 25 + 50	1.60	1.60	1.60	3.20	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	25 + 25 + 25 + 60	1.48	1.48	1.48	3.56	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	25 + 25 + 35 + 35	1.67	1.67	2.33	2.33	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	25 + 25 + 35 + 50	1.48	1.48	2.07	2.96	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3
	25 + 35 + 35 + 35	1.54	2.15	2.15	2.15	4.4	8.0	8.7	890	2220	2830	10.1	9.7	9.3

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	1.5	3.0	3.5	600	1060	1330	4.9	4.7	4.5
	25	3.4	-	-	-	1.5	3.4	4.0	600	1220	1510	5.6	5.4	5.1
	35	4.5	-	-	-	1.5	4.5	4.8	600	1510	1790	6.9	6.6	6.4
	50	5.8	-	-	-	1.5	5.8	6.2	600	1950	2310	9.0	8.6	8.2
	60	6.8	-	-	-	1.5	6.8	7.1	600	2240	2660	10.3	9.8	9.4
2 room	20 + 20	2.70	2.70	-	-	2.1	5.4	7.0	630	1370	1870	6.3	6.0	5.8
	20 + 25	2.62	3.28	-	-	2.1	5.9	7.3	630	1560	2130	7.2	6.9	6.6
	20 + 35	2.51	4.39	-	-	2.1	6.9	7.9	630	1950	2650	9.0	8.6	8.2
	20 + 50	2.37	5.93	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	20 + 60	2.08	6.23	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	25 + 25	3.20	3.20	-	-	2.1	6.4	7.7	630	1740	2480	8.0	7.6	7.3
	25 + 35	3.08	4.32	-	-	2.1	7.4	8.2	630	2130	2910	9.8	9.4	9.0
	25 + 50	2.77	5.53	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	25 + 60	2.44	5.86	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	35 + 35	4.15	4.15	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	35 + 50	3.42	4.88	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	35 + 60	3.06	5.24	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	50 + 50	4.15	4.15	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	50 + 60	3.77	4.53	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
	60 + 60	4.15	4.15	-	-	2.1	8.3	8.4	630	2510	3430	11.5	11.0	10.6
3 room	20 + 20 + 20	2.57	2.57	2.57	-	3.2	7.7	9.1	660	1870	3430	8.6	8.2	7.9
	20 + 20 + 25	2.46	2.46	3.08	-	3.2	8.0	9.1	660	1970	3430	9.0	8.7	8.3
	20 + 20 + 35	2.27	2.27	3.97	-	3.2	8.5	9.1	660	2130	3430	9.8	9.4	9.0
	20 + 20 + 50	2.00	2.00	5.00	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 20 + 60	1.80	1.80	5.40	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 25 + 25	2.34	2.93	2.93	-	3.2	8.2	9.1	660	2030	3430	9.3	8.9	8.5
	20 + 25 + 35	2.20	2.75	3.85	-	3.2	8.8	9.1	660	2220	3430	10.2	9.7	9.3
	20 + 25 + 50	1.89	2.37	4.74	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 25 + 60	1.71	2.14	5.14	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 35 + 35	2.00	3.50	3.50	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 35 + 50	1.71	3.00	4.29	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 35 + 60	1.57	2.74	4.70	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 50 + 50	1.50	3.75	3.75	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	20 + 50 + 60	1.38	3.46	4.15	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 25 + 25	2.83	2.83	2.83	-	3.2	8.5	9.1	660	2130	3430	9.8	9.4	9.0
	25 + 25 + 35	2.65	2.65	3.71	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 25 + 50	2.25	2.25	4.50	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 25 + 60	2.05	2.05	4.91	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 35 + 35	2.37	3.32	3.32	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 35 + 50	2.05	2.86	4.09	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 35 + 60	1.88	2.63	4.50	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 50 + 50	1.80	3.60	3.60	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	25 + 50 + 60	1.67	3.33	4.00	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	35 + 35 + 35	3.00	3.00	3.00	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	35 + 35 + 50	2.63	2.63	3.75	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	35 + 35 + 60	2.42	2.42	4.15	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7
	35 + 50 + 50	2.33	3.33	3.33	-	3.2	9.0	9.1	660	2300	3430	10.6	10.1	9.7

<Heating>

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	2.28	2.28	2.28	2.28	3.6	9.1	9.5	800	2270	3430	10.4	10.0	9.6
	20 + 20 + 20 + 25	2.14	2.14	2.14	2.68	3.6	9.1	9.5	800	2270	3430	10.4	10.0	9.6
	20 + 20 + 20 + 35	1.94	1.94	1.94	3.39	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	20 + 20 + 20 + 50	1.67	1.67	1.67	4.18	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	20 + 20 + 20 + 60	1.55	1.55	1.55	4.65	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 20 + 25 + 25	2.04	2.04	2.56	2.56	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	20 + 20 + 25 + 35	1.84	1.84	2.30	3.22	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	20 + 20 + 25 + 50	1.62	1.62	2.02	4.04	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 20 + 25 + 60	1.49	1.49	1.86	4.46	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 20 + 35 + 35	1.67	1.67	2.93	2.93	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	20 + 20 + 35 + 50	1.49	1.49	2.60	3.72	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 20 + 35 + 60	1.38	1.38	2.41	4.13	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 25 + 25 + 25	1.94	2.42	2.42	2.42	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	20 + 25 + 25 + 35	1.75	2.19	2.19	3.07	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	20 + 25 + 25 + 50	1.55	1.94	1.94	3.88	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 25 + 25 + 60	1.43	1.79	1.79	4.29	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 25 + 35 + 35	1.62	2.02	2.83	2.83	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 25 + 35 + 50	1.43	1.79	2.50	3.58	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	20 + 35 + 35 + 35	1.49	2.60	2.60	2.60	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	25 + 25 + 25 + 25	2.30	2.30	2.30	2.30	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	25 + 25 + 25 + 35	2.09	2.09	2.09	2.93	3.6	9.2	9.5	800	2290	3430	10.5	10.1	9.6
	25 + 25 + 25 + 50	1.86	1.86	1.86	3.72	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	25 + 25 + 25 + 60	1.72	1.72	1.72	4.13	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	25 + 25 + 35 + 35	1.94	1.94	2.71	2.71	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	25 + 25 + 35 + 50	1.72	1.72	2.41	3.44	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8
	25 + 35 + 35 + 35	1.79	2.50	2.50	2.50	3.6	9.3	9.5	800	2310	3430	10.7	10.2	9.8

ESP-PR-1036 D

(7) Model SCM100ZJ-S1

(a) Indoor unit SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	-	-	1.8	2.0	2.8	650	750	1100	3.4	3.3	3.2
	25	2.5	-	-	-	-	-	1.8	2.5	3.4	650	950	1350	4.4	4.2	4.0
	35	3.5	-	-	-	-	-	1.8	3.5	3.9	650	1400	1600	6.4	6.1	5.9
	50	5.0	-	-	-	-	-	1.8	5.0	6.1	650	2000	2500	9.2	8.8	8.4
	60	6.0	-	-	-	-	-	1.8	6.0	7.0	650	2450	3000	11.2	10.8	10.3
2 room	20 + 20	2.00	2.00	-	-	-	-	3.0	4.0	5.6	740	910	1460	4.2	4.0	3.8
	20 + 25	2.00	2.50	-	-	-	-	3.0	4.5	6.2	740	1050	1820	4.8	4.6	4.4
	20 + 35	2.00	3.50	-	-	-	-	3.0	5.5	6.7	740	1430	2020	6.6	6.3	6.0
	20 + 50	2.00	5.00	-	-	-	-	3.0	7.0	8.9	740	2180	2820	10.0	9.6	9.2
	20 + 60	2.00	6.00	-	-	-	-	3.0	8.0	9.8	740	2530	3360	11.6	11.1	10.6
	25 + 25	2.50	2.50	-	-	-	-	3.0	5.0	6.8	740	1350	2200	6.2	5.9	5.7
	25 + 35	2.50	3.50	-	-	-	-	3.0	6.0	7.3	740	1720	2320	7.9	7.6	7.2
	25 + 50	2.50	5.00	-	-	-	-	3.0	7.5	9.5	740	2350	3220	10.8	10.3	9.9
	25 + 60	2.50	6.00	-	-	-	-	3.0	8.5	9.8	740	2680	3360	12.3	11.8	11.3
	35 + 35	3.50	3.50	-	-	-	-	3.0	7.0	7.8	740	2180	2820	10.0	9.6	9.2
	35 + 50	3.50	5.00	-	-	-	-	3.0	8.5	10.0	740	2680	3620	12.3	11.8	11.3
	35 + 60	3.50	6.00	-	-	-	-	3.0	9.5	10.9	740	3120	3990	14.3	13.7	13.1
	50 + 50	5.00	5.00	-	-	-	-	3.0	10.0	12.0	740	3350	4400	15.4	14.7	14.1
	50 + 60	4.55	5.45	-	-	-	-	3.0	10.0	12.0	740	3350	4400	15.4	14.7	14.1
	60 + 60	5.00	5.00	-	-	-	-	3.0	10.0	12.0	740	3340	4400	15.3	14.7	14.1
3 room	20 + 20 + 20	2.00	2.00	2.00	-	-	-	3.7	6.0	8.4	880	1460	2560	6.7	6.4	6.1
	20 + 20 + 25	2.00	2.00	2.50	-	-	-	3.7	6.5	9.0	880	1650	2700	7.6	7.2	6.9
	20 + 20 + 35	2.00	2.00	3.50	-	-	-	3.7	7.5	9.5	880	1980	3120	9.1	8.7	8.3
	20 + 20 + 50	2.00	2.00	5.00	-	-	-	3.7	9.0	11.7	880	2600	4120	11.9	11.4	10.9
	20 + 20 + 60	2.00	2.00	6.00	-	-	-	3.7	10.0	12.0	880	3120	4250	14.3	13.7	13.1
	20 + 25 + 25	2.00	2.50	2.50	-	-	-	3.7	7.0	9.6	880	1850	3210	8.5	8.1	7.8
	20 + 25 + 35	2.00	2.50	3.50	-	-	-	3.7	8.0	10.1	880	2320	3630	10.7	10.2	9.8
	20 + 25 + 50	2.00	2.50	5.00	-	-	-	3.7	9.5	12.0	880	2980	4250	13.7	13.1	12.5
	20 + 25 + 60	1.90	2.38	5.71	-	-	-	3.7	10.0	12.0	880	3120	4250	14.3	13.7	13.1
	20 + 35 + 35	2.00	3.50	3.50	-	-	-	3.7	9.0	10.6	880	2780	3750	12.8	12.2	11.7
	20 + 35 + 50	1.90	3.33	4.76	-	-	-	3.7	10.0	12.0	880	3120	4250	14.3	13.7	13.1
	20 + 35 + 60	1.74	3.04	5.22	-	-	-	3.7	10.0	12.0	880	3110	4250	14.3	13.7	13.1
	20 + 50 + 50	1.67	4.17	4.17	-	-	-	3.7	10.0	12.0	880	3110	4250	14.3	13.7	13.1
	20 + 50 + 60	1.54	3.85	4.62	-	-	-	3.7	10.0	12.0	880	3110	4250	14.3	13.7	13.1
	20 + 60 + 60	1.43	4.29	4.29	-	-	-	3.7	10.0	12.0	880	3100	4250	14.2	13.6	13.0
	25 + 25 + 25	2.50	2.50	2.50	-	-	-	3.7	7.5	10.2	880	2030	3640	9.3	8.9	8.5
	25 + 25 + 35	2.50	2.50	3.50	-	-	-	3.7	8.5	10.7	880	2520	3900	11.6	11.1	10.6
	25 + 25 + 50	2.50	2.50	5.00	-	-	-	3.7	10.0	12.0	880	3120	4250	14.3	13.7	13.1
	25 + 25 + 60	2.27	2.27	5.45	-	-	-	3.7	10.0	12.0	880	3120	4250	14.3	13.7	13.1
	25 + 35 + 35	2.50	3.50	3.50	-	-	-	3.7	9.5	11.2	880	2980	3990	13.7	13.1	12.5
	25 + 35 + 50	2.27	3.18	4.55	-	-	-	3.7	10.0	12.0	880	3120	4250	14.3	13.7	13.1
	25 + 35 + 60	2.08	2.92	5.00	-	-	-	3.7	10.0	12.0	880	3110	4250	14.3	13.7	13.1
	25 + 50 + 50	2.00	4.00	4.00	-	-	-	3.7	10.0	12.0	880	3110	4250	14.3	13.7	13.1
	25 + 50 + 60	1.85	3.70	4.44	-	-	-	3.7	10.0	12.0	880	3100	4250	14.2	13.6	13.0
	25 + 60 + 60	1.72	4.14	4.14	-	-	-	3.7	10.0	12.0	880	3100	4250	14.2	13.6	13.0
	35 + 35 + 35	3.33	3.33	3.33	-	-	-	3.7	10.0	11.7	880	3120	4180	14.3	13.7	13.1
	35 + 35 + 50	2.92	2.92	4.17	-	-	-	3.7	10.0	12.0	880	3110	4250	14.3	13.7	13.1
	35 + 35 + 60	2.69	2.69	4.62	-	-	-	3.7	10.0	12.0	880	3110	4250	14.3	13.7	13.1
	35 + 50 + 50	2.59	3.70	3.70	-	-	-	3.7	10.0	12.0	880	3100	4250	14.2	13.6	13.0
	35 + 50 + 60	2.41	3.45	4.14	-	-	-	3.7	10.0	12.0	880	3100	4251	14.2	13.6	13.0
	35 + 60 + 60	2.26	3.87	3.87	-	-	-	3.7	10.0	12.0	880	3090	4251	14.2	13.6	13.0
	50 + 50 + 50	3.33	3.33	3.33	-	-	-	3.7	10.0	12.0	880	3100	4250	14.2	13.6	13.0
	50 + 50 + 60	3.13	3.13	3.75	-	-	-	3.7	10.0	12.0	880	3090	4250	14.2	13.6	13.0

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	-	-	4.4	8.0	11.2	1100	2050	3680	9.3	8.9	8.6
	20 + 20 + 20 + 25	2.00	2.00	2.00	2.50	-	-	4.4	8.5	11.8	1100	2320	3890	10.6	10.1	9.7
	20 + 20 + 20 + 35	2.00	2.00	2.00	3.50	-	-	4.4	9.5	12.0	1100	2820	4050	12.8	12.3	11.8
	20 + 20 + 20 + 50	1.82	1.82	1.82	4.55	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	20 + 20 + 20 + 60	1.67	1.67	1.67	5.00	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	20 + 20 + 25 + 25	2.00	2.00	2.50	2.50	-	-	4.4	9.0	12.0	1100	2520	4050	11.5	11.0	10.5
	20 + 20 + 25 + 35	2.00	2.00	2.50	3.50	-	-	4.4	10.0	12.0	1100	3030	4050	13.8	13.2	12.6
	20 + 20 + 25 + 50	1.74	1.74	2.17	4.35	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	20 + 20 + 25 + 60	1.60	1.60	2.00	4.80	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 20 + 35 + 35	1.82	1.82	3.18	3.18	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	20 + 20 + 35 + 50	1.60	1.60	2.80	4.00	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 20 + 35 + 60	1.48	1.48	2.59	4.44	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 20 + 50 + 50	1.43	1.43	3.57	3.57	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 20 + 50 + 60	1.33	1.33	3.33	4.00	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	20 + 20 + 60 + 60	1.25	1.25	3.75	3.75	-	-	4.4	10.0	12.0	1100	2990	4050	13.6	13.0	12.5
	20 + 25 + 25 + 25	2.00	2.50	2.50	2.50	-	-	4.4	9.5	12.0	1100	2820	4050	12.8	12.3	11.8
	20 + 25 + 25 + 35	1.90	2.38	2.38	3.33	-	-	4.4	10.0	12.0	1100	3030	4050	13.8	13.2	12.6
	20 + 25 + 25 + 50	1.67	2.08	2.08	4.17	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	20 + 25 + 25 + 60	1.54	1.92	1.92	4.62	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 25 + 35 + 35	1.74	2.17	3.04	3.04	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	20 + 25 + 35 + 50	1.54	1.92	2.69	3.85	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 25 + 35 + 60	1.43	1.79	2.50	4.29	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 25 + 50 + 50	1.38	1.72	3.45	3.45	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	20 + 25 + 50 + 60	1.29	1.61	3.23	3.87	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	20 + 25 + 60 + 60	1.21	1.52	3.64	3.64	-	-	4.4	10.0	12.0	1100	2990	4050	13.6	13.0	12.5
	20 + 35 + 35 + 35	1.60	2.80	2.80	2.80	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 35 + 35 + 50	1.43	2.50	2.50	3.57	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	20 + 35 + 35 + 60	1.33	2.33	2.33	4.00	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	20 + 35 + 50 + 50	1.29	2.26	3.23	3.23	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	25 + 25 + 25 + 25	2.50	2.50	2.50	2.50	-	-	4.4	10.0	12.0	1100	3030	4050	13.8	13.2	12.6
	25 + 25 + 25 + 35	2.27	2.27	2.27	3.18	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	25 + 25 + 25 + 50	2.00	2.00	2.00	4.00	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	25 + 25 + 25 + 60	1.85	1.85	1.85	4.44	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	25 + 25 + 35 + 35	2.08	2.08	2.92	2.92	-	-	4.4	10.0	12.0	1100	3020	4050	13.7	13.1	12.6
	25 + 25 + 35 + 50	1.85	1.85	2.59	3.70	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	25 + 25 + 35 + 60	1.72	1.72	2.41	4.14	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	25 + 25 + 50 + 50	1.67	1.67	3.33	3.33	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	25 + 25 + 50 + 60	1.56	1.56	3.13	3.75	-	-	4.4	10.0	12.0	1100	2990	4050	13.6	13.0	12.5
	25 + 35 + 35 + 35	1.92	2.69	2.69	2.69	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	25 + 35 + 35 + 50	1.72	2.41	2.41	3.45	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	25 + 35 + 35 + 60	1.61	2.26	2.26	3.87	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5
	25 + 35 + 50 + 50	1.56	2.19	3.13	3.13	-	-	4.4	10.0	12.0	1100	2990	4050	13.6	13.0	12.5
	35 + 35 + 35 + 35	2.50	2.50	2.50	2.50	-	-	4.4	10.0	12.0	1100	3010	4050	13.7	13.1	12.6
	35 + 35 + 35 + 50	2.26	2.26	2.26	3.23	-	-	4.4	10.0	12.0	1100	3000	4050	13.7	13.1	12.5

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	2.00	-	5.1	10.0	12.0	1210	2860	4030	13.0	12.4	11.9
	20 + 20 + 20 + 20 + 25	1.90	1.90	1.90	1.90	2.38	-	5.1	10.0	12.0	1210	2860	4030	13.0	12.4	11.9
	20 + 20 + 20 + 20 + 35	1.74	1.74	1.74	1.74	3.04	-	5.1	10.0	12.0	1210	2850	4030	13.0	12.4	11.9
	20 + 20 + 20 + 20 + 50	1.54	1.54	1.54	1.54	3.85	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 20 + 20 + 60	1.43	1.43	1.43	1.43	4.29	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 20 + 25 + 25	1.82	1.82	1.82	2.27	2.27	-	5.1	10.0	12.0	1210	2860	4030	13.0	12.4	11.9
	20 + 20 + 20 + 25 + 35	1.67	1.67	1.67	2.08	2.92	-	5.1	10.0	12.0	1210	2850	4030	13.0	12.4	11.9
	20 + 20 + 20 + 25 + 50	1.48	1.48	1.48	1.85	3.70	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 20 + 25 + 60	1.38	1.38	1.38	1.72	4.14	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 20 + 35 + 35	1.54	1.54	1.54	2.69	2.69	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 20 + 35 + 50	1.38	1.38	1.38	2.41	3.45	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 20 + 35 + 60	1.29	1.29	1.29	2.26	3.87	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	20 + 20 + 20 + 50 + 50	1.25	1.25	1.25	3.13	3.13	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	20 + 20 + 25 + 25 + 25	1.74	1.74	2.17	2.17	2.17	-	5.1	10.0	12.0	1210	2850	4030	13.0	12.4	11.9
	20 + 20 + 25 + 25 + 35	1.60	1.60	2.00	2.00	2.80	-	5.1	10.0	12.0	1210	2850	4030	13.0	12.4	11.9
	20 + 20 + 25 + 25 + 50	1.43	1.43	1.79	1.79	3.57	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 25 + 25 + 60	1.33	1.33	1.67	1.67	4.00	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 25 + 35 + 35	1.48	1.48	1.85	2.59	2.59	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 25 + 35 + 50	1.33	1.33	1.67	2.33	3.33	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 25 + 35 + 60	1.25	1.25	1.56	2.19	3.75	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	20 + 20 + 35 + 35 + 35	1.38	1.38	2.41	2.41	2.41	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 20 + 35 + 35 + 50	1.25	1.25	2.19	2.19	3.13	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	20 + 25 + 25 + 25 + 25	1.67	2.08	2.08	2.08	2.08	-	5.1	10.0	12.0	1210	2850	4030	13.0	12.4	11.9
	20 + 25 + 25 + 25 + 35	1.54	1.92	1.92	1.92	2.69	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 25 + 25 + 25 + 50	1.38	1.72	1.72	1.72	3.45	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 25 + 25 + 25 + 60	1.29	1.61	1.61	1.61	3.87	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	20 + 25 + 25 + 35 + 35	1.43	1.79	1.79	2.50	2.50	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 25 + 25 + 35 + 50	1.29	1.61	1.61	2.26	3.23	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	20 + 25 + 35 + 35 + 35	1.33	1.67	2.33	2.33	2.33	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	20 + 35 + 35 + 35 + 35	1.25	2.19	2.19	2.19	2.19	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	25 + 25 + 25 + 25 + 25	2.00	2.00	2.00	2.00	2.00	-	5.1	10.0	12.0	1210	2850	4030	13.0	12.4	11.9
	25 + 25 + 25 + 25 + 35	1.85	1.85	1.85	1.85	2.59	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	25 + 25 + 25 + 25 + 50	1.67	1.67	1.67	1.67	3.33	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	25 + 25 + 25 + 25 + 60	1.56	1.56	1.56	1.56	3.75	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	25 + 25 + 25 + 35 + 35	1.72	1.72	1.72	2.41	2.41	-	5.1	10.0	12.0	1210	2840	4030	12.9	12.4	11.8
	25 + 25 + 25 + 35 + 50	1.56	1.56	1.56	2.19	3.13	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8
	25 + 25 + 35 + 35 + 35	1.61	1.61	2.26	2.26	2.26	-	5.1	10.0	12.0	1210	2830	4030	12.9	12.3	11.8

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	-	-	1.5	3.0	3.7	700	1010	1330	4.6	4.4	4.3
	25	3.4	-	-	-	-	-	1.5	3.4	4.2	700	1150	1540	5.3	5.1	4.8
	35	4.5	-	-	-	-	-	1.5	4.5	5.0	700	1540	1840	7.1	6.8	6.5
	50	5.8	-	-	-	-	-	1.5	5.8	6.5	700	2000	2410	9.2	8.8	8.4
	60	6.8	-	-	-	-	-	1.5	6.8	7.5	700	2360	2760	10.8	10.4	9.9
2 room	20 + 20	3.00	3.00	-	-	-	-	2.1	6.0	7.4	750	1510	1460	6.9	6.6	6.4
	20 + 25	2.84	3.56	-	-	-	-	2.1	6.4	7.9	750	1630	2210	7.5	7.2	6.9
	20 + 35	2.73	4.77	-	-	-	-	2.1	7.5	8.7	750	1950	2520	9.0	8.6	8.2
	20 + 50	2.51	6.29	-	-	-	-	2.1	8.8	10.2	750	2380	3220	10.9	10.5	10.0
	20 + 60	2.45	7.35	-	-	-	-	2.1	9.8	11.2	750	2780	3620	12.8	12.2	11.7
	25 + 25	3.40	3.40	-	-	-	-	2.1	6.8	8.4	750	1740	2420	8.0	7.6	7.3
	25 + 35	3.29	4.61	-	-	-	-	2.1	7.9	9.2	750	2100	2820	9.6	9.2	8.8
	25 + 50	3.07	6.13	-	-	-	-	2.1	9.2	10.7	750	2580	3610	11.8	11.3	10.9
	25 + 60	3.00	7.20	-	-	-	-	2.1	10.2	11.7	750	2980	3790	13.7	13.1	12.5
	35 + 35	4.50	4.50	-	-	-	-	2.1	9.0	10.0	750	2470	3210	11.3	10.8	10.4
	35 + 50	4.24	6.06	-	-	-	-	2.1	10.3	11.5	750	2980	3710	13.7	13.1	12.5
	35 + 60	4.16	7.14	-	-	-	-	2.1	11.3	12.5	750	3430	4100	15.7	15.1	14.4
	50 + 50	5.80	5.80	-	-	-	-	2.1	11.6	13.0	750	3580	4320	16.4	15.7	15.1
	50 + 60	5.45	6.55	-	-	-	-	2.1	12.0	13.5	750	3720	4520	17.1	16.3	15.7
	60 + 60	6.00	6.00	-	-	-	-	2.1	12.0	13.5	750	3720	4520	17.1	16.3	15.7
3 room	20 + 20 + 20	3.00	3.00	3.00	-	-	-	3.2	9.0	11.1	780	2230	3350	10.2	9.8	9.4
	20 + 20 + 25	2.89	2.89	3.62	-	-	-	3.2	9.4	11.6	780	2350	3550	10.8	10.3	9.9
	20 + 20 + 35	2.80	2.80	4.90	-	-	-	3.2	10.5	12.4	780	2710	3820	12.4	11.9	11.4
	20 + 20 + 50	2.62	2.62	6.56	-	-	-	3.2	11.8	13.5	780	3210	4190	14.7	14.1	13.5
	20 + 20 + 60	2.40	2.40	7.20	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	20 + 25 + 25	2.80	3.50	3.50	-	-	-	3.2	9.8	12.1	780	2510	3720	11.5	11.0	10.6
	20 + 25 + 35	2.73	3.41	4.77	-	-	-	3.2	10.9	12.9	780	2910	3990	13.4	12.8	12.2
	20 + 25 + 50	2.53	3.16	6.32	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	20 + 25 + 60	2.29	2.86	6.86	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	20 + 35 + 35	2.67	4.67	4.67	-	-	-	3.2	12.0	13.5	780	3360	4190	15.4	14.8	14.1
	20 + 35 + 50	2.29	4.00	5.71	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	20 + 35 + 60	2.09	3.65	6.26	-	-	-	3.2	12.0	13.5	780	3340	4190	15.3	14.7	14.1
	20 + 50 + 50	2.00	5.00	5.00	-	-	-	3.2	12.0	13.5	780	3340	4190	15.3	14.7	14.1
	20 + 50 + 60	1.85	4.62	5.54	-	-	-	3.2	12.0	13.5	780	3340	4190	15.3	14.7	14.1
	20 + 60 + 60	1.71	5.14	5.14	-	-	-	3.2	12.0	13.5	780	3330	4190	15.3	14.6	14.0
	25 + 25 + 25	3.40	3.40	3.40	-	-	-	3.2	10.2	12.6	780	2710	3880	12.4	11.9	11.4
	25 + 25 + 35	3.32	3.32	4.65	-	-	-	3.2	11.3	13.4	780	3110	4120	14.3	13.7	13.1
	25 + 25 + 50	3.00	3.00	6.00	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	25 + 25 + 60	2.73	2.73	6.55	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	25 + 35 + 35	3.16	4.42	4.42	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	25 + 35 + 50	2.73	3.82	5.45	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	25 + 35 + 60	2.50	3.50	6.00	-	-	-	3.2	12.0	13.5	780	3340	4190	15.3	14.7	14.1
	25 + 50 + 50	2.40	4.80	4.80	-	-	-	3.2	12.0	13.5	780	3340	4190	15.3	14.7	14.1
	25 + 50 + 60	2.22	4.44	5.33	-	-	-	3.2	12.0	13.5	780	3330	4190	15.3	14.6	14.0
	25 + 60 + 60	2.07	4.97	4.97	-	-	-	3.2	12.0	13.5	780	3330	4190	15.3	14.6	14.0
	35 + 35 + 35	4.00	4.00	4.00	-	-	-	3.2	12.0	13.5	780	3350	4190	15.4	14.7	14.1
	35 + 35 + 50	3.50	3.50	5.00	-	-	-	3.2	12.0	13.5	780	3340	4190	15.3	14.7	14.1
	35 + 35 + 60	3.23	3.23	5.54	-	-	-	3.2	12.0	13.5	780	3340	4190	15.3	14.7	14.1
	35 + 50 + 50	3.11	4.44	4.44	-	-	-	3.2	12.0	13.5	780	3330	4190	15.3	14.6	14.0
	35 + 50 + 60	2.90	4.14	4.97	-	-	-	3.2	12.0	13.5	780	3330	4190	15.3	14.6	14.0
	35 + 60 + 60	2.71	4.65	4.65	-	-	-	3.2	12.0	13.5	780	3320	4190	15.2	14.6	14.0
	50 + 50 + 50	4.00	4.00	4.00	-	-	-	3.2	12.0	13.5	780	3330	4190	15.3	14.6	14.0
	50 + 50 + 60	3.75	3.75	4.50	-	-	-	3.2	12.0	13.5	780	3320	4190	15.2	14.6	14.0

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	3.00	3.00	3.00	3.00	-	-	3.6	12.0	13.5	950	3230	3840	14.7	14.1	13.5
	20 + 20 + 20 + 25	2.82	2.82	2.82	3.53	-	-	3.6	12.0	13.5	950	3230	3840	14.7	14.1	13.5
	20 + 20 + 20 + 35	2.53	2.53	2.53	4.42	-	-	3.6	12.0	13.5	950	3230	3840	14.7	14.1	13.5
	20 + 20 + 20 + 50	2.18	2.18	2.18	5.45	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 20 + 20 + 60	2.00	2.00	2.00	6.00	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 20 + 25 + 25	2.67	2.67	3.33	3.33	-	-	3.6	12.0	13.5	950	3230	3840	14.7	14.1	13.5
	20 + 20 + 25 + 35	2.40	2.40	3.00	4.20	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 20 + 25 + 50	2.09	2.09	2.61	5.22	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 20 + 25 + 60	1.92	1.92	2.40	5.76	-	-	3.6	12.0	13.5	950	3340	3840	15.2	14.5	13.9
	20 + 20 + 35 + 35	2.18	2.18	3.82	3.82	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 20 + 35 + 50	1.92	1.92	3.36	4.80	-	-	3.6	12.0	13.5	950	3340	3840	15.2	14.5	13.9
	20 + 20 + 35 + 60	1.78	1.78	3.11	5.33	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	20 + 20 + 50 + 50	1.71	1.71	4.29	4.29	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	20 + 20 + 50 + 60	1.60	1.60	4.00	4.80	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	20 + 20 + 60 + 60	1.50	1.50	4.50	4.50	-	-	3.6	12.0	13.5	950	3200	3840	14.6	13.9	13.3
	20 + 25 + 25 + 25	2.53	3.16	3.16	3.16	-	-	3.6	12.0	13.5	950	3230	3840	14.7	14.1	13.5
	20 + 25 + 25 + 35	2.29	2.86	2.86	4.00	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 25 + 25 + 50	2.00	2.50	2.50	5.00	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 25 + 25 + 60	1.85	2.31	2.31	5.54	-	-	3.6	12.0	13.5	950	3340	3840	15.2	14.5	13.9
	20 + 25 + 35 + 35	2.09	2.61	3.65	3.65	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	20 + 25 + 35 + 50	1.85	2.31	3.23	4.62	-	-	3.6	12.0	13.5	950	3340	3840	15.2	14.5	13.9
	20 + 25 + 35 + 60	1.71	2.14	3.00	5.14	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	20 + 25 + 50 + 50	1.66	2.07	4.14	4.14	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	20 + 25 + 50 + 60	1.55	1.94	3.87	4.65	-	-	3.6	12.0	13.5	950	3200	3840	14.6	13.9	13.3
	20 + 35 + 35 + 35	1.92	3.36	3.36	3.36	-	-	3.6	12.0	13.5	950	3340	3840	15.2	14.5	13.9
	20 + 35 + 35 + 50	1.71	3.00	3.00	4.29	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	20 + 35 + 35 + 60	1.60	2.80	2.80	4.80	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	20 + 35 + 50 + 50	1.55	2.71	3.87	3.87	-	-	3.6	12.0	13.5	950	3200	3840	14.6	13.9	13.3
	25 + 25 + 25 + 25	3.00	3.00	3.00	3.00	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	25 + 25 + 25 + 35	2.73	2.73	2.73	3.82	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	25 + 25 + 25 + 50	2.40	2.40	2.40	4.80	-	-	3.6	12.0	13.5	950	3340	3840	15.2	14.5	13.9
	25 + 25 + 25 + 60	2.22	2.22	2.22	5.33	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	25 + 25 + 35 + 35	2.50	2.50	3.50	3.50	-	-	3.6	12.0	13.5	950	3220	3840	14.7	14.0	13.4
	25 + 25 + 35 + 50	2.22	2.22	3.11	4.44	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	25 + 25 + 35 + 60	2.07	2.07	2.90	4.97	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	25 + 25 + 50 + 50	2.00	2.00	4.00	4.00	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	25 + 25 + 50 + 60	1.88	1.88	3.75	4.50	-	-	3.6	12.0	13.5	950	3200	3840	14.6	13.9	13.3
	25 + 35 + 35 + 35	2.31	3.23	3.23	3.23	-	-	3.6	12.0	13.5	950	3340	3840	15.2	14.5	13.9
	25 + 35 + 35 + 50	2.07	2.90	2.90	4.14	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	25 + 35 + 35 + 60	1.94	2.71	2.71	4.65	-	-	3.6	12.0	13.5	950	3200	3840	14.6	13.9	13.3
	25 + 35 + 50 + 50	1.88	2.63	3.75	3.75	-	-	3.6	12.0	13.5	950	3200	3840	14.6	13.9	13.3
	35 + 35 + 35 + 35	3.00	3.00	3.00	3.00	-	-	3.6	12.0	13.5	950	3210	3840	14.6	14.0	13.4
	35 + 35 + 35 + 50	2.71	2.71	2.71	3.87	-	-	3.6	12.0	13.5	950	3200	3840	14.6	13.9	13.3

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 20 + 20 + 20 + 20	2.40	2.40	2.40	2.40	2.40	-	4.0	12.0	13.5	1050	2930	3400	13.3	12.8	12.2
	20 + 20 + 20 + 20 + 25	2.29	2.29	2.29	2.29	2.86	-	4.0	12.0	13.5	1050	2920	3400	13.3	12.7	12.2
	20 + 20 + 20 + 20 + 35	2.09	2.09	2.09	2.09	3.65	-	4.0	12.0	13.5	1050	2920	3400	13.3	12.7	12.2
	20 + 20 + 20 + 20 + 50	1.85	1.85	1.85	1.85	4.62	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 20 + 20 + 60	1.71	1.71	1.71	1.71	5.14	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 20 + 25 + 25	2.18	2.18	2.18	2.73	2.73	-	4.0	12.0	13.5	1050	2920	3400	13.3	12.7	12.2
	20 + 20 + 20 + 25 + 35	2.00	2.00	2.00	2.50	3.50	-	4.0	12.0	13.5	1050	2920	3400	13.3	12.7	12.2
	20 + 20 + 20 + 25 + 50	1.78	1.78	1.78	2.22	4.44	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 20 + 25 + 60	1.66	1.66	1.66	2.07	4.97	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 20 + 35 + 35	1.85	1.85	1.85	3.23	3.23	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 20 + 35 + 50	1.66	1.66	1.66	2.90	4.14	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 20 + 35 + 60	1.55	1.55	1.55	2.71	4.65	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	20 + 20 + 20 + 50 + 50	1.50	1.50	1.50	3.75	3.75	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	20 + 20 + 25 + 25 + 25	2.09	2.09	2.61	2.61	2.61	-	4.0	12.0	13.5	1050	2920	3400	13.3	12.7	12.2
	20 + 20 + 25 + 25 + 35	1.92	1.92	2.40	2.40	3.36	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 25 + 25 + 50	1.71	1.71	2.14	2.14	4.29	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 25 + 25 + 60	1.60	1.60	2.00	2.00	4.80	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 25 + 35 + 35	1.78	1.78	2.22	3.11	3.11	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 25 + 35 + 50	1.60	1.60	2.00	2.80	4.00	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 25 + 35 + 60	1.50	1.50	1.88	2.63	4.50	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	20 + 20 + 35 + 35 + 35	1.66	1.66	2.90	2.90	2.90	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 20 + 35 + 35 + 50	1.50	1.50	2.63	2.63	3.75	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	20 + 25 + 25 + 25 + 25	2.00	2.50	2.50	2.50	2.50	-	4.0	12.0	13.5	1050	2920	3400	13.3	12.7	12.2
	20 + 25 + 25 + 25 + 35	1.85	2.31	2.31	2.31	3.23	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 25 + 25 + 25 + 50	1.66	2.07	2.07	2.07	4.14	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 25 + 25 + 25 + 60	1.55	1.94	1.94	1.94	4.65	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	20 + 25 + 25 + 35 + 35	1.71	2.14	2.14	3.00	3.00	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 25 + 25 + 35 + 50	1.55	1.94	1.94	2.71	3.87	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	20 + 25 + 35 + 35 + 35	1.60	2.00	2.80	2.80	2.80	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	20 + 35 + 35 + 35 + 35	1.50	2.63	2.63	2.63	2.63	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	25 + 25 + 25 + 25 + 25	2.40	2.40	2.40	2.40	2.40	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	25 + 25 + 25 + 25 + 35	2.22	2.22	2.22	2.22	3.11	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	25 + 25 + 25 + 25 + 50	2.00	2.00	2.00	2.00	4.00	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	25 + 25 + 25 + 25 + 60	1.88	1.88	1.88	1.88	4.50	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	25 + 25 + 25 + 35 + 35	2.07	2.07	2.07	2.90	2.90	-	4.0	12.0	13.5	1050	2910	3400	13.2	12.7	12.1
	25 + 25 + 25 + 35 + 50	1.88	1.88	1.88	2.63	3.75	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1
	25 + 25 + 35 + 35 + 35	1.94	1.94	2.71	2.71	2.71	-	4.0	12.0	13.5	1050	2900	3400	13.2	12.6	12.1

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(b) Indoor unit except SRK**ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	-	-	1.8	2.0	2.7	650	780	1100	3.6	3.4	3.3
	25	2.5	-	-	-	-	-	1.8	2.5	3.2	650	1000	1350	4.6	4.4	4.2
	35	3.5	-	-	-	-	-	1.8	3.5	3.7	650	1500	1600	6.9	6.6	6.3
	50	5.0	-	-	-	-	-	1.8	5.0	5.8	650	2150	2500	9.9	9.4	9.0
	60	6.0	-	-	-	-	-	1.8	6.0	6.7	650	2720	3000	12.5	11.9	11.4
	71	7.1	-	-	-	-	-	1.8	7.1	7.2	650	3250	3080	14.9	14.3	13.7
2 room	20 + 20	2.00	2.00	-	-	-	-	3.0	4.0	5.4	740	960	1460	4.4	4.2	4.0
	20 + 25	2.00	2.50	-	-	-	-	3.0	4.5	5.9	740	1100	1820	5.1	4.8	4.6
	20 + 35	2.00	3.50	-	-	-	-	3.0	5.5	6.4	740	1500	2020	6.9	6.6	6.3
	20 + 50	2.00	5.00	-	-	-	-	3.0	7.0	8.5	740	2290	2820	10.5	10.1	9.6
	20 + 60	2.00	6.00	-	-	-	-	3.0	8.0	9.4	740	2660	3360	12.2	11.7	11.2
	20 + 71	2.00	7.10	-	-	-	-	3.0	9.1	9.9	740	3100	3780	14.1	13.5	12.9
	25 + 25	2.50	2.50	-	-	-	-	3.0	5.0	6.8	740	1420	2200	6.5	6.2	6.0
	25 + 35	2.50	3.50	-	-	-	-	3.0	6.0	6.9	740	1810	2320	8.3	7.9	7.6
	25 + 50	2.50	5.00	-	-	-	-	3.0	7.5	9.0	740	2470	3220	11.3	10.8	10.4
	25 + 60	2.50	6.00	-	-	-	-	3.0	8.5	9.4	740	2810	3360	12.9	12.3	11.8
	25 + 71	2.53	7.17	-	-	-	-	3.0	9.7	10.4	740	3350	4020	15.4	14.7	14.1
	35 + 35	3.50	3.50	-	-	-	-	3.0	7.0	7.4	740	2290	2820	10.5	10.1	9.6
	35 + 50	3.50	5.00	-	-	-	-	3.0	8.5	9.5	740	2810	3620	12.9	12.3	11.8
	35 + 60	3.50	6.00	-	-	-	-	3.0	9.5	10.4	740	3280	3990	15.1	14.4	13.8
	35 + 71	3.30	6.70	-	-	-	-	3.0	10.0	10.9	740	3480	4250	15.8	15.1	14.5
	50 + 50	5.00	5.00	-	-	-	-	3.0	10.0	11.6	740	3480	4350	16.0	15.3	14.6
	50 + 60	4.55	5.45	-	-	-	-	3.0	10.0	11.8	740	3480	4410	16.0	15.3	14.6
	50 + 71	4.13	5.87	-	-	-	-	3.0	10.0	11.8	740	3470	4410	15.8	15.1	14.5
	60 + 60	5.00	5.00	-	-	-	-	3.0	10.0	11.8	740	3470	4410	15.9	15.2	14.6
	60 + 71	4.58	5.42	-	-	-	-	3.0	10.0	11.8	740	3470	4410	15.8	15.1	14.5
	71 + 71	5.00	5.00	-	-	-	-	3.0	10.0	11.8	740	3460	4410	15.6	14.9	14.3
3 room	20 + 20 + 20	2.00	2.00	2.00	-	-	-	3.7	6.0	8.1	880	1530	2490	7.0	6.7	6.4
	20 + 20 + 25	2.00	2.00	2.50	-	-	-	3.7	6.5	8.6	880	1730	2700	7.9	7.6	7.3
	20 + 20 + 35	2.00	2.00	3.50	-	-	-	3.7	7.5	9.1	880	2080	3120	9.6	9.1	8.8
	20 + 20 + 50	2.00	2.00	5.00	-	-	-	3.7	9.0	11.2	880	2730	4000	12.5	12.0	11.5
	20 + 20 + 60	2.00	2.00	6.00	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	20 + 20 + 71	1.80	1.80	6.40	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	20 + 25 + 25	2.00	2.50	2.50	-	-	-	3.7	7.0	9.1	880	1940	3210	8.9	8.5	8.2
	20 + 25 + 35	2.00	2.50	3.50	-	-	-	3.7	8.0	9.6	880	2440	3630	11.2	10.7	10.3
	20 + 25 + 50	2.00	2.50	5.00	-	-	-	3.7	9.5	11.5	880	3130	4120	14.4	13.7	13.2
	20 + 25 + 60	1.90	2.38	5.71	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	20 + 25 + 71	1.72	2.16	6.12	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	20 + 35 + 35	2.00	3.50	3.50	-	-	-	3.7	9.0	10.1	880	2920	3640	13.4	12.8	12.3
	20 + 35 + 50	1.90	3.33	4.76	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	20 + 35 + 60	1.74	3.04	5.22	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	20 + 35 + 71	1.59	2.78	5.63	-	-	-	4.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	20 + 50 + 50	1.67	4.17	4.17	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	20 + 50 + 60	1.54	3.85	4.62	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	20 + 50 + 71	1.42	3.55	5.04	-	-	-	3.7	10.0	11.8	881	3260	4250	15.0	14.3	13.7
	20 + 60 + 60	1.43	4.29	4.29	-	-	-	3.7	10.0	11.8	881	3260	4250	15.0	14.3	13.7
	20 + 60 + 71	1.32	3.97	4.70	-	-	-	3.7	10.0	11.8	881	3260	4250	15.0	14.3	13.7
	25 + 25 + 25	2.50	2.50	2.50	-	-	-	3.7	7.5	9.4	880	2130	3340	9.8	9.4	9.0
	25 + 25 + 35	2.50	2.50	3.50	-	-	-	3.7	8.5	9.9	880	2650	3540	12.2	11.6	11.2
	25 + 25 + 50	2.50	2.50	5.00	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	25 + 25 + 60	2.27	2.27	5.45	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	25 + 25 + 71	2.07	2.07	5.87	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	25 + 35 + 35	2.50	3.50	3.50	-	-	-	3.7	9.5	10.4	880	3130	3950	14.4	13.7	13.2
	25 + 35 + 50	2.27	3.18	4.55	-	-	-	3.7	10.0	11.8	880	3280	4250	15.1	14.4	13.8
	25 + 35 + 60	2.08	2.92	5.00	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
3 room	25 + 35 + 71	1.91	2.67	5.42	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	25 + 50 + 50	2.00	4.00	4.00	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	25 + 50 + 60	1.85	3.70	4.44	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	25 + 50 + 71	1.71	3.42	4.86	-	-	-	3.7	10.0	11.8	880	3260	4250	21.4	20.5	19.7
	25 + 60 + 60	1.72	4.14	4.14	-	-	-	3.7	10.0	11.8	880	3260	4250	21.4	20.5	19.7
	25 + 60 + 71	1.60	3.85	4.55	-	-	-	3.7	10.0	11.8	880	3260	4250	21.4	20.5	19.7
	35 + 35 + 35	3.33	3.33	3.33	-	-	-	3.7	10.0	10.9	880	3280	4120	15.1	14.4	13.8
	35 + 35 + 50	2.92	2.92	4.17	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	35 + 35 + 60	2.69	2.69	4.62	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	35 + 35 + 71	2.48	2.48	5.04	-	-	-	3.7	10.0	11.8	880	3260	4250	14.8	14.2	13.6
	35 + 50 + 50	2.59	3.70	3.70	-	-	-	3.7	10.0	11.8	880	3270	4250	15.0	14.4	13.8
	35 + 50 + 60	2.41	3.45	4.14	-	-	-	3.7	10.0	11.8	880	3260	4250	15.0	14.3	13.7
	35 + 50 + 71	2.24	3.21	4.55	-	-	-	3.7	10.0	11.8	880	3260	4250	15.0	14.3	13.7
	35 + 60 + 60	2.26	3.87	3.87	-	-	-	3.7	10.0	11.8	880	3260	4250	15.0	14.3	13.7
	50 + 50 + 50	3.33	3.33	3.33	-	-	-	3.7	10.0	11.8	880	3260	4250	15.0	14.3	13.7
	50 + 50 + 60	3.13	3.13	3.75	-	-	-	3.7	10.0	11.8	880	3260	4250	15.0	14.3	13.7
4 room	20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	-	-	4.4	8.0	10.8	1100	2110	3680	9.6	9.2	8.8
	20 + 20 + 20 + 25	2.00	2.00	2.00	2.50	-	-	4.4	8.5	11.1	1100	2390	3890	10.9	10.4	10.0
	20 + 20 + 20 + 35	2.00	2.00	2.00	3.50	-	-	4.4	9.5	11.6	1100	2900	3990	13.2	12.6	12.1
	20 + 20 + 20 + 50	1.82	1.82	1.82	4.55	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 20 + 20 + 60	1.67	1.67	1.67	5.00	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 20 + 20 + 71	1.53	1.53	1.53	5.42	-	-	4.4	10.0	11.8	1100	3200	4050	14.4	13.8	13.2
	20 + 20 + 25 + 25	2.00	2.00	2.50	2.50	-	-	4.4	9.0	11.6	1100	2600	3990	11.8	11.3	10.8
	20 + 20 + 25 + 35	2.00	2.00	2.50	3.50	-	-	4.4	10.0	11.8	1100	3220	4050	14.7	14.0	13.4
	20 + 20 + 25 + 50	1.74	1.74	2.17	4.35	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 20 + 25 + 60	1.60	1.60	2.00	4.80	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 20 + 25 + 71	1.47	1.47	1.84	5.22	-	-	4.4	10.0	11.8	1100	3200	4050	14.6	13.9	13.3
	20 + 20 + 35 + 35	1.82	1.82	3.18	3.18	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 20 + 35 + 50	1.60	1.60	2.80	4.00	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 20 + 35 + 60	1.48	1.48	2.59	4.44	-	-	4.4	10.0	11.8	1100	3200	4050	14.6	13.9	13.3
	20 + 20 + 35 + 71	1.37	1.37	2.40	4.86	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 20 + 50 + 50	1.43	1.43	3.57	3.57	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 20 + 50 + 60	1.33	1.33	3.33	4.00	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 20 + 60 + 60	1.25	1.25	3.75	3.75	-	-	4.4	10.0	11.8	1100	3180	4050	14.5	13.8	13.3
	20 + 25 + 25 + 25	2.00	2.50	2.50	2.50	-	-	4.4	9.5	11.8	1100	2900	4050	13.2	12.6	12.1
	20 + 25 + 25 + 35	1.90	2.38	2.38	3.33	-	-	4.4	10.0	11.8	1100	3220	4050	14.7	14.0	13.4
	20 + 25 + 25 + 50	1.67	2.08	2.08	4.17	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 25 + 25 + 60	1.54	1.92	1.92	4.62	-	-	4.4	10.0	11.8	1100	3200	4050	14.6	13.9	13.3
	21 + 26 + 26 + 71	1.46	1.81	1.81	4.93	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 25 + 35 + 35	1.74	2.17	3.04	3.04	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 25 + 35 + 50	1.54	1.92	2.69	3.85	-	-	4.4	10.0	11.8	1100	3200	4050	14.6	13.9	13.3
	20 + 25 + 35 + 60	1.43	1.79	2.50	4.29	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 25 + 35 + 71	1.32	1.66	2.32	4.70	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 25 + 50 + 50	1.38	1.72	3.45	3.45	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 25 + 50 + 60	1.29	1.61	3.23	3.87	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 35 + 35 + 35	1.60	2.80	2.80	2.80	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	20 + 35 + 35 + 50	1.43	2.50	2.50	3.57	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 35 + 35 + 60	1.33	2.33	2.33	4.00	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	20 + 35 + 50 + 50	1.29	2.26	3.23	3.23	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	25 + 25 + 25 + 25	2.50	2.50	2.50	2.50	-	-	4.4	10.0	11.8	1100	3220	4050	14.7	14.0	13.4
	25 + 25 + 25 + 35	2.27	2.27	2.27	3.18	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	25 + 25 + 25 + 50	2.00	2.00	2.00	4.00	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4
	25 + 25 + 25 + 60	1.85	1.85	1.85	4.44	-	-	4.4	10.0	11.8	1100	3200	4050	14.6	13.9	13.3
	25 + 25 + 25 + 71	1.71	1.71	1.71	4.86	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	25 + 25 + 35 + 35	2.08	2.08	2.92	2.92	-	-	4.4	10.0	11.8	1100	3210	4050	14.6	14.0	13.4

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	25 + 25 + 35 + 50	1.85	1.85	2.59	3.70	-	-	4.4	10.0	11.8	1100	3200	4050	14.6	13.9	13.3
	25 + 25 + 35 + 60	1.72	1.72	2.41	4.14	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	25 + 25 + 35 + 71	1.60	1.60	2.24	4.55	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	25 + 25 + 50 + 50	1.67	1.67	3.33	3.33	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	25 + 25 + 50 + 60	1.56	1.56	3.13	3.75	-	-	4.4	10.0	11.8	1100	3180	4050	14.5	13.8	13.3
	25 + 35 + 35 + 35	1.92	2.69	2.69	2.69	-	-	4.4	10.0	11.8	1100	3200	4050	14.6	13.9	13.3
	25 + 35 + 35 + 50	1.72	2.41	2.41	3.45	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	25 + 35 + 35 + 60	1.61	2.26	2.26	3.87	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	25 + 35 + 50 + 50	1.56	2.19	3.13	3.13	-	-	4.4	10.0	11.8	1100	3180	4050	14.5	13.8	13.3
	35 + 35 + 35 + 35	2.50	2.50	2.50	2.50	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
	35 + 35 + 35 + 50	2.26	2.26	2.26	3.23	-	-	4.4	10.0	11.8	1100	3190	4050	14.5	13.9	13.3
5 room	20 + 20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	2.00	-	5.1	10.0	11.8	1210	2950	4030	13.4	12.8	12.3
	20 + 20 + 20 + 20 + 25	1.90	1.90	1.90	1.90	2.38	-	5.1	10.0	11.8	1210	2950	4030	13.4	12.8	12.3
	20 + 20 + 20 + 20 + 35	1.74	1.74	1.74	1.74	3.04	-	5.1	10.0	11.8	1210	2950	4030	13.4	12.8	12.3
	20 + 20 + 20 + 20 + 50	1.54	1.54	1.54	1.54	3.85	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 20 + 20 + 20 + 60	1.43	1.43	1.43	1.43	4.29	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 20 + 20 + 71	1.32	1.32	1.32	1.32	4.70	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 20 + 25 + 25	1.82	1.82	1.82	2.27	2.27	-	5.1	10.0	11.8	1210	2950	4030	13.4	12.8	12.3
	20 + 20 + 20 + 25 + 35	1.67	1.67	1.67	2.08	2.92	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 20 + 20 + 25 + 50	1.48	1.48	1.48	1.85	3.70	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 20 + 20 + 25 + 60	1.38	1.38	1.38	1.72	4.14	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 20 + 25 + 71	1.28	1.28	1.28	1.60	4.55	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 20 + 35 + 35	1.54	1.54	1.54	2.69	2.69	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 20 + 20 + 35 + 50	1.38	1.38	1.38	2.41	3.45	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 20 + 35 + 60	1.29	1.29	1.29	2.26	3.87	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 20 + 50 + 50	1.25	1.25	1.25	3.13	3.13	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 25 + 25 + 25	1.74	1.74	2.17	2.17	2.17	-	5.1	10.0	11.8	1210	2950	4030	13.4	12.8	12.3
	20 + 20 + 25 + 25 + 35	1.60	1.60	2.00	2.00	2.80	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 20 + 25 + 25 + 50	1.43	1.43	1.79	1.79	3.57	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 25 + 25 + 60	1.33	1.33	1.67	1.67	4.00	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 25 + 35 + 35	1.48	1.48	1.85	2.59	2.59	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 20 + 25 + 35 + 50	1.33	1.33	1.67	2.33	3.33	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 25 + 35 + 60	1.25	1.25	1.56	2.19	3.75	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 35 + 35 + 35	1.38	1.38	2.41	2.41	2.41	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 20 + 35 + 35 + 50	1.25	1.25	2.19	2.19	3.13	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 25 + 25 + 25 + 25	1.67	2.08	2.08	2.08	2.08	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 25 + 25 + 25 + 35	1.54	1.92	1.92	1.92	2.69	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	20 + 25 + 25 + 25 + 50	1.38	1.72	1.72	1.72	3.45	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 25 + 25 + 25 + 60	1.29	1.61	1.61	1.61	3.87	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 25 + 25 + 35 + 35	1.43	1.79	1.79	2.50	2.50	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 25 + 25 + 35 + 50	1.29	1.61	1.61	2.26	3.23	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 25 + 35 + 35 + 35	1.33	1.67	2.33	2.33	2.33	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	20 + 35 + 35 + 35 + 35	1.25	2.19	2.19	2.19	2.19	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	25 + 25 + 25 + 25 + 25	2.00	2.00	2.00	2.00	2.00	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	25 + 25 + 25 + 25 + 35	1.85	1.85	1.85	1.85	2.59	-	5.1	10.0	11.8	1210	2940	4030	13.4	12.8	12.3
	25 + 25 + 25 + 25 + 50	1.67	1.67	1.67	1.67	3.33	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	25 + 25 + 25 + 25 + 60	1.56	1.56	1.56	1.56	3.75	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	25 + 25 + 25 + 35 + 35	1.72	1.72	1.72	2.41	2.41	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	25 + 25 + 25 + 35 + 50	1.56	1.56	1.56	2.19	3.13	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2
	25 + 25 + 35 + 35 + 35	1.61	1.61	2.26	2.26	2.26	-	5.1	10.0	11.8	1210	2930	4030	13.3	12.8	12.2

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	-	-	1.5	3.0	3.6	700	1220	1330	5.6	5.4	5.1
	25	3.4	-	-	-	-	-	1.5	3.4	4.1	700	1265	1540	5.8	5.6	5.3
	35	4.5	-	-	-	-	-	1.5	4.5	4.9	700	1650	1840	7.6	7.2	6.9
	50	5.8	-	-	-	-	-	1.5	5.8	6.4	700	2120	2410	9.7	9.3	8.9
	60	6.8	-	-	-	-	-	1.5	6.8	7.4	700	2500	2760	11.5	11.0	10.5
	71	8.0	-	-	-	-	-	1.5	8.0	8.1	700	3020	3090	13.9	13.3	12.7
2 room	20 + 20	3.00	3.00	-	-	-	-	2.1	6.0	7.2	750	1540	1860	7.1	6.8	6.5
	20 + 25	2.84	3.56	-	-	-	-	2.1	6.4	7.7	750	1660	2210	7.6	7.3	7.0
	20 + 35	2.73	4.77	-	-	-	-	2.1	7.5	8.5	750	1990	2520	9.1	8.7	8.4
	20 + 50	2.51	6.29	-	-	-	-	2.1	8.8	10.0	750	2430	3220	11.2	10.7	10.2
	20 + 60	2.45	7.35	-	-	-	-	2.1	9.8	11.0	750	2840	3620	13.0	12.5	12.0
	20 + 71	2.42	8.58	-	-	-	-	2.1	11.0	11.6	750	2840	3620	13.0	12.5	12.0
	25 + 25	3.40	3.40	-	-	-	-	2.1	6.8	8.2	750	1770	2420	8.1	7.8	7.4
	25 + 35	3.29	4.61	-	-	-	-	2.1	7.9	9.0	750	2140	2820	9.8	9.4	9.0
	25 + 50	3.07	6.13	-	-	-	-	2.1	9.2	10.5	750	2630	3610	12.1	11.6	11.1
	25 + 60	3.00	7.20	-	-	-	-	2.1	10.2	11.5	750	3040	3790	14.0	13.4	12.8
	25 + 71	2.97	8.43	-	-	-	-	2.1	11.4	12.1	750	3440	4250	15.8	15.1	14.5
	35 + 35	4.50	4.50	-	-	-	-	2.1	9.0	9.8	750	2520	3210	11.6	11.1	10.6
	35 + 50	4.24	6.06	-	-	-	-	2.1	10.3	11.3	750	3040	3710	14.0	13.4	12.8
	35 + 60	4.16	7.14	-	-	-	-	2.1	11.3	12.3	750	3420	4320	15.7	15.0	14.4
	35 + 71	3.96	8.04	-	-	-	-	2.1	12.0	12.9	750	4030	4690	18.5	17.7	17.0
	50 + 50	5.80	5.80	-	-	-	-	2.1	11.6	12.8	750	3660	4620	16.8	16.1	15.4
	50 + 60	5.45	6.55	-	-	-	-	2.1	12.0	13.3	750	4030	4920	18.5	17.7	17.0
	50 + 71	4.96	7.04	-	-	-	-	2.1	12.0	13.3	750	4030	4920	18.5	17.7	17.0
	60 + 60	6.00	6.00	-	-	-	-	2.1	12.0	13.3	750	4030	4920	18.5	17.7	17.0
	60 + 71	5.50	6.50	-	-	-	-	2.1	12.0	13.3	750	4030	4920	18.5	17.7	17.0
	71 + 71	6.00	6.00	-	-	-	-	2.1	12.0	13.3	750	4030	4920	18.5	17.7	17.0
3 room	20 + 20 + 20	3.00	3.00	3.00	-	-	-	3.2	9.0	10.9	780	2270	3350	10.4	10.0	9.6
	20 + 20 + 25	2.89	2.89	3.62	-	-	-	3.2	9.4	11.4	780	2400	3550	11.0	10.5	10.1
	20 + 20 + 35	2.80	2.80	4.90	-	-	-	3.2	10.5	12.2	780	2760	3820	12.7	12.1	11.6
	20 + 20 + 50	2.62	2.62	6.56	-	-	-	3.2	11.8	13.3	780	3270	4290	15.0	14.4	13.8
	20 + 20 + 60	2.40	2.40	7.20	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	20 + 20 + 71	2.16	2.16	7.68	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	20 + 25 + 25	2.80	3.50	3.50	-	-	-	3.2	9.8	11.9	780	2560	3720	11.8	11.2	10.8
	20 + 25 + 35	2.73	3.41	4.77	-	-	-	3.2	10.9	12.7	780	2970	3990	13.6	13.0	12.5
	20 + 25 + 50	2.53	3.16	6.32	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	20 + 25 + 60	2.29	2.86	6.86	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	20 + 25 + 71	2.07	2.59	7.34	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	20 + 35 + 35	2.67	4.67	4.67	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	20 + 35 + 50	2.29	4.00	5.71	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	20 + 35 + 60	2.09	3.65	6.26	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	20 + 35 + 71	1.90	3.33	6.76	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	20 + 50 + 50	2.00	5.00	5.00	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	20 + 50 + 60	1.85	4.62	5.54	-	-	-	3.2	12.0	13.3	780	3400	4290	15.6	14.9	14.3
	20 + 50 + 71	1.70	4.26	6.04	-	-	-	4.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	20 + 60 + 60	1.71	5.14	5.14	-	-	-	5.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	20 + 60 + 71	1.59	4.77	5.64	-	-	-	6.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	25 + 25 + 25	3.40	3.40	3.40	-	-	-	3.2	10.2	12.4	780	2760	3880	12.7	12.1	11.6
	25 + 25 + 35	3.32	3.32	4.65	-	-	-	3.2	11.3	13.2	780	3170	4120	14.6	13.9	13.3
	25 + 25 + 50	3.00	3.00	6.00	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	25 + 25 + 60	2.73	2.73	6.55	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	25 + 25 + 71	2.48	2.48	7.04	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	25 + 35 + 35	3.16	4.42	4.42	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	25 + 35 + 50	2.73	3.82	5.45	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
3 room	25 + 35 + 60	2.50	3.50	6.00	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	25 + 35 + 71	2.29	3.21	6.50	-	-	-	4.2	12.0	13.3	780	3400	4290	15.6	14.9	14.3
	25 + 50 + 50	2.40	4.80	4.80	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	25 + 50 + 60	2.22	4.44	5.33	-	-	-	3.2	12.0	13.3	780	3400	4290	15.6	14.9	14.3
	25 + 50 + 71	2.05	4.11	5.84	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	25 + 60 + 60	2.07	4.97	4.97	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	25 + 60 + 71	1.92	4.62	5.46	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	35 + 35 + 35	4.00	4.00	4.00	-	-	-	3.2	12.0	13.3	780	3420	4290	15.7	15.0	14.4
	35 + 35 + 50	3.50	3.50	5.00	-	-	-	3.2	12.0	13.3	780	3410	4290	15.7	15.0	14.4
	35 + 35 + 60	3.23	3.23	5.54	-	-	-	3.2	12.0	13.3	780	3400	4290	15.6	14.9	14.3
	35 + 35 + 71	2.98	2.98	6.04	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	35 + 50 + 50	3.11	4.44	4.44	-	-	-	3.2	12.0	13.3	780	3400	4290	15.6	14.9	14.3
	35 + 50 + 60	2.90	4.14	4.97	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	35 + 50 + 71	2.69	3.85	5.46	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	35 + 60 + 60	2.71	4.65	4.65	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	50 + 50 + 50	4.00	4.00	4.00	-	-	-	3.2	12.0	13.3	780	3390	4290	15.6	14.9	14.3
	50 + 50 + 60	3.75	3.75	4.50	-	-	-	3.2	12.0	13.3	780	3380	4290	15.5	14.8	14.2
4 room	20 + 20 + 20 + 20	3.00	3.00	3.00	3.00	-	-	3.6	12.0	13.3	950	3270	3920	14.9	14.2	13.6
	20 + 20 + 20 + 25	2.82	2.82	2.82	3.53	-	-	3.6	12.0	13.3	950	3270	3920	14.9	14.2	13.6
	20 + 20 + 20 + 35	2.53	2.53	2.53	4.42	-	-	3.6	12.0	13.3	950	3270	3920	14.9	14.2	13.6
	20 + 20 + 20 + 50	2.18	2.18	2.18	5.45	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	20 + 20 + 20 + 60	2.00	2.00	2.00	6.00	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 20 + 20 + 71	1.83	1.83	1.83	6.50	-	-	3.6	12.0	13.3	950	3250	3920	14.6	14.0	13.4
	20 + 20 + 25 + 25	2.67	2.67	3.33	3.33	-	-	3.6	12.0	13.3	950	3270	3920	14.9	14.2	13.6
	20 + 20 + 25 + 35	2.40	2.40	3.00	4.20	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	20 + 20 + 25 + 50	2.09	2.09	2.61	5.22	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	20 + 20 + 25 + 60	1.92	1.92	2.40	5.76	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 20 + 25 + 71	1.76	1.76	2.21	6.26	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 20 + 35 + 35	2.18	2.18	3.82	3.82	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	20 + 20 + 35 + 50	1.92	1.92	3.36	4.80	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 20 + 35 + 60	1.78	1.78	3.11	5.33	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 20 + 35 + 71	1.64	1.64	2.88	5.84	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 20 + 50 + 50	1.71	1.71	4.29	4.29	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 20 + 50 + 60	1.60	1.60	4.00	4.80	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 20 + 60 + 60	1.50	1.50	4.50	4.50	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 25 + 25 + 25	2.53	3.16	3.16	3.16	-	-	3.6	12.0	13.3	950	3270	3920	14.9	14.2	13.6
	20 + 25 + 25 + 35	2.29	2.86	2.86	4.00	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	20 + 25 + 25 + 50	2.00	2.50	2.50	5.00	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 25 + 25 + 60	1.85	2.31	2.31	5.54	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 25 + 25 + 71	1.70	2.13	2.13	6.04	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 25 + 35 + 35	2.09	2.61	3.65	3.65	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	20 + 25 + 35 + 50	1.85	2.31	3.23	4.62	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 25 + 35 + 60	1.71	2.14	3.00	5.14	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 25 + 35 + 71	1.59	1.99	2.78	5.64	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 25 + 50 + 50	1.66	2.07	4.14	4.14	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 25 + 50 + 60	1.55	1.94	3.87	4.65	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 35 + 35 + 35	1.92	3.36	3.36	3.36	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	20 + 35 + 35 + 50	1.71	3.00	3.00	4.29	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 35 + 35 + 60	1.60	2.80	2.80	4.80	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	20 + 35 + 50 + 50	1.55	2.71	3.87	3.87	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	25 + 25 + 25 + 25	3.00	3.00	3.00	3.00	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	25 + 25 + 25 + 35	2.73	2.73	2.73	3.82	-	-	3.6	12.0	13.3	950	3260	3920	14.8	14.2	13.6
	25 + 25 + 25 + 50	2.40	2.40	2.40	4.80	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	25 + 25 + 25 + 60	2.22	2.22	2.22	5.33	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	25 + 25 + 25 + 71	2.05	2.05	2.05	5.84	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	25 + 25 + 35 + 35	2.50	2.50	3.50	3.50	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	25 + 25 + 35 + 50	2.22	2.22	3.11	4.44	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	25 + 25 + 35 + 60	2.07	2.07	2.90	4.97	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	25 + 25 + 35 + 71	1.92	1.92	2.69	5.46	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	25 + 25 + 50 + 50	2.00	2.00	4.00	4.00	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	25 + 25 + 50 + 60	1.88	1.88	3.75	4.50	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	25 + 35 + 35 + 35	2.31	3.23	3.23	3.23	-	-	3.6	12.0	13.3	950	3250	3920	14.8	14.1	13.6
	25 + 35 + 35 + 50	2.07	2.90	2.90	4.14	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	25 + 35 + 35 + 60	1.94	2.71	2.71	4.65	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	25 + 35 + 50 + 50	1.88	2.63	3.75	3.75	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	35 + 35 + 35 + 35	3.00	3.00	3.00	3.00	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
	35 + 35 + 35 + 50	2.71	2.71	2.71	3.87	-	-	3.6	12.0	13.3	950	3240	3920	14.7	14.1	13.5
5 room	20 + 20 + 20 + 20 + 20	2.40	2.40	2.40	2.40	2.40	-	4.0	12.0	13.3	1050	3220	3620	14.7	14.0	13.4
	20 + 20 + 20 + 20 + 25	2.29	2.29	2.29	2.29	2.86	-	4.0	12.0	13.3	1050	3220	3620	14.7	14.0	13.4
	20 + 20 + 20 + 20 + 35	2.09	2.09	2.09	2.09	3.65	-	4.0	12.0	13.3	1050	3210	3620	14.6	14.0	13.4
	20 + 20 + 20 + 20 + 50	1.85	1.85	1.85	1.85	4.62	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 20 + 20 + 60	1.71	1.71	1.71	1.71	5.14	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 20 + 20 + 71	1.59	1.59	1.59	1.59	5.64	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 20 + 20 + 25 + 25	2.18	2.18	2.18	2.73	2.73	-	4.0	12.0	13.3	1050	3210	3620	14.6	14.0	13.4
	20 + 20 + 20 + 25 + 35	2.00	2.00	2.00	2.50	3.50	-	4.0	12.0	13.3	1050	3210	3620	14.6	14.0	13.4
	20 + 20 + 20 + 25 + 50	1.78	1.78	1.78	2.22	4.44	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 20 + 25 + 60	1.66	1.66	1.66	2.07	4.97	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 20 + 25 + 71	1.54	1.54	1.54	1.92	5.46	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 20 + 20 + 35 + 35	1.85	1.85	1.85	3.23	3.23	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 20 + 35 + 50	1.66	1.66	1.66	2.90	4.14	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 20 + 35 + 60	1.55	1.55	1.55	2.71	4.65	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 20 + 20 + 50 + 50	1.50	1.50	1.50	3.75	3.75	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 20 + 25 + 25 + 25	2.09	2.09	2.61	2.61	2.61	-	4.0	12.0	13.3	1050	3210	3620	14.6	14.0	13.4
	20 + 20 + 25 + 25 + 35	1.92	1.92	2.40	2.40	3.36	-	4.0	12.0	13.3	1050	3210	3620	14.6	14.0	13.4
	20 + 20 + 25 + 25 + 50	1.71	1.71	2.14	2.14	4.29	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 25 + 25 + 60	1.60	1.60	2.00	2.00	4.80	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 20 + 25 + 35 + 35	1.78	1.78	2.22	3.11	3.11	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 25 + 35 + 50	1.60	1.60	2.00	2.80	4.00	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 20 + 25 + 35 + 60	1.50	1.50	1.88	2.63	4.50	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 20 + 35 + 35 + 35	1.66	1.66	2.90	2.90	2.90	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 20 + 35 + 35 + 50	1.50	1.50	2.63	2.63	3.75	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 25 + 25 + 25 + 25	2.00	2.50	2.50	2.50	2.50	-	4.0	12.0	13.3	1050	3210	3620	14.6	14.0	13.4
	20 + 25 + 25 + 25 + 35	1.85	2.31	2.31	2.31	3.23	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 25 + 25 + 25 + 50	1.66	2.07	2.07	2.07	4.14	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 25 + 25 + 25 + 60	1.55	1.94	1.94	1.94	4.65	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 25 + 25 + 35 + 35	1.71	2.14	2.14	3.00	3.00	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	20 + 25 + 25 + 35 + 50	1.55	1.94	1.94	2.71	3.87	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 25 + 35 + 35 + 35	1.60	2.00	2.80	2.80	2.80	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	20 + 35 + 35 + 35 + 35	1.50	2.63	2.63	2.63	2.63	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	25 + 25 + 25 + 25 + 25	2.40	2.40	2.40	2.40	2.40	-	4.0	12.0	13.3	1050	3210	3620	14.6	14.0	13.4
	25 + 25 + 25 + 25 + 35	2.22	2.22	2.22	2.22	3.11	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	25 + 25 + 25 + 25 + 50	2.00	2.00	2.00	2.00	4.00	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	25 + 25 + 25 + 25 + 60	1.88	1.88	1.88	1.88	4.50	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	25 + 25 + 25 + 35 + 35	2.07	2.07	2.07	2.90	2.90	-	4.0	12.0	13.3	1050	3200	3620	14.6	13.9	13.3
	25 + 25 + 25 + 35 + 50	1.88	1.88	1.88	2.63	3.75	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3
	25 + 25 + 35 + 35 + 35	1.94	1.94	2.71	2.71	2.71	-	4.0	12.0	13.3	1050	3190	3620	14.5	13.9	13.3

ESP-PR-1056

(8) Model SCM125ZJ-S1

(a) Indoor unit SRK∗∗ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	-	-	1.8	2.0	2.8	650	750	1100	3.4	3.3	3.2
	25	2.5	-	-	-	-	-	1.8	2.5	3.4	650	950	1350	4.4	4.2	4.0
	35	3.5	-	-	-	-	-	1.8	3.5	3.9	650	1400	1600	6.4	6.1	5.9
	50	5.0	-	-	-	-	-	1.8	5.0	6.1	650	2000	2500	9.2	8.8	8.4
	60	6.0	-	-	-	-	-	1.8	6.0	7.0	650	2450	3000	11.2	10.8	10.3
2 room	20 + 20	2.00	2.00	-	-	-	-	3.0	4.0	5.6	740	910	1460	4.2	4.0	3.8
	20 + 25	2.00	2.50	-	-	-	-	3.0	4.5	6.2	740	1050	1820	4.8	4.6	4.4
	20 + 35	2.00	3.50	-	-	-	-	3.0	5.5	6.7	740	1430	2020	6.6	6.3	6.0
	20 + 50	2.00	5.00	-	-	-	-	3.0	7.0	8.9	740	2180	2820	10.0	9.6	9.2
	20 + 60	2.00	6.00	-	-	-	-	3.0	8.0	9.8	740	2530	3360	11.6	11.1	10.6
	25 + 25	2.50	2.50	-	-	-	-	3.0	5.0	6.8	740	1350	2200	6.2	5.9	5.7
	25 + 35	2.50	3.50	-	-	-	-	3.0	6.0	7.3	740	1720	2320	7.9	7.6	7.2
	25 + 50	2.50	5.00	-	-	-	-	3.0	7.5	9.5	740	2350	3220	10.8	10.3	9.9
	25 + 60	2.50	6.00	-	-	-	-	3.0	8.5	9.8	740	2680	3360	12.3	11.8	11.3
	35 + 35	3.50	3.50	-	-	-	-	3.0	7.0	7.8	740	2180	2820	10.0	9.6	9.2
	35 + 50	3.50	5.00	-	-	-	-	3.0	8.5	10.0	740	2680	3620	12.3	11.8	11.3
	35 + 60	3.50	6.00	-	-	-	-	3.0	9.5	10.9	740	3120	3990	14.3	13.7	13.1
	50 + 50	5.00	5.00	-	-	-	-	3.0	10.0	12.2	740	3350	4450	15.4	14.7	14.1
	50 + 60	5.00	6.00	-	-	-	-	3.0	11.0	12.5	740	3685	4520	16.9	16.2	15.5
	60 + 60	6.00	6.00	-	-	-	-	3.0	12.0	12.5	740	4200	4520	19.3	18.4	17.7
3 room	20 + 20 + 20	2.00	2.00	2.00	-	-	-	3.7	6.0	8.4	880	1460	2560	6.7	6.4	6.1
	20 + 20 + 25	2.00	2.00	2.50	-	-	-	3.7	6.5	9.0	880	1650	2700	7.6	7.2	6.9
	20 + 20 + 35	2.00	2.00	3.50	-	-	-	3.7	7.5	9.5	880	1980	3120	9.1	8.7	8.3
	20 + 20 + 50	2.00	2.00	5.00	-	-	-	3.7	9.0	11.7	880	2600	4120	11.9	11.4	10.9
	20 + 20 + 60	2.00	2.00	6.00	-	-	-	3.7	10.0	12.6	880	3120	4680	14.3	13.7	13.1
	20 + 25 + 25	2.00	2.50	2.50	-	-	-	3.7	7.0	9.6	880	1850	3210	8.5	8.1	7.8
	20 + 25 + 35	2.00	2.50	3.50	-	-	-	3.7	8.0	10.1	880	2320	3630	10.7	10.2	9.8
	20 + 25 + 50	2.00	2.50	5.00	-	-	-	3.7	9.5	12.3	880	2980	4510	13.7	13.1	12.5
	20 + 25 + 60	2.00	2.50	6.00	-	-	-	3.7	10.5	12.8	880	3590	4800	16.5	15.8	15.1
	20 + 35 + 35	2.00	3.50	3.50	-	-	-	3.7	9.0	10.6	880	2780	4120	12.8	12.2	11.7
	20 + 35 + 50	2.00	3.50	5.00	-	-	-	3.7	10.5	12.8	880	3590	4800	16.5	15.8	15.1
	20 + 35 + 60	2.00	3.50	6.00	-	-	-	3.7	11.5	12.8	880	3950	4800	18.1	17.3	16.6
	20 + 50 + 50	2.00	5.00	5.00	-	-	-	3.7	12.0	12.8	880	4230	4800	19.4	18.6	17.8
	20 + 50 + 60	1.92	4.81	5.77	-	-	-	3.7	12.5	12.8	880	4450	4800	20.4	19.5	18.7
	20 + 60 + 60	1.79	5.36	5.36	-	-	-	3.7	12.5	12.8	880	4450	4800	20.4	19.5	18.7
	25 + 25 + 25	2.50	2.50	2.50	-	-	-	3.7	7.5	10.2	880	2030	3640	9.3	8.9	8.5
	25 + 25 + 35	2.50	2.50	3.50	-	-	-	3.7	8.5	10.7	880	2520	3900	11.6	11.1	10.6
	25 + 25 + 50	2.50	2.50	5.00	-	-	-	3.7	10.0	12.8	880	3260	4800	15.0	14.3	13.7
	25 + 25 + 60	2.50	2.50	6.00	-	-	-	3.7	11.0	12.8	880	3720	4800	17.1	16.3	15.7
	25 + 35 + 35	2.50	3.50	3.50	-	-	-	3.7	9.5	11.2	880	2980	4510	13.7	13.1	12.5
	25 + 35 + 50	2.50	3.50	5.00	-	-	-	3.7	11.0	12.8	880	3720	4800	17.1	16.3	15.7
	25 + 35 + 60	2.50	3.50	6.00	-	-	-	3.7	12.0	12.8	880	4230	4800	19.4	18.6	17.8
	25 + 50 + 50	2.50	5.00	5.00	-	-	-	3.7	12.5	12.8	880	4450	4800	20.4	19.5	18.7
	25 + 50 + 60	2.31	4.63	5.56	-	-	-	3.7	12.5	12.8	880	4450	4800	20.4	19.5	18.7
	25 + 60 + 60	2.16	5.17	5.17	-	-	-	3.7	12.5	12.8	880	4450	4800	20.4	19.5	18.7
	35 + 35 + 35	3.50	3.50	3.50	-	-	-	3.7	10.5	11.7	880	3590	4180	16.5	15.8	15.1
	35 + 35 + 50	3.50	3.50	5.00	-	-	-	3.7	12.0	12.8	880	4230	4800	19.4	18.6	17.8
	35 + 35 + 60	3.37	3.37	5.77	-	-	-	3.7	12.5	12.8	880	4450	4800	20.4	19.5	18.7
	35 + 50 + 50	3.24	4.63	4.63	-	-	-	3.7	12.5	12.8	880	4450	4800	20.4	19.5	18.7
	35 + 50 + 60	3.02	4.31	5.17	-	-	-	3.7	12.5	12.8	880	4450	4800	20.2	19.3	18.5
	35 + 60 + 60	2.82	4.84	4.84	-	-	-	3.7	12.5	12.8	880	4450	4800	20.2	19.3	18.5
	50 + 50 + 50	4.17	4.17	4.17	-	-	-	3.7	12.5	12.8	880	4440	4800	20.4	19.5	18.7
	50 + 50 + 60	3.91	3.91	4.69	-	-	-	3.7	12.5	12.8	880	4440	4800	20.4	19.5	18.7
	50 + 60 + 60	3.68	4.41	4.41	-	-	-	3.7	12.5	12.8	880	4430	4800	20.3	19.5	18.6
	60 + 60 + 60	4.17	4.17	4.17	-	-	-	3.7	12.5	12.8	880	4430	4800	20.3	19.5	18.6

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	-	-	4.4	8.0	11.2	1100	2050	3680	9.3	8.9	8.6
	20 + 20 + 20 + 25	2.00	2.00	2.00	2.50	-	-	4.4	8.5	11.8	1100	2320	3890	10.6	10.1	9.7
	20 + 20 + 20 + 35	2.00	2.00	2.00	3.50	-	-	4.4	9.5	12.3	1100	2820	4530	12.8	12.3	11.8
	20 + 20 + 20 + 50	2.00	2.00	2.00	5.00	-	-	4.4	11.0	13.0	1100	3480	4800	15.8	15.1	14.5
	20 + 20 + 20 + 60	2.00	2.00	2.00	6.00	-	-	4.4	12.0	13.0	1100	3980	4800	18.1	17.3	16.6
	20 + 20 + 25 + 25	2.00	2.00	2.50	2.50	-	-	4.4	9.0	12.4	1100	2520	4590	11.5	11.0	10.5
	20 + 20 + 25 + 35	2.00	2.00	2.50	3.50	-	-	4.4	10.0	12.9	1100	3120	4780	14.2	13.6	13.0
	20 + 20 + 25 + 50	2.00	2.00	2.50	5.00	-	-	4.4	11.5	13.0	1100	3720	4800	16.9	16.2	15.5
	20 + 20 + 25 + 60	2.00	2.00	2.50	6.00	-	-	4.4	12.5	13.0	1100	4600	4800	20.9	20.0	19.2
	20 + 20 + 35 + 35	2.00	2.00	3.50	3.50	-	-	4.4	11.0	13.0	1100	3480	4800	15.8	15.1	14.5
	20 + 20 + 35 + 50	2.00	2.00	3.50	5.00	-	-	4.4	12.5	13.0	1100	4600	4800	20.9	20.0	19.2
	20 + 20 + 35 + 60	1.85	1.85	3.24	5.56	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	20 + 20 + 50 + 50	1.79	1.79	4.46	4.46	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	20 + 20 + 50 + 60	1.67	1.67	4.17	5.00	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	20 + 20 + 60 + 60	1.56	1.56	4.69	4.69	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	20 + 25 + 25 + 25	2.00	2.50	2.50	2.50	-	-	4.4	9.5	13.0	1100	2820	4800	12.8	12.3	11.8
	20 + 25 + 25 + 35	2.00	2.50	2.50	3.50	-	-	4.4	10.5	13.0	1100	3340	4800	15.2	14.5	13.9
	20 + 25 + 25 + 50	2.00	2.50	2.50	5.00	-	-	4.4	12.0	13.0	1100	3980	4800	18.1	17.3	16.6
	20 + 25 + 25 + 60	1.92	2.40	2.40	5.77	-	-	4.4	12.5	13.0	1100	4600	4800	20.9	20.0	19.2
	20 + 25 + 35 + 35	2.00	2.50	3.50	3.50	-	-	4.4	11.5	13.0	1100	3720	4800	16.9	16.2	15.5
	20 + 25 + 35 + 50	1.92	2.40	3.37	4.81	-	-	4.4	12.5	13.0	1100	4600	4800	20.9	20.0	19.2
	20 + 25 + 35 + 60	1.79	2.23	3.13	5.36	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	20 + 25 + 50 + 50	1.72	2.16	4.31	4.31	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	20 + 25 + 50 + 60	1.61	2.02	4.03	4.84	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	20 + 25 + 60 + 60	1.52	1.89	4.55	4.55	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	20 + 35 + 35 + 35	2.00	3.50	3.50	3.50	-	-	4.4	12.5	13.0	1100	4600	4800	20.9	20.0	19.2
	20 + 35 + 35 + 50	1.79	3.13	3.13	4.46	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	20 + 35 + 35 + 60	1.67	2.92	2.92	5.00	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	20 + 35 + 50 + 50	1.61	2.82	4.03	4.03	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	20 + 35 + 50 + 60	1.52	2.65	3.79	4.55	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	20 + 35 + 60 + 60	1.43	2.50	4.29	4.29	-	-	5.4	12.5	13.0	1100	4570	4801	20.6	19.7	18.9
	20 + 50 + 50 + 50	1.47	3.68	3.68	3.68	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	20 + 50 + 50 + 60	1.39	3.47	3.47	4.17	-	-	4.4	12.5	13.0	1100	4570	4800	20.8	19.9	19.1
	20 + 50 + 60 + 60	1.32	3.29	3.95	3.95	-	-	4.4	12.5	13.0	1100	4560	4800	20.7	19.8	19.0
	25 + 25 + 25 + 25	2.50	2.50	2.50	2.50	-	-	4.4	10.0	13.0	1100	3120	4800	14.2	13.6	13.0
	25 + 25 + 25 + 35	2.50	2.50	2.50	3.50	-	-	4.4	11.0	13.0	1100	3480	4800	15.8	15.1	14.5
	25 + 25 + 25 + 50	2.50	2.50	2.50	5.00	-	-	4.4	12.5	13.0	1100	4600	4800	20.9	20.0	19.2
	25 + 25 + 25 + 60	2.31	2.31	2.31	5.56	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	25 + 25 + 35 + 35	2.50	2.50	3.50	3.50	-	-	4.4	12.0	13.0	1100	3980	4800	18.1	17.3	16.6
	25 + 25 + 35 + 50	2.31	2.31	3.24	4.63	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	25 + 25 + 35 + 60	2.16	2.16	3.02	5.17	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	25 + 25 + 50 + 50	2.08	2.08	4.17	4.17	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	25 + 25 + 50 + 60	1.95	1.95	3.91	4.69	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	25 + 25 + 60 + 60	1.84	1.84	4.41	4.41	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	25 + 35 + 35 + 35	2.40	3.37	3.37	3.37	-	-	4.4	12.5	13.0	1100	4600	4800	20.9	20.0	19.2
	25 + 35 + 35 + 50	2.16	3.02	3.02	4.31	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	25 + 35 + 35 + 60	2.02	2.82	2.82	4.84	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	25 + 35 + 50 + 50	1.95	2.73	3.91	3.91	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	25 + 35 + 50 + 60	1.84	2.57	3.68	4.41	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	25 + 35 + 60 + 60	1.74	2.43	4.17	4.17	-	-	4.4	12.5	13.0	1100	4570	4800	20.8	19.9	19.1
	25 + 50 + 50 + 50	1.79	3.57	3.57	3.57	-	-	4.4	12.5	13.0	1100	4570	4800	20.8	19.9	19.1
	25 + 50 + 50 + 60	1.69	3.38	3.38	4.05	-	-	4.4	12.5	13.0	1100	4570	4800	20.8	19.9	19.1
	25 + 50 + 60 + 60	1.60	3.21	3.85	3.85	-	-	4.4	12.5	13.0	1100	4560	4800	20.7	19.8	19.0
	35 + 35 + 35 + 35	3.13	3.13	3.13	3.13	-	-	4.4	12.5	13.0	1100	4590	4800	20.9	20.0	19.1
	35 + 35 + 35 + 50	2.82	2.82	2.82	4.03	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	35 + 35 + 35 + 60	2.65	2.65	2.65	4.55	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	35 + 35 + 50 + 50	2.57	2.57	3.68	3.68	-	-	4.4	12.5	13.0	1100	4580	4800	20.8	19.9	19.1
	35 + 35 + 50 + 60	2.43	2.43	3.47	4.17	-	-	4.4	12.5	13.0	1100	4570	4800	20.8	19.9	19.1
	35 + 35 + 60 + 60	2.30	2.30	3.95	3.95	-	-	4.4	12.5	13.0	1100	4560	4800	20.7	19.8	19.0
	35 + 50 + 50 + 50	2.36	3.38	3.38	3.38	-	-	4.4	12.5	13.0	1100	4570	4800	20.8	19.9	19.1
	35 + 50 + 50 + 60	2.24	3.21	3.21	3.85	-	-	4.4	12.5	13.0	1100	4560	4800	20.7	19.8	19.0
5 room	20 + 20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	2.00	-	5.1	10.0	13.5	1210	2880	4800	13.1	12.5	12.0
	20 + 20 + 20 + 20 + 25	2.00	2.00	2.00	2.00	2.50	-	5.1	10.5	13.5	1210	3120	4800	14.2	13.6	13.0
	20 + 20 + 20 + 20 + 35	2.00	2.00	2.00	2.00	3.50	-	5.1	11.5	13.5	1210	3620	4800	16.5	15.8	15.1
	20 + 20 + 20 + 20 + 50	1.92	1.92	1.92	1.92	4.81	-	5.1	12.5	13.5	1210	4320	4800	19.7	18.8	18.0
	20 + 20 + 20 + 20 + 60	1.79	1.79	1.79	1.79	5.36	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	20 + 20 + 20 + 25 + 25	2.00	2.00	2.00	2.50	2.50	-	5.1	11.0	13.5	1210	3320	4800	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 35	2.00	2.00	2.00	2.50	3.50	-	5.1	12.0	13.5	1210	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 25 + 50	1.85	1.85	1.85	2.31	4.63	-	5.1	12.5	13.5	1210	4320	4800	19.7	18.8	18.0
	20 + 20 + 20 + 25 + 60	1.72	1.72	1.72	2.16	5.17	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	20 + 20 + 20 + 35 + 35	1.92	1.92	1.92	3.37	3.37	-	5.1	12.5	13.5	1210	4320	4800	19.7	18.8	18.0
	20 + 20 + 20 + 35 + 50	1.72	1.72	1.72	3.02	4.31	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	20 + 20 + 20 + 35 + 60	1.61	1.61	1.61	2.82	4.84	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 20 + 20 + 50 + 50	1.56	1.56	1.56	3.91	3.91	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 20 + 20 + 50 + 60	1.47	1.47	1.47	3.68	4.41	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	20 + 20 + 20 + 60 + 60	1.39	1.39	1.39	4.17	4.17	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 20 + 25 + 25 + 25	2.00	2.00	2.50	2.50	2.50	-	5.1	11.5	13.5	1210	3620	4800	16.5	15.8	15.1
	20 + 20 + 25 + 25 + 35	2.00	2.00	2.50	2.50	3.50	-	5.1	12.5	13.5	1210	4330	4800	19.7	18.8	18.1
	20 + 20 + 25 + 25 + 50	1.79	1.79	2.23	2.23	4.46	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	20 + 20 + 25 + 25 + 60	1.67	1.67	2.08	2.08	5.00	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 20 + 25 + 35 + 35	1.85	1.85	2.31	3.24	3.24	-	5.1	12.5	13.5	1210	4320	4800	19.7	18.8	18.0
	20 + 20 + 25 + 35 + 50	1.67	1.67	2.08	2.92	4.17	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 20 + 25 + 35 + 60	1.56	1.56	1.95	2.73	4.69	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 20 + 25 + 50 + 50	1.52	1.52	1.89	3.79	3.79	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	20 + 20 + 25 + 50 + 60	1.43	1.43	1.79	3.57	4.29	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 20 + 25 + 60 + 60	1.35	1.35	1.69	4.05	4.05	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 20 + 35 + 35 + 35	1.72	1.72	3.02	3.02	3.02	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	20 + 20 + 35 + 35 + 50	1.56	1.56	2.73	2.73	3.91	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 20 + 35 + 35 + 60	1.47	1.47	2.57	2.57	4.41	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	20 + 20 + 35 + 50 + 50	1.43	1.43	2.50	3.57	3.57	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 20 + 35 + 50 + 60	1.35	1.35	2.36	3.38	4.05	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 20 + 35 + 60 + 60	1.28	1.28	2.24	3.85	3.85	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	20 + 20 + 50 + 50 + 50	1.32	1.32	3.29	3.29	3.29	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	20 + 25 + 25 + 25 + 25	2.00	2.50	2.50	2.50	2.50	-	5.1	12.0	13.5	1210	3990	4800	18.2	17.4	16.6
	20 + 25 + 25 + 25 + 35	1.92	2.40	2.40	2.40	3.37	-	5.1	12.5	13.5	1210	4320	4800	19.7	18.8	18.0
	20 + 25 + 25 + 25 + 50	1.72	2.16	2.16	2.16	4.31	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	20 + 25 + 25 + 25 + 60	1.61	2.02	2.02	2.02	4.84	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 25 + 25 + 35 + 35	1.79	2.23	2.23	3.13	3.13	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	20 + 25 + 25 + 35 + 50	1.61	2.02	2.02	2.82	4.03	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 25 + 25 + 35 + 60	1.52	1.89	1.89	2.65	4.55	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	20 + 25 + 25 + 50 + 50	1.47	1.84	1.84	3.68	3.68	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	20 + 25 + 25 + 50 + 60	1.39	1.74	1.74	3.47	4.17	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 25 + 25 + 60 + 60	1.32	1.64	1.64	3.95	3.95	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	20 + 25 + 35 + 35 + 35	1.67	2.08	2.92	2.92	2.92	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 25 + 35 + 35 + 50	1.52	1.89	2.65	2.65	3.79	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	20 + 25 + 35 + 35 + 60	1.43	1.79	2.50	2.50	4.29	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 25 + 35 + 50 + 50	1.39	1.74	2.43	3.47	3.47	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 25 + 35 + 50 + 60	1.32	1.64	2.30	3.29	3.95	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 25 + 50 + 50 + 50	1.28	1.60	3.21	3.21	3.21	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	20 + 35 + 35 + 35 + 35	1.56	2.73	2.73	2.73	2.73	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	20 + 35 + 35 + 35 + 50	1.43	2.50	2.50	2.50	3.57	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 35 + 35 + 35 + 60	1.35	2.36	2.36	2.36	4.05	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	20 + 35 + 35 + 50 + 50	1.32	2.30	2.30	3.29	3.29	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	25 + 25 + 25 + 25 + 25	2.50	2.50	2.50	2.50	2.50	-	5.1	12.5	13.5	1210	4330	4800	19.7	18.8	18.1
	25 + 25 + 25 + 25 + 35	2.31	2.31	2.31	2.31	3.24	-	5.1	12.5	13.5	1210	4320	4800	19.7	18.8	18.0
	25 + 25 + 25 + 25 + 50	2.08	2.08	2.08	2.08	4.17	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	25 + 25 + 25 + 25 + 60	1.95	1.95	1.95	1.95	4.69	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	25 + 25 + 25 + 35 + 35	2.16	2.16	2.16	3.02	3.02	-	5.1	12.5	13.5	1210	4310	4800	19.6	18.8	18.0
	25 + 25 + 25 + 35 + 50	1.95	1.95	1.95	2.73	3.91	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	25 + 25 + 25 + 35 + 60	1.84	1.84	1.84	2.57	4.41	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	25 + 25 + 25 + 50 + 50	1.79	1.79	1.79	3.57	3.57	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	25 + 25 + 25 + 50 + 60	1.69	1.69	1.69	3.38	4.05	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	25 + 25 + 25 + 60 + 60	1.60	1.60	1.60	3.85	3.85	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	25 + 25 + 35 + 35 + 35	2.02	2.02	2.82	2.82	2.82	-	5.1	12.5	13.5	1210	4300	4800	19.6	18.7	17.9
	25 + 25 + 35 + 35 + 50	1.84	1.84	2.57	2.57	3.68	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	25 + 25 + 35 + 35 + 60	1.74	1.74	2.43	2.43	4.17	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	25 + 25 + 35 + 50 + 50	1.69	1.69	2.36	3.38	3.38	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	25 + 25 + 35 + 50 + 60	1.60	1.60	2.24	3.21	3.85	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	25 + 35 + 35 + 35 + 35	1.89	2.65	2.65	2.65	2.65	-	5.1	12.5	13.5	1210	4290	4800	19.5	18.7	17.9
	25 + 35 + 35 + 35 + 50	1.74	2.43	2.43	2.43	3.47	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	25 + 35 + 35 + 35 + 60	1.64	2.30	2.30	2.30	3.95	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	25 + 35 + 35 + 50 + 50	1.60	2.24	2.24	3.21	3.21	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
	35 + 35 + 35 + 35 + 35	2.50	2.50	2.50	2.50	2.50	-	5.1	12.5	13.5	1210	4280	4800	19.5	18.6	17.9
	35 + 35 + 35 + 35 + 50	2.30	2.30	2.30	2.30	3.29	-	5.1	12.5	13.5	1210	4270	4800	19.4	18.6	17.8
6 room	20 + 20 + 20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	2.00	2.00	5.5	12.0	13.8	1280	3660	4620	16.7	15.9	15.3
	20 + 20 + 20 + 20 + 20 + 25	2.00	2.00	2.00	2.00	2.00	2.50	5.5	12.5	14.0	1280	3900	4800	17.7	17.0	16.3
	20 + 20 + 20 + 20 + 20 + 35	1.85	1.85	1.85	1.85	1.85	3.24	5.5	12.5	14.0	1280	3890	4800	17.7	16.9	16.2
	20 + 20 + 20 + 20 + 20 + 50	1.67	1.67	1.67	1.67	1.67	4.17	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 20 + 20 + 20 + 20 + 60	1.56	1.56	1.56	1.56	1.56	4.69	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 20 + 20 + 20 + 25 + 25	1.92	1.92	1.92	1.92	2.40	2.40	5.5	12.5	14.0	1280	3900	4800	17.7	17.0	16.3
	20 + 20 + 20 + 20 + 25 + 35	1.79	1.79	1.79	1.79	2.23	3.13	5.5	12.5	14.0	1280	3880	4800	17.7	16.9	16.2
	20 + 20 + 20 + 20 + 25 + 50	1.61	1.61	1.61	1.61	2.02	4.03	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 20 + 20 + 20 + 25 + 60	1.52	1.52	1.52	1.52	1.89	4.55	5.5	12.5	14.0	1280	3850	4800	17.5	16.8	16.1
	20 + 20 + 20 + 20 + 35 + 35	1.67	1.67	1.67	1.67	2.92	2.92	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 20 + 20 + 20 + 35 + 50	1.52	1.52	1.52	1.52	2.65	3.79	5.5	12.5	14.0	1280	3850	4800	17.5	16.8	16.1
	20 + 20 + 20 + 20 + 35 + 60	1.43	1.43	1.43	1.43	2.50	4.29	5.5	12.5	14.0	1280	3830	4800	17.4	16.7	16.0
	20 + 20 + 20 + 20 + 50 + 50	1.39	1.39	1.39	1.39	3.47	3.47	5.5	12.5	14.0	1280	3820	4800	17.4	16.6	15.9
	20 + 20 + 20 + 20 + 50 + 60	1.32	1.32	1.32	1.32	3.29	3.95	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 20 + 20 + 25 + 25 + 25	1.85	1.85	1.85	2.31	2.31	2.31	5.5	12.5	14.0	1280	3890	4800	17.7	16.9	16.2
	20 + 20 + 20 + 25 + 25 + 35	1.72	1.72	1.72	2.16	2.16	3.02	5.5	12.5	14.0	1280	3870	4800	17.6	16.8	16.1
	20 + 20 + 20 + 25 + 25 + 50	1.56	1.56	1.56	1.95	1.95	3.91	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 20 + 20 + 25 + 25 + 60	1.47	1.47	1.47	1.84	1.84	4.41	5.5	12.5	14.0	1280	3840	4800	17.5	16.7	16.0
	20 + 20 + 20 + 25 + 35 + 35	1.61	1.61	1.61	2.02	2.82	2.82	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 20 + 20 + 25 + 35 + 50	1.47	1.47	1.47	1.84	2.57	3.68	5.5	12.5	14.0	1280	3840	4800	17.5	16.7	16.0
	20 + 20 + 20 + 25 + 35 + 60	1.39	1.39	1.39	1.74	2.43	4.17	5.5	12.5	14.0	1280	3820	4800	17.4	16.6	15.9
	20 + 20 + 20 + 25 + 50 + 50	1.35	1.35	1.35	1.69	3.38	3.38	5.5	12.5	14.0	1280	3810	4800	17.3	16.6	15.9
	20 + 20 + 20 + 25 + 50 + 60	1.28	1.28	1.28	1.60	3.21	3.85	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 20 + 20 + 35 + 35 + 35	1.52	1.52	1.52	2.65	2.65	2.65	5.5	12.5	14.0	1280	3850	4800	17.5	16.8	16.1
	20 + 20 + 20 + 35 + 35 + 50	1.39	1.39	1.39	2.43	2.43	3.47	5.5	12.5	14.0	1280	3820	4800	17.4	16.6	15.9
	20 + 20 + 20 + 35 + 35 + 60	1.32	1.32	1.32	2.30	2.30	3.95	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 20 + 20 + 35 + 50 + 50	1.28	1.28	1.28	2.24	3.21	3.21	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 20 + 25 + 25 + 25 + 25	1.79	1.79	2.23	2.23	2.23	2.23	5.5	12.5	14.0	1280	3880	4800	17.7	16.9	16.2
	20 + 20 + 25 + 25 + 25 + 35	1.67	1.67	2.08	2.08	2.08	2.92	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
6 room	20 + 20 + 25 + 25 + 25 + 50	1.52	1.52	1.89	1.89	1.89	3.79	5.5	12.5	14.0	1280	3850	4800	17.5	16.8	16.1
	20 + 20 + 25 + 25 + 25 + 60	1.43	1.43	1.79	1.79	1.79	4.29	5.5	12.5	14.0	1280	3830	4800	17.4	16.7	16.0
	20 + 20 + 25 + 25 + 35 + 35	1.56	1.56	1.95	1.95	2.73	2.73	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 20 + 25 + 25 + 35 + 50	1.43	1.43	1.79	1.79	2.50	3.57	5.5	12.5	14.0	1280	3830	4800	17.4	16.7	16.0
	20 + 20 + 25 + 25 + 35 + 60	1.35	1.35	1.69	1.69	2.36	4.05	5.5	12.5	14.0	1280	3810	4800	17.3	16.6	15.9
	20 + 20 + 25 + 25 + 50 + 50	1.32	1.32	1.64	1.64	3.29	3.29	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 20 + 25 + 35 + 35 + 35	1.47	1.47	1.84	2.57	2.57	2.57	5.5	12.5	14.0	1280	3840	4800	17.5	16.7	16.0
	20 + 20 + 25 + 35 + 35 + 50	1.35	1.35	1.69	2.36	2.36	3.38	5.5	12.5	14.0	1280	3810	4800	17.3	16.6	15.9
	20 + 20 + 25 + 35 + 35 + 60	1.28	1.28	1.60	2.24	2.24	3.85	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 20 + 35 + 35 + 35 + 35	1.39	1.39	2.43	2.43	2.43	2.43	5.5	12.5	14.0	1280	3820	4800	17.4	16.6	15.9
	20 + 20 + 35 + 35 + 35 + 50	1.28	1.28	2.24	2.24	2.24	3.21	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 25 + 25 + 25 + 25 + 25	1.72	2.16	2.16	2.16	2.16	2.16	5.5	12.5	14.0	1280	3870	4800	17.6	16.8	16.1
	20 + 25 + 25 + 25 + 25 + 35	1.61	2.02	2.02	2.02	2.02	2.82	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	20 + 25 + 25 + 25 + 25 + 50	1.47	1.84	1.84	1.84	1.84	3.68	5.5	12.5	14.0	1280	3840	4800	17.5	16.7	16.0
	20 + 25 + 25 + 25 + 25 + 60	1.39	1.74	1.74	1.74	1.74	4.17	5.5	12.5	14.0	1280	3820	4800	17.4	16.6	15.9
	20 + 25 + 25 + 25 + 35 + 35	1.52	1.89	1.89	1.89	2.65	2.65	5.5	12.5	14.0	1280	3850	4800	17.5	16.8	16.1
	20 + 25 + 25 + 25 + 35 + 50	1.39	1.74	1.74	1.74	2.43	3.47	5.5	12.5	14.0	1280	3820	4800	17.4	16.6	15.9
	20 + 25 + 25 + 25 + 35 + 60	1.32	1.64	1.64	1.64	2.30	3.95	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 25 + 25 + 25 + 50 + 50	1.28	1.60	1.60	1.60	3.21	3.21	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 25 + 25 + 35 + 35 + 35	1.43	1.79	1.79	2.50	2.50	2.50	5.5	12.5	14.0	1280	3830	4800	17.4	16.7	16.0
	20 + 25 + 25 + 35 + 35 + 50	1.32	1.64	1.64	2.30	2.30	3.29	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	20 + 25 + 35 + 35 + 35 + 35	1.35	1.69	2.36	2.36	2.36	2.36	5.5	12.5	14.0	1280	3810	4800	17.3	16.6	15.9
	20 + 35 + 35 + 35 + 35 + 35	1.28	2.24	2.24	2.24	2.24	2.24	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	25 + 25 + 25 + 25 + 25 + 35	1.95	1.95	1.95	1.95	1.95	2.73	5.5	12.5	14.0	1280	3860	4800	17.6	16.8	16.1
	25 + 25 + 25 + 25 + 25 + 50	1.79	1.79	1.79	1.79	1.79	3.57	5.5	12.5	14.0	1280	3830	4800	17.4	16.7	16.0
	25 + 25 + 25 + 25 + 25 + 60	1.69	1.69	1.69	1.69	1.69	4.05	5.5	12.5	14.0	1280	3810	4800	17.3	16.6	15.9
	25 + 25 + 25 + 25 + 35 + 35	1.84	1.84	1.84	1.84	2.57	2.57	5.5	12.5	14.0	1280	3840	4800	17.5	16.7	16.0
	25 + 25 + 25 + 25 + 35 + 50	1.69	1.69	1.69	1.69	2.36	3.38	5.5	12.5	14.0	1280	3810	4800	17.3	16.6	15.9
	25 + 25 + 25 + 25 + 35 + 60	1.60	1.60	1.60	1.60	2.24	3.85	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	25 + 25 + 25 + 35 + 35 + 35	1.74	1.74	1.74	2.43	2.43	2.43	5.5	12.5	14.0	1280	3820	4800	17.4	16.6	15.9
	25 + 25 + 25 + 35 + 35 + 50	1.60	1.60	1.60	2.24	2.24	3.21	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8
	25 + 25 + 35 + 35 + 35 + 35	1.64	1.64	2.30	2.30	2.30	2.30	5.5	12.5	14.0	1280	3800	4800	17.3	16.5	15.8

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	-	-	1.5	3.0	3.7	700	1010	1330	4.6	4.4	4.3
	25	3.4	-	-	-	-	-	1.5	3.4	4.2	700	1150	1540	5.3	5.1	4.8
	35	4.5	-	-	-	-	-	1.5	4.5	5.0	700	1540	1840	7.1	6.8	6.5
	50	5.8	-	-	-	-	-	1.5	5.8	6.5	700	2000	2410	9.2	8.8	8.4
	60	6.8	-	-	-	-	-	1.5	6.8	7.5	700	2360	2760	10.8	10.4	9.9
2 room	20 + 20	3.00	3.00	-	-	-	-	2.1	6.0	7.4	750	1510	1460	6.9	6.6	6.4
	20 + 25	2.84	3.56	-	-	-	-	2.1	6.4	7.9	750	1630	2210	7.5	7.2	6.9
	20 + 35	2.73	4.77	-	-	-	-	2.1	7.5	8.7	750	1950	2520	9.0	8.6	8.2
	20 + 50	2.51	6.29	-	-	-	-	2.1	8.8	10.2	750	2380	3220	10.9	10.5	10.0
	20 + 60	2.45	7.35	-	-	-	-	2.1	9.8	11.2	750	2780	3620	12.8	12.2	11.7
	25 + 25	3.40	3.40	-	-	-	-	2.1	6.8	8.4	750	1740	2420	8.0	7.6	7.3
	25 + 35	3.29	4.61	-	-	-	-	2.1	7.9	9.2	750	2100	2820	9.6	9.2	8.8
	25 + 50	3.07	6.13	-	-	-	-	2.1	9.2	10.7	750	2580	3610	11.8	11.3	10.9
	25 + 60	3.00	7.20	-	-	-	-	2.1	10.2	11.7	750	2980	3790	13.7	13.1	12.5
	35 + 35	4.50	4.50	-	-	-	-	2.1	9.0	10.0	750	2470	3210	11.3	10.8	10.4
	35 + 50	4.24	6.06	-	-	-	-	2.1	10.3	11.5	750	2980	3710	13.7	13.1	12.5
	35 + 60	4.16	7.14	-	-	-	-	2.1	11.3	12.5	750	3350	4320	15.4	14.7	14.1
	50 + 50	5.80	5.80	-	-	-	-	2.1	11.6	13.0	750	3590	4620	16.5	15.8	15.1
	50 + 60	5.73	6.87	-	-	-	-	2.1	12.6	14.0	750	4010	5230	18.4	17.6	16.9
	60 + 60	6.75	6.75	-	-	-	-	2.1	13.5	14.0	750	4450	5230	20.4	19.5	18.7
3 room	20 + 20 + 20	3.00	3.00	3.00	-	-	-	3.2	9.0	11.1	780	2230	3350	10.2	9.8	9.4
	20 + 20 + 25	2.89	2.89	3.62	-	-	-	3.2	9.4	11.6	780	2350	3550	10.8	10.3	9.9
	20 + 20 + 35	2.80	2.80	4.90	-	-	-	3.2	10.5	12.4	780	2710	3820	12.4	11.9	11.4
	20 + 20 + 50	2.62	2.62	6.56	-	-	-	3.2	11.8	13.9	780	3210	4290	14.7	14.1	13.5
	20 + 20 + 60	2.56	2.56	7.68	-	-	-	3.2	12.8	14.0	780	3620	4350	16.6	15.9	15.2
	20 + 25 + 25	2.80	3.50	3.50	-	-	-	3.2	9.8	12.1	780	2510	3720	11.5	11.0	10.6
	20 + 25 + 35	2.73	3.41	4.77	-	-	-	3.2	10.9	12.9	780	2910	3990	13.4	12.8	12.2
	20 + 25 + 50	2.57	3.21	6.42	-	-	-	3.2	12.2	14.0	780	3410	4350	15.7	15.0	14.4
	20 + 25 + 60	2.51	3.14	7.54	-	-	-	3.2	13.2	14.0	780	3910	4350	18.0	17.2	16.5
	20 + 35 + 35	2.67	4.67	4.67	-	-	-	3.2	12.0	13.7	780	3390	4220	15.6	14.9	14.3
	20 + 35 + 50	2.53	4.43	6.33	-	-	-	3.2	13.3	14.0	780	3900	4350	17.9	17.1	16.4
	20 + 35 + 60	2.35	4.11	7.04	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	20 + 50 + 50	2.25	5.63	5.63	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	20 + 50 + 60	2.08	5.19	6.23	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	20 + 60 + 60	1.93	5.79	5.79	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	25 + 25 + 25	3.40	3.40	3.40	-	-	-	3.2	10.2	12.6	780	2710	3880	12.4	11.9	11.4
	25 + 25 + 35	3.32	3.32	4.65	-	-	-	3.2	11.3	13.4	780	3110	4120	14.3	13.7	13.1
	25 + 25 + 50	3.15	3.15	6.30	-	-	-	3.2	12.6	14.0	780	3620	4350	16.6	15.9	15.2
	25 + 25 + 60	3.07	3.07	7.36	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	25 + 35 + 35	3.26	4.57	4.57	-	-	-	3.2	12.4	14.0	780	3710	4350	17.0	16.3	15.6
	25 + 35 + 50	3.07	4.30	6.14	-	-	-	3.2	13.5	14.0	780	4060	4350	18.6	17.8	17.1
	25 + 35 + 60	2.81	3.94	6.75	-	-	-	3.2	13.5	14.0	780	4060	4350	18.6	17.8	17.1
	25 + 50 + 50	2.70	5.40	5.40	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	25 + 50 + 60	2.50	5.00	6.00	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	25 + 60 + 60	2.33	5.59	5.59	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	35 + 35 + 35	4.50	4.50	4.50	-	-	-	3.2	13.5	14.0	780	4060	4350	18.6	17.8	17.1
	35 + 35 + 50	3.94	3.94	5.63	-	-	-	3.2	13.5	14.0	780	4060	4350	18.6	17.8	17.1
	35 + 35 + 60	3.63	3.63	6.23	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	35 + 50 + 50	3.50	5.00	5.00	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	35 + 50 + 60	3.26	4.66	5.59	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	35 + 60 + 60	3.05	5.23	5.23	-	-	-	3.2	13.5	14.0	780	4050	4350	18.6	17.8	17.0
	50 + 50 + 50	4.50	4.50	4.50	-	-	-	3.2	13.5	14.0	780	4040	4350	18.5	17.7	17.0
	50 + 50 + 60	4.22	4.22	5.06	-	-	-	3.2	13.5	14.0	780	4040	4350	18.5	17.7	17.0
	50 + 60 + 60	3.97	4.76	4.76	-	-	-	3.2	13.5	14.0	780	4040	4350	18.5	17.7	17.0
	60 + 60 + 60	4.50	4.50	4.50	-	-	-	3.2	13.5	14.0	780	4030	4350	18.5	17.7	17.0

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	20 + 20 + 20 + 20	3.00	3.00	3.00	3.00	-	-	3.6	12.0	14.0	950	3210	3920	14.6	14.0	13.4
	20 + 20 + 20 + 25	2.92	2.92	2.92	3.65	-	-	3.6	12.4	14.0	950	3390	3920	15.4	14.8	14.1
	20 + 20 + 20 + 35	2.84	2.84	2.84	4.97	-	-	3.6	13.5	14.0	950	3700	3920	16.8	16.1	15.4
	20 + 20 + 20 + 50	2.45	2.45	2.45	6.14	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	20 + 20 + 20 + 60	2.25	2.25	2.25	6.75	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	20 + 20 + 25 + 25	2.84	2.84	3.56	3.56	-	-	3.6	12.8	14.0	950	3440	3920	15.7	15.0	14.3
	20 + 20 + 25 + 35	2.70	2.70	3.38	4.73	-	-	3.6	13.5	14.0	950	3700	3920	16.8	16.1	15.4
	20 + 20 + 25 + 50	2.35	2.35	2.93	5.87	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	20 + 20 + 25 + 60	2.16	2.16	2.70	6.48	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	20 + 20 + 35 + 35	2.45	2.45	4.30	4.30	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	20 + 20 + 35 + 50	2.16	2.16	3.78	5.40	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	20 + 20 + 35 + 60	2.00	2.00	3.50	6.00	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	20 + 20 + 50 + 50	1.93	1.93	4.82	4.82	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 20 + 50 + 60	1.80	1.80	4.50	5.40	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 20 + 60 + 60	1.69	1.69	5.06	5.06	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 25 + 25 + 25	2.78	3.47	3.47	3.47	-	-	3.6	13.2	14.0	950	3550	3920	16.2	15.5	14.8
	20 + 25 + 25 + 35	2.57	3.21	3.21	4.50	-	-	3.6	13.5	14.0	950	3700	3920	16.8	16.1	15.4
	20 + 25 + 25 + 50	2.25	2.81	2.81	5.63	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	20 + 25 + 25 + 60	2.08	2.60	2.60	6.23	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	20 + 25 + 35 + 35	2.35	2.93	4.11	4.11	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	20 + 25 + 35 + 50	2.08	2.60	3.63	5.19	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	20 + 25 + 35 + 60	1.93	2.41	3.38	5.79	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 25 + 50 + 50	1.86	2.33	4.66	4.66	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 25 + 50 + 60	1.74	2.18	4.35	5.23	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 25 + 60 + 60	1.64	2.05	4.91	4.91	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	20 + 35 + 35 + 35	2.16	3.78	3.78	3.78	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	20 + 35 + 35 + 50	1.93	3.38	3.38	4.82	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 35 + 35 + 60	1.80	3.15	3.15	5.40	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 35 + 50 + 50	1.74	3.05	4.35	4.35	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	20 + 35 + 50 + 60	1.64	2.86	4.09	4.91	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	20 + 35 + 60 + 60	1.54	2.70	4.63	4.63	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	20 + 50 + 50 + 50	1.59	3.97	3.97	3.97	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	20 + 50 + 50 + 60	1.50	3.75	3.75	4.50	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	20 + 50 + 60 + 60	1.42	3.55	4.26	4.26	-	-	3.6	13.5	14.0	950	3650	3920	16.6	15.9	15.2
	25 + 25 + 25 + 25	3.38	3.38	3.38	3.38	-	-	3.6	13.5	14.0	950	3700	3920	16.8	16.1	15.4
	25 + 25 + 25 + 35	3.07	3.07	3.07	4.30	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	25 + 25 + 25 + 50	2.70	2.70	2.70	5.40	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	25 + 25 + 25 + 60	2.50	2.50	2.50	6.00	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	25 + 25 + 35 + 35	2.81	2.81	3.94	3.94	-	-	3.6	13.5	14.0	950	3690	3920	16.8	16.1	15.4
	25 + 25 + 35 + 50	2.50	2.50	3.50	5.00	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	25 + 25 + 35 + 60	2.33	2.33	3.26	5.59	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	25 + 25 + 50 + 50	2.25	2.25	4.50	4.50	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	25 + 25 + 50 + 60	2.11	2.11	4.22	5.06	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	25 + 25 + 60 + 60	1.99	1.99	4.76	4.76	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	25 + 35 + 35 + 35	2.60	3.63	3.63	3.63	-	-	3.6	13.5	14.0	950	3680	3920	16.7	16.0	15.3
	25 + 35 + 35 + 50	2.33	3.26	3.26	4.66	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	25 + 35 + 35 + 60	2.18	3.05	3.05	5.23	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	25 + 35 + 50 + 50	2.11	2.95	4.22	4.22	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	25 + 35 + 50 + 60	1.99	2.78	3.97	4.76	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	25 + 35 + 60 + 60	1.88	2.63	4.50	4.50	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	25 + 50 + 50 + 50	1.93	3.86	3.86	3.86	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	25 + 50 + 50 + 60	1.82	3.65	3.65	4.38	-	-	3.6	13.5	14.0	950	3650	3920	16.6	15.9	15.2
	25 + 50 + 60 + 60	1.73	3.46	4.15	4.15	-	-	3.6	13.5	14.0	950	3650	3920	16.6	15.9	15.2
	35 + 35 + 35 + 35	3.38	3.38	3.38	3.38	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3
	35 + 35 + 35 + 50	3.05	3.05	3.05	4.35	-	-	3.6	13.5	14.0	950	3670	3920	16.7	16.0	15.3

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	35 + 35 + 35 + 60	2.86	2.86	2.86	4.91	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	35 + 35 + 50 + 50	2.78	2.78	3.97	3.97	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	35 + 35 + 50 + 60	2.63	2.63	3.75	4.50	-	-	3.6	13.5	14.0	950	3660	3920	16.7	15.9	15.3
	35 + 35 + 60 + 60	2.49	2.49	4.26	4.26	-	-	3.6	13.5	14.0	950	3650	3920	16.6	15.9	15.2
	35 + 50 + 50 + 50	2.55	3.65	3.65	3.65	-	-	3.6	13.5	14.0	950	3650	3920	16.6	15.9	15.2
	35 + 50 + 50 + 60	2.42	3.46	3.46	4.15	-	-	3.6	13.5	14.0	950	3650	3920	16.6	15.9	15.2
5 room	20 + 20 + 20 + 20 + 20	2.70	2.70	2.70	2.70	2.70	-	4.0	13.5	14.0	1050	3380	3470	15.4	14.7	14.1
	20 + 20 + 20 + 20 + 25	2.57	2.57	2.57	2.57	3.21	-	4.0	13.5	14.0	1050	3380	3470	15.4	14.7	14.1
	20 + 20 + 20 + 20 + 35	2.35	2.35	2.35	2.35	4.11	-	4.0	13.5	14.0	1050	3370	3470	15.3	14.7	14.1
	20 + 20 + 20 + 20 + 50	2.08	2.08	2.08	2.08	5.19	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 20 + 20 + 20 + 60	1.93	1.93	1.93	1.93	5.79	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 20 + 20 + 25 + 25	2.45	2.45	2.45	3.07	3.07	-	4.0	13.5	14.0	1050	3380	3470	15.4	14.7	14.1
	20 + 20 + 20 + 25 + 35	2.25	2.25	2.25	2.81	3.94	-	4.0	13.5	14.0	1050	3370	3470	15.3	14.7	14.1
	20 + 20 + 20 + 25 + 50	2.00	2.00	2.00	2.50	5.00	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 20 + 20 + 25 + 60	1.86	1.86	1.86	2.33	5.59	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 20 + 20 + 35 + 35	2.08	2.08	2.08	3.63	3.63	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 20 + 20 + 35 + 50	1.86	1.86	1.86	3.26	4.66	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 20 + 20 + 35 + 60	1.74	1.74	1.74	3.05	5.23	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 20 + 20 + 50 + 50	1.69	1.69	1.69	4.22	4.22	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 20 + 50 + 60	1.59	1.59	1.59	3.97	4.76	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 20 + 60 + 60	1.50	1.50	1.50	4.50	4.50	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	20 + 20 + 25 + 25 + 25	2.35	2.35	2.93	2.93	2.93	-	4.0	13.5	14.0	1050	3370	3470	15.3	14.7	14.1
	20 + 20 + 25 + 25 + 35	2.16	2.16	2.70	2.70	3.78	-	4.0	13.5	14.0	1050	3370	3470	15.3	14.7	14.1
	20 + 20 + 25 + 25 + 50	1.93	1.93	2.41	2.41	4.82	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 20 + 25 + 25 + 60	1.80	1.80	2.25	2.25	5.40	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 20 + 25 + 35 + 35	2.00	2.00	2.50	3.50	3.50	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 20 + 25 + 35 + 50	1.80	1.80	2.25	3.15	4.50	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 20 + 25 + 35 + 60	1.69	1.69	2.11	2.95	5.06	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 25 + 50 + 50	1.64	1.64	2.05	4.09	4.09	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 25 + 50 + 60	1.54	1.54	1.93	3.86	4.63	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 25 + 60 + 60	1.46	1.46	1.82	4.38	4.38	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	20 + 20 + 35 + 35 + 35	1.86	1.86	3.26	3.26	3.26	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 20 + 35 + 35 + 50	1.69	1.69	2.95	2.95	4.22	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 35 + 35 + 60	1.59	1.59	2.78	2.78	4.76	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 35 + 50 + 50	1.54	1.54	2.70	3.86	3.86	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 20 + 35 + 50 + 60	1.46	1.46	2.55	3.65	4.38	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	20 + 20 + 35 + 60 + 60	1.38	1.38	2.42	4.15	4.15	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	20 + 20 + 50 + 50 + 50	1.42	1.42	3.55	3.55	3.55	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 25	2.25	2.81	2.81	2.81	2.81	-	4.0	13.5	14.0	1050	3370	3470	15.3	14.7	14.1
	20 + 25 + 25 + 25 + 35	2.08	2.60	2.60	2.60	3.63	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 25 + 25 + 25 + 50	1.86	2.33	2.33	2.33	4.66	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 25 + 25 + 25 + 60	1.74	2.18	2.18	2.18	5.23	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 25 + 25 + 35 + 35	1.93	2.41	2.41	3.38	3.38	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	20 + 25 + 25 + 35 + 50	1.74	2.18	2.18	3.05	4.35	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 25 + 25 + 35 + 60	1.64	2.05	2.05	2.86	4.91	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 25 + 25 + 50 + 50	1.59	1.99	1.99	3.97	3.97	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 25 + 25 + 50 + 60	1.50	1.88	1.88	3.75	4.50	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	20 + 25 + 25 + 60 + 60	1.42	1.78	1.78	4.26	4.26	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	20 + 25 + 35 + 35 + 35	1.80	2.25	3.15	3.15	3.15	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	20 + 25 + 35 + 35 + 50	1.64	2.05	2.86	2.86	4.09	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 25 + 35 + 35 + 60	1.54	1.93	2.70	2.70	4.63	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 25 + 35 + 50 + 50	1.50	1.88	2.63	3.75	3.75	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	20 + 25 + 35 + 50 + 60	1.42	1.78	2.49	3.55	4.26	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	20 + 25 + 50 + 50 + 50	1.38	1.73	3.46	3.46	3.46	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	20 + 35 + 35 + 35 + 35	1.69	2.95	2.95	2.95	2.95	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 35 + 35 + 35 + 50	1.54	2.70	2.70	2.70	3.86	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	20 + 35 + 35 + 35 + 60	1.46	2.55	2.55	2.55	4.38	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	20 + 35 + 35 + 50 + 50	1.42	2.49	2.49	3.55	3.55	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	25 + 25 + 25 + 25 + 25	2.70	2.70	2.70	2.70	2.70	-	4.0	13.5	14.0	1050	3370	3470	15.3	14.7	14.1
	25 + 25 + 25 + 25 + 35	2.50	2.50	2.50	2.50	3.50	-	4.0	13.5	14.0	1050	3360	3470	15.3	14.6	14.0
	25 + 25 + 25 + 25 + 50	2.25	2.25	2.25	2.25	4.50	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	25 + 25 + 25 + 25 + 60	2.11	2.11	2.11	2.11	5.06	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	25 + 25 + 25 + 35 + 35	2.33	2.33	2.33	3.26	3.26	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	25 + 25 + 25 + 35 + 50	2.11	2.11	2.11	2.95	4.22	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	25 + 25 + 25 + 35 + 60	1.99	1.99	1.99	2.78	4.76	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	25 + 25 + 25 + 50 + 50	1.93	1.93	1.93	3.86	3.86	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	25 + 25 + 25 + 50 + 60	1.82	1.82	1.82	3.65	4.38	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	25 + 25 + 25 + 60 + 60	1.73	1.73	1.73	4.15	4.15	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	25 + 25 + 35 + 35 + 35	2.18	2.18	3.05	3.05	3.05	-	4.0	13.5	14.0	1050	3350	3470	15.2	14.6	14.0
	25 + 25 + 35 + 35 + 50	1.99	1.99	2.78	2.78	3.97	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	25 + 25 + 35 + 35 + 60	1.88	1.88	2.63	2.63	4.50	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	25 + 25 + 35 + 50 + 50	1.82	1.82	2.55	3.65	3.65	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	25 + 25 + 35 + 50 + 60	1.73	1.73	2.42	3.46	4.15	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	25 + 35 + 35 + 35 + 35	2.05	2.86	2.86	2.86	2.86	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	25 + 35 + 35 + 35 + 50	1.88	2.63	2.63	2.63	3.75	-	4.0	13.5	14.0	1050	3330	3470	15.2	14.5	13.9
	25 + 35 + 35 + 35 + 60	1.78	2.49	2.49	2.49	4.26	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	25 + 35 + 35 + 50 + 50	1.73	2.42	2.42	3.46	3.46	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
	35 + 35 + 35 + 35 + 35	2.70	2.70	2.70	2.70	2.70	-	4.0	13.5	14.0	1050	3340	3470	15.2	14.5	13.9
	35 + 35 + 35 + 35 + 50	2.49	2.49	2.49	2.49	3.55	-	4.0	13.5	14.0	1050	3320	3470	15.1	14.4	13.8
6 room	20 + 20 + 20 + 20 + 20 + 20	2.25	2.25	2.25	2.25	2.25	2.25	4.5	13.5	14.0	1150	3260	3420	14.8	14.2	13.6
	20 + 20 + 20 + 20 + 20 + 25	2.16	2.16	2.16	2.16	2.16	2.70	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 20 + 20 + 35	2.00	2.00	2.00	2.00	2.00	3.50	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 20 + 20 + 50	1.80	1.80	1.80	1.80	1.80	4.50	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 20 + 20 + 60	1.69	1.69	1.69	1.69	1.69	5.06	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 20 + 25 + 25	2.08	2.08	2.08	2.08	2.60	2.60	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 20 + 25 + 35	1.93	1.93	1.93	1.93	2.41	3.38	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 20 + 25 + 50	1.74	1.74	1.74	1.74	2.18	4.35	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 20 + 25 + 60	1.64	1.64	1.64	1.64	2.05	4.91	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 20 + 35 + 35	1.80	1.80	1.80	1.80	3.15	3.15	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 20 + 35 + 50	1.64	1.64	1.64	1.64	2.86	4.09	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 20 + 35 + 60	1.54	1.54	1.54	1.54	2.70	4.63	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 20 + 20 + 50 + 50	1.50	1.50	1.50	1.50	3.75	3.75	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 20 + 20 + 50 + 60	1.42	1.42	1.42	1.42	3.55	4.26	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 20 + 25 + 25 + 25	2.00	2.00	2.00	2.50	2.50	2.50	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 25 + 25 + 35	1.86	1.86	1.86	2.33	2.33	3.26	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 20 + 25 + 25 + 50	1.69	1.69	1.69	2.11	2.11	4.22	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 25 + 25 + 60	1.59	1.59	1.59	1.99	1.99	4.76	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 25 + 35 + 35	1.74	1.74	1.74	2.18	3.05	3.05	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 25 + 35 + 50	1.59	1.59	1.59	1.99	2.78	3.97	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 25 + 35 + 60	1.50	1.50	1.50	1.88	2.63	4.50	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 20 + 25 + 50 + 50	1.46	1.46	1.46	1.82	3.65	3.65	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 20 + 25 + 50 + 60	1.38	1.38	1.38	1.73	3.46	4.15	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	20 + 20 + 20 + 35 + 35 + 35	1.64	1.64	1.64	2.86	2.86	2.86	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 20 + 35 + 35 + 50	1.50	1.50	1.50	2.63	2.63	3.75	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 20 + 35 + 35 + 60	1.42	1.42	1.42	2.49	2.49	4.26	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 20 + 35 + 50 + 50	1.38	1.38	1.38	2.42	3.46	3.46	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	20 + 20 + 25 + 25 + 25 + 25	1.93	1.93	2.41	2.41	2.41	2.41	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 25 + 25 + 25 + 35	1.80	1.80	2.25	2.25	2.25	3.15	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 20 + 25 + 25 + 25 + 50	1.64	1.64	2.05	2.05	2.05	4.09	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 25 + 25 + 25 + 60	1.54	1.54	1.93	1.93	1.93	4.63	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
6 room	20 + 20 + 25 + 25 + 35 + 35	1.69	1.69	2.11	2.11	2.95	2.95	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 25 + 25 + 35 + 50	1.54	1.54	1.93	1.93	2.70	3.86	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 25 + 25 + 35 + 60	1.46	1.46	1.82	1.82	2.55	4.38	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 25 + 25 + 50 + 50	1.42	1.42	1.78	1.78	3.55	3.55	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 25 + 35 + 35 + 35	1.59	1.59	1.99	2.78	2.78	2.78	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 20 + 25 + 35 + 35 + 50	1.46	1.46	1.82	2.55	2.55	3.65	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 25 + 35 + 35 + 60	1.38	1.38	1.73	2.42	2.42	4.15	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	20 + 20 + 35 + 35 + 35 + 35	1.50	1.50	2.63	2.63	2.63	2.63	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 20 + 35 + 35 + 35 + 50	1.38	1.38	2.42	2.42	2.42	3.46	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	20 + 25 + 25 + 25 + 25 + 25	1.86	2.33	2.33	2.33	2.33	2.33	4.5	13.5	14.0	1150	3250	3420	14.8	14.1	13.6
	20 + 25 + 25 + 25 + 25 + 35	1.74	2.18	2.18	2.18	2.18	3.05	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 25 + 25 + 25 + 25 + 50	1.59	1.99	1.99	1.99	1.99	3.97	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 25 + 25 + 25 + 25 + 60	1.50	1.88	1.88	1.88	1.88	4.50	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 25 + 25 + 25 + 35 + 35	1.64	2.05	2.05	2.05	2.86	2.86	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	20 + 25 + 25 + 25 + 35 + 50	1.50	1.88	1.88	1.88	2.63	3.75	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 25 + 25 + 25 + 35 + 60	1.42	1.78	1.78	1.78	2.49	4.26	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 25 + 25 + 25 + 50 + 50	1.38	1.73	1.73	1.73	3.46	3.46	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	20 + 25 + 25 + 35 + 35 + 35	1.54	1.93	1.93	2.70	2.70	2.70	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 25 + 25 + 35 + 35 + 50	1.42	1.78	1.78	2.49	2.49	3.55	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 25 + 35 + 35 + 35 + 35	1.46	1.82	2.55	2.55	2.55	2.55	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	20 + 35 + 35 + 35 + 35 + 35	1.38	2.42	2.42	2.42	2.42	2.42	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	25 + 25 + 25 + 25 + 25 + 35	2.11	2.11	2.11	2.11	2.11	2.95	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	25 + 25 + 25 + 25 + 25 + 50	1.93	1.93	1.93	1.93	1.93	3.86	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	25 + 25 + 25 + 25 + 25 + 60	1.82	1.82	1.82	1.82	1.82	4.38	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	25 + 25 + 25 + 25 + 35 + 35	1.99	1.99	1.99	1.99	2.78	2.78	4.5	13.5	14.0	1150	3240	3420	14.7	14.1	13.5
	25 + 25 + 25 + 25 + 35 + 50	1.82	1.82	1.82	1.82	2.55	3.65	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	25 + 25 + 25 + 25 + 35 + 60	1.73	1.73	1.73	1.73	2.42	4.15	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	25 + 25 + 25 + 35 + 35 + 35	1.88	1.88	1.88	2.63	2.63	2.63	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5
	25 + 25 + 25 + 35 + 35 + 50	1.73	1.73	1.73	2.42	2.42	3.46	4.5	13.5	14.0	1150	3220	3420	14.7	14.0	13.4
	25 + 25 + 35 + 35 + 35 + 35	1.78	1.78	2.49	2.49	2.49	2.49	4.5	13.5	14.0	1150	3230	3420	14.7	14.1	13.5

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(b) Indoor unit except SRK**ZJX-S models only

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	2.0	-	-	-	-	-	1.8	2.0	2.7	650	780	1100	3.6	3.4	3.3
	25	2.5	-	-	-	-	-	1.8	2.5	3.2	650	1000	1350	4.6	4.4	4.2
	35	3.5	-	-	-	-	-	1.8	3.5	3.7	650	1500	1600	6.9	6.6	6.3
	50	5.0	-	-	-	-	-	1.8	5.0	5.8	650	2150	2500	9.9	9.4	9.0
	60	6.0	-	-	-	-	-	1.8	6.0	6.7	650	2720	3000	12.5	11.9	11.4
	71	7.1	-	-	-	-	-	1.8	7.1	7.2	650	3250	3080	14.9	14.3	13.7
2 room	20 + 20	2.00	2.00	-	-	-	-	3.0	4.0	5.4	740	960	1460	4.4	4.2	4.0
	20 + 25	2.00	2.50	-	-	-	-	3.0	4.5	5.9	740	1100	1820	5.1	4.8	4.6
	20 + 35	2.00	3.50	-	-	-	-	3.0	5.5	6.4	740	1500	2020	6.9	6.6	6.3
	20 + 50	2.00	5.00	-	-	-	-	3.0	7.0	8.5	740	2290	2820	10.5	10.1	9.6
	20 + 60	2.00	6.00	-	-	-	-	3.0	8.0	9.4	740	2660	3360	12.2	11.7	11.2
	20 + 71	2.00	7.10	-	-	-	-	3.0	9.1	9.9	740	3100	3780	14.1	13.5	12.9
	25 + 25	2.50	2.50	-	-	-	-	3.0	5.0	6.8	740	1420	2200	6.5	6.2	6.0
	25 + 35	2.50	3.50	-	-	-	-	3.0	6.0	6.9	740	1810	2320	8.3	7.9	7.6
	25 + 50	2.50	5.00	-	-	-	-	3.0	7.5	9.0	740	2470	3220	11.3	10.8	10.4
	25 + 60	2.50	6.00	-	-	-	-	3.0	8.5	9.4	740	2810	3360	12.9	12.3	11.8
	25 + 71	2.53	7.17	-	-	-	-	3.0	9.7	10.4	740	3350	4020	15.4	14.7	14.1
	35 + 35	3.50	3.50	-	-	-	-	3.0	7.0	7.4	740	2290	2820	10.5	10.1	9.6
	35 + 50	3.50	5.00	-	-	-	-	3.0	8.5	9.5	740	2810	3620	12.9	12.3	11.8
	35 + 60	3.50	6.00	-	-	-	-	3.0	9.5	10.4	740	3280	3990	15.1	14.4	13.8
	35 + 71	3.50	7.10	-	-	-	-	3.0	10.6	10.9	740	3760	4250	17.1	16.3	15.7
	50 + 50	5.00	5.00	-	-	-	-	3.0	10.0	10.8	740	3520	4050	16.2	15.5	14.8
	50 + 60	5.00	6.00	-	-	-	-	3.0	11.0	12.0	740	3870	4410	17.8	17.0	16.3
	50 + 71	4.96	7.04	-	-	-	-	3.0	12.0	12.0	740	4410	4410	20.0	19.2	18.4
	60 + 60	6.00	6.00	-	-	-	-	3.0	12.0	12.0	740	4410	4410	20.2	19.4	18.6
	60 + 71	5.73	6.77	-	-	-	-	3.0	12.5	12.5	740	4710	4710	21.4	20.5	19.6
	71 + 71	6.25	6.25	-	-	-	-	3.0	12.5	12.5	740	4710	4710	21.2	20.3	19.4
3 room	20 + 20 + 20	2.00	2.00	2.00	-	-	-	3.7	6.0	8.1	880	1530	2560	7.0	6.7	6.4
	20 + 20 + 25	2.00	2.00	2.50	-	-	-	3.7	6.5	8.6	880	1730	2700	7.9	7.6	7.3
	20 + 20 + 35	2.00	2.00	3.50	-	-	-	3.7	7.5	9.1	880	2080	3120	9.6	9.1	8.8
	20 + 20 + 50	2.00	2.00	5.00	-	-	-	3.7	9.0	11.2	880	2730	4120	12.5	12.0	11.5
	20 + 20 + 60	2.00	2.00	6.00	-	-	-	3.7	10.0	12.1	880	3280	4680	15.1	14.4	13.8
	20 + 20 + 71	2.00	2.00	7.10	-	-	-	3.7	11.1	12.6	880	3930	4710	18.0	17.3	16.5
	20 + 25 + 25	2.00	2.50	2.50	-	-	-	3.7	7.0	9.1	880	1940	3210	8.9	8.5	8.2
	20 + 25 + 35	2.00	2.50	3.50	-	-	-	3.7	8.0	9.6	880	2440	3450	11.2	10.7	10.3
	20 + 25 + 50	2.00	2.50	5.00	-	-	-	3.7	9.5	11.7	880	3130	4480	14.4	13.7	13.2
	20 + 25 + 60	2.00	2.50	6.00	-	-	-	3.7	10.5	12.6	880	3770	4800	17.3	16.6	15.9
	20 + 25 + 71	2.00	2.50	7.10	-	-	-	3.7	11.6	12.6	880	4210	4800	19.1	18.3	17.5
	20 + 35 + 35	2.00	3.50	3.50	-	-	-	3.7	9.0	10.1	880	2920	3850	13.4	12.8	12.3
	20 + 35 + 50	2.00	3.50	5.00	-	-	-	3.7	10.5	12.0	880	3770	4450	17.3	16.6	15.9
	20 + 35 + 60	2.00	3.50	6.00	-	-	-	3.7	11.5	12.6	880	4150	4800	19.1	18.2	17.5
	20 + 35 + 71	1.98	3.47	7.04	-	-	-	4.7	12.5	12.6	880	4670	4800	21.2	20.3	19.5
	20 + 50 + 50	2.00	5.00	5.00	-	-	-	3.7	12.0	12.6	880	4440	4800	20.4	19.5	18.7
	20 + 50 + 60	1.92	4.81	5.77	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	20 + 50 + 71	1.77	4.43	6.29	-	-	-	3.7	12.5	12.6	881	4670	4800	21.4	20.5	19.7
	20 + 60 + 60	1.79	5.36	5.36	-	-	-	3.7	12.5	12.6	881	4670	4800	21.4	20.5	19.7
	20 + 60 + 71	1.66	4.97	5.88	-	-	-	3.7	12.5	12.6	881	4670	4800	21.4	20.5	19.7
	20 + 71 + 71	1.54	5.48	5.48	-	-	-	3.7	12.5	12.6	881	4660	4800	21.4	20.5	19.6
	25 + 25 + 25	2.50	2.50	2.50	-	-	-	3.7	7.5	9.6	880	2130	3640	9.8	9.4	9.0
	25 + 25 + 35	2.50	2.50	3.50	-	-	-	3.7	8.5	10.1	880	2650	3900	12.2	11.6	11.2
	25 + 25 + 50	2.50	2.50	5.00	-	-	-	3.7	10.0	12.6	880	3420	4800	15.7	15.0	14.4
	25 + 25 + 60	2.50	2.50	6.00	-	-	-	3.7	11.0	12.6	880	3910	4800	18.0	17.2	16.5
	25 + 25 + 71	2.58	2.58	7.33				3.7	12.5	12.6	880	4670	4800	21.2	20.3	19.5
	25 + 35 + 35	2.50	3.50	3.50	-	-	-	3.7	9.5	10.4	880	3130	3910	14.4	13.7	13.2
	25 + 35 + 50	2.50	3.50	5.00	-	-	-	3.7	11.0	12.6	880	3910	4800	18.0	17.2	16.5

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
3 room	25 + 35 + 60	2.50	3.50	6.00	-	-	-	3.7	12.0	12.6	880	4440	4800	20.4	19.5	18.7
	25 + 35 + 71	2.39	3.34	6.77	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	25 + 50 + 50	2.50	5.00	5.00	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	25 + 50 + 60	2.31	4.63	5.56	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	25 + 50 + 71	2.14	4.28	6.08	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	25 + 60 + 60	2.16	5.17	5.17	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	25 + 60 + 71	2.00	4.81	5.69	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	25 + 71 + 71	1.87	5.31	5.31	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	35 + 35 + 35	3.50	3.50	3.50	-	-	-	3.7	10.5	10.9	880	3770	4180	17.3	16.6	15.9
	35 + 35 + 50	3.50	3.50	5.00	-	-	-	3.7	12.0	12.6	880	4440	4800	20.4	19.5	18.7
	35 + 35 + 60	3.37	3.37	5.77	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	35 + 35 + 71	3.10	3.10	6.29	-	-	-	3.7	12.5	12.6	880	4660	4800	21.2	20.3	19.4
	35 + 50 + 50	3.24	4.63	4.63	-	-	-	3.7	12.5	12.6	880	4670	4800	21.4	20.5	19.7
	35 + 50 + 60	3.02	4.31	5.17	-	-	-	3.7	12.5	12.6	880	4660	4800	21.4	20.5	19.6
	35 + 50 + 71	2.80	4.01	5.69	-	-	-	3.7	12.5	12.6	880	4660	4800	21.4	20.5	19.6
	35 + 60 + 60	2.82	4.84	4.84	-	-	-	3.7	12.5	12.6	880	4660	4800	21.4	20.5	19.6
	35 + 60 + 71	2.64	4.52	5.35	-	-	-	3.7	12.5	12.6	880	4660	4800	21.4	20.5	19.6
	35 + 71 + 71	2.47	5.01	5.01	-	-	-	3.7	12.5	12.6	880	4650	4800	21.3	20.4	19.6
	50 + 50 + 50	4.17	4.17	4.17	-	-	-	3.7	12.5	12.6	880	4660	4800	21.4	20.5	19.6
	50 + 50 + 60	3.91	3.91	4.69	-	-	-	3.7	12.5	12.6	880	4660	4800	21.4	20.5	19.6
	50 + 50 + 71	3.65	3.65	5.19	-	-	-	3.7	12.5	12.6	880	4650	4800	21.3	20.4	19.6
	50 + 60 + 60	3.68	4.41	4.41	-	-	-	3.7	12.5	12.6	880	4650	4800	21.3	20.4	19.6
	50 + 60 + 71	3.45	4.14	4.90	-	-	-	3.7	12.5	12.6	880	4650	4800	21.3	20.4	19.6
	60 + 60 + 60	4.17	4.17	4.17	-	-	-	3.7	12.5	12.6	880	4650	4800	21.3	20.4	19.6
	60 + 60 + 71	3.93	3.93	4.65	-	-	-	3.7	12.5	12.6	880	4650	4800	21.3	20.4	19.6
4 room	20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	-	-	4.4	8.0	10.8	1100	2110	3680	9.6	9.2	8.8
	20 + 20 + 20 + 25	2.00	2.00	2.00	2.50	-	-	4.4	8.5	11.3	1100	2390	3890	10.9	10.4	10.0
	20 + 20 + 20 + 35	2.00	2.00	2.00	3.50	-	-	4.4	9.5	11.8	1100	2900	4350	13.2	12.6	12.1
	20 + 20 + 20 + 50	2.00	2.00	2.00	5.00	-	-	4.4	11.0	12.8	1100	3580	4800	16.3	15.6	14.9
	20 + 20 + 20 + 60	2.00	2.00	2.00	6.00	-	-	4.4	12.0	12.8	1100	4100	4800	18.7	17.8	17.1
	20 + 20 + 20 + 71	1.91	1.91	1.91	6.77	-	-	4.4	12.5	12.8	1100	4730	4800	21.3	20.4	19.5
	20 + 20 + 25 + 25	2.00	2.00	2.50	2.50	-	-	4.4	9.0	11.8	1100	2600	4410	11.8	11.3	10.8
	20 + 20 + 25 + 35	2.00	2.00	2.50	3.50	-	-	4.4	10.0	12.3	1100	3210	4780	14.6	14.0	13.4
	20 + 20 + 25 + 50	2.00	2.00	2.50	5.00	-	-	4.4	11.5	12.8	1100	3830	4800	17.4	16.7	16.0
	20 + 20 + 25 + 60	2.00	2.00	2.50	6.00	-	-	4.4	12.5	12.8	1100	4740	4800	21.6	20.6	19.8
	20 + 20 + 25 + 71	1.84	1.84	2.30	6.53	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 20 + 35 + 35	2.00	2.00	3.50	3.50	-	-	4.4	11.0	12.8	1100	3580	4800	16.3	15.6	14.9
	20 + 20 + 35 + 50	2.00	2.00	3.50	5.00	-	-	4.4	12.5	12.8	1100	4740	4800	21.6	20.6	19.8
	20 + 20 + 35 + 60	1.85	1.85	3.24	5.56	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 20 + 35 + 71	1.71	1.71	3.00	6.08	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 20 + 50 + 50	1.79	1.79	4.46	4.46	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 20 + 50 + 60	1.67	1.67	4.17	5.00	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 20 + 50 + 71	1.55	1.55	3.88	5.51	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 20 + 60 + 60	1.56	1.56	4.69	4.69	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 20 + 60 + 71	1.46	1.46	4.39	5.19	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 20 + 71 + 71	1.37	1.37	4.88	4.88	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	20 + 25 + 25 + 25	2.00	2.50	2.50	2.50	-	-	4.4	9.5	12.8	1100	2900	4800	13.2	12.6	12.1
	20 + 25 + 25 + 35	2.00	2.50	2.50	3.50	-	-	4.4	10.5	12.8	1100	3440	4800	15.7	15.0	14.3
	20 + 25 + 25 + 50	2.00	2.50	2.50	5.00	-	-	4.4	12.0	12.8	1100	4100	4800	18.7	17.8	17.1
	20 + 25 + 25 + 60	1.92	2.40	2.40	5.77	-	-	4.4	12.5	12.8	1100	4740	4800	21.6	20.6	19.8
	21 + 26 + 26 + 71	1.82	2.26	2.26	6.16	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 25 + 35 + 35	2.00	2.50	3.50	3.50	-	-	4.4	11.5	12.8	1100	3830	4800	17.4	16.7	16.0
	20 + 25 + 35 + 50	1.92	2.40	3.37	4.81	-	-	4.4	12.5	12.8	1100	4740	4800	21.6	20.6	19.8
	20 + 25 + 35 + 60	1.79	2.23	3.13	5.36	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 25 + 35 + 71	1.66	2.07	2.90	5.88	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	20 + 25 + 50 + 50	1.72	2.16	4.31	4.31	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 25 + 50 + 60	1.61	2.02	4.03	4.84	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 25 + 50 + 71	1.51	1.88	3.77	5.35	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 25 + 60 + 60	1.52	1.89	4.55	4.55	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 25 + 60 + 71	1.42	1.78	4.26	5.04	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 25 + 71 + 71	1.34	1.67	4.75	4.75	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	20 + 35 + 35 + 35	2.00	3.50	3.50	3.50	-	-	4.4	12.5	12.8	1100	4740	4800	21.6	20.6	19.8
	20 + 35 + 35 + 50	1.79	3.13	3.13	4.46	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 35 + 35 + 60	1.67	2.92	2.92	5.00	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	20 + 35 + 35 + 71	1.55	2.72	2.72	5.51	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 35 + 50 + 50	1.61	2.82	4.03	4.03	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 35 + 50 + 60	1.52	2.65	3.79	4.55	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 35 + 50 + 71	1.42	2.49	3.55	5.04	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 35 + 60 + 60	1.43	2.50	4.29	4.29	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	20 + 35 + 60 + 71	1.34	2.35	4.03	4.77	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	20 + 50 + 50 + 50	1.47	3.68	3.68	3.68	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	20 + 50 + 50 + 60	1.39	3.47	3.47	4.17	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	20 + 50 + 50 + 71	1.31	3.27	3.27	4.65	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	20 + 50 + 60 + 60	1.32	3.29	3.95	3.95	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	25 + 25 + 25 + 25	2.50	2.50	2.50	2.50	-	-	4.4	10.0	12.8	1100	3210	4800	14.6	14.0	13.4
	25 + 25 + 25 + 35	2.50	2.50	2.50	3.50	-	-	4.4	11.0	12.8	1100	3580	4800	16.3	15.6	14.9
	25 + 25 + 25 + 50	2.50	2.50	2.50	5.00	-	-	4.4	12.5	12.8	1100	4740	4800	21.6	20.6	19.8
	25 + 25 + 25 + 60	2.31	2.31	2.31	5.56	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	25 + 25 + 25 + 71	2.14	2.14	2.14	6.08	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	25 + 25 + 35 + 35	2.50	2.50	3.50	3.50	-	-	4.4	12.0	12.8	1100	4100	4800	18.7	17.8	17.1
	25 + 25 + 35 + 50	2.31	2.31	3.24	4.63	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	25 + 25 + 35 + 60	2.16	2.16	3.02	5.17	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	25 + 25 + 35 + 71	2.00	2.00	2.80	5.69	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 25 + 50 + 50	2.08	2.08	4.17	4.17	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	25 + 25 + 50 + 60	1.95	1.95	3.91	4.69	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 25 + 50 + 71	1.83	1.83	3.65	5.19	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 25 + 60 + 60	1.84	1.84	4.41	4.41	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 25 + 60 + 71	1.73	1.73	4.14	4.90	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	25 + 25 + 71 + 71	1.63	1.63	4.62	4.62	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	25 + 35 + 35 + 35	2.40	3.37	3.37	3.37	-	-	4.4	12.5	12.8	1100	4740	4800	21.6	20.6	19.8
	25 + 35 + 35 + 50	2.16	3.02	3.02	4.31	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	25 + 35 + 35 + 60	2.02	2.82	2.82	4.84	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 35 + 35 + 71	1.88	2.64	2.64	5.35	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 35 + 50 + 50	1.95	2.73	3.91	3.91	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 35 + 50 + 60	1.84	2.57	3.68	4.41	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	25 + 35 + 50 + 71	1.73	2.42	3.45	4.90	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	25 + 35 + 60 + 60	1.74	2.43	4.17	4.17	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	25 + 35 + 60 + 71	1.64	2.29	3.93	4.65	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	25 + 50 + 50 + 50	1.79	3.57	3.57	3.57	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	25 + 50 + 50 + 60	1.69	3.38	3.38	4.05	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	25 + 50 + 60 + 60	1.60	3.21	3.85	3.85	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	35 + 35 + 35 + 35	3.13	3.13	3.13	3.13	-	-	4.4	12.5	12.8	1100	4730	4800	21.5	20.6	19.7
	35 + 35 + 35 + 50	2.82	2.82	2.82	4.03	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	35 + 35 + 35 + 60	2.65	2.65	2.65	4.55	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	35 + 35 + 35 + 71	2.49	2.49	2.49	5.04	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	35 + 35 + 50 + 50	2.57	2.57	3.68	3.68	-	-	4.4	12.5	12.8	1100	4720	4800	21.5	20.5	19.7
	35 + 35 + 50 + 60	2.43	2.43	3.47	4.17	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	35 + 35 + 50 + 71	2.29	2.29	3.27	4.65	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	35 + 35 + 60 + 60	2.30	2.30	3.95	3.95	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6
	35 + 50 + 50 + 50	2.36	3.38	3.38	3.38	-	-	4.4	12.5	12.8	1100	4710	4800	21.4	20.5	19.6
	35 + 50 + 50 + 60	2.24	3.21	3.21	3.85	-	-	4.4	12.5	12.8	1100	4700	4800	21.4	20.5	19.6

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	2.00	-	5.1	10.0	13.3	1210	2950	4800	13.4	12.8	12.3
	20 + 20 + 20 + 20 + 25	2.00	2.00	2.00	2.00	2.50	-	5.1	10.5	13.3	1210	3200	4800	14.6	13.9	13.3
	20 + 20 + 20 + 20 + 35	2.00	2.00	2.00	2.00	3.50	-	5.1	11.5	13.3	1210	3710	4800	16.9	16.1	15.5
	20 + 20 + 20 + 20 + 50	1.92	1.92	1.92	1.92	4.81	-	5.1	12.5	13.3	1210	4430	4800	20.2	19.3	18.5
	20 + 20 + 20 + 20 + 60	1.79	1.79	1.79	1.79	5.36	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	20 + 20 + 20 + 20 + 71	1.66	1.66	1.66	1.66	5.88	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 20 + 25 + 25	2.00	2.00	2.00	2.50	2.50	-	5.1	11.0	13.3	1210	3400	4800	15.5	14.8	14.2
	20 + 20 + 20 + 25 + 35	2.00	2.00	2.00	2.50	3.50	-	5.1	12.0	13.3	1210	4090	4800	18.6	17.8	17.1
	20 + 20 + 20 + 25 + 50	1.85	1.85	1.85	2.31	4.63	-	5.1	12.5	13.3	1210	4430	4800	20.2	19.3	18.5
	20 + 20 + 20 + 25 + 60	1.72	1.72	1.72	2.16	5.17	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	20 + 20 + 20 + 25 + 71	1.60	1.60	1.60	2.00	5.69	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 20 + 35 + 35	1.92	1.92	1.92	3.37	3.37	-	5.1	12.5	13.3	1210	4430	4800	20.2	19.3	18.5
	20 + 20 + 20 + 35 + 50	1.72	1.72	1.72	3.02	4.31	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	20 + 20 + 20 + 35 + 60	1.61	1.61	1.61	2.82	4.84	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 20 + 35 + 71	1.51	1.51	1.51	2.64	5.35	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 20 + 20 + 50 + 50	1.56	1.56	1.56	3.91	3.91	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 20 + 50 + 60	1.47	1.47	1.47	3.68	4.41	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 20 + 20 + 50 + 71	1.38	1.38	1.38	3.45	4.90	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 20 + 60 + 60	1.39	1.39	1.39	4.17	4.17	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 20 + 60 + 71	1.31	1.31	1.31	3.93	4.65	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	20 + 20 + 25 + 25 + 25	2.00	2.00	2.50	2.50	2.50	-	5.1	11.5	13.3	1210	3710	4800	16.9	16.1	15.5
	20 + 20 + 25 + 25 + 35	2.00	2.00	2.50	2.50	3.50	-	5.1	12.5	13.3	1210	4440	4800	20.2	19.3	18.5
	20 + 20 + 25 + 25 + 50	1.79	1.79	2.23	2.23	4.46	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	20 + 20 + 25 + 25 + 60	1.67	1.67	2.08	2.08	5.00	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 25 + 25 + 71	1.55	1.55	1.94	1.94	5.51	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 25 + 35 + 35	1.85	1.85	2.31	3.24	3.24	-	5.1	12.5	13.3	1210	4430	4800	20.2	19.3	18.5
	20 + 20 + 25 + 35 + 50	1.67	1.67	2.08	2.92	4.17	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 25 + 35 + 60	1.56	1.56	1.95	2.73	4.69	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 25 + 35 + 71	1.46	1.46	1.83	2.56	5.19	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 20 + 25 + 50 + 50	1.52	1.52	1.89	3.79	3.79	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 20 + 25 + 50 + 60	1.43	1.43	1.79	3.57	4.29	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 25 + 50 + 71	1.34	1.34	1.68	3.36	4.77	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 25 + 60 + 60	1.35	1.35	1.69	4.05	4.05	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 35 + 35 + 35	1.72	1.72	3.02	3.02	3.02	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	20 + 20 + 35 + 35 + 50	1.56	1.56	2.73	2.73	3.91	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 20 + 35 + 35 + 60	1.47	1.47	2.57	2.57	4.41	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 20 + 35 + 35 + 71	1.38	1.38	2.42	2.42	4.90	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 35 + 50 + 50	1.43	1.43	2.50	3.57	3.57	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 35 + 50 + 60	1.35	1.35	2.36	3.38	4.05	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 20 + 35 + 60 + 60	1.28	1.28	2.24	3.85	3.85	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	20 + 20 + 50 + 50 + 50	1.32	1.32	3.29	3.29	3.29	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	20 + 25 + 25 + 25 + 25	2.00	2.50	2.50	2.50	2.50	-	5.1	12.0	13.3	1210	4090	4800	18.6	17.8	17.1
	20 + 25 + 25 + 25 + 35	1.92	2.40	2.40	2.40	3.37	-	5.1	12.5	13.3	1210	4430	4800	20.2	19.3	18.5
	20 + 25 + 25 + 25 + 50	1.72	2.16	2.16	2.16	4.31	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	20 + 25 + 25 + 25 + 60	1.61	2.02	2.02	2.02	4.84	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 25 + 25 + 25 + 71	1.51	1.88	1.88	1.88	5.35	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 25 + 25 + 35 + 35	1.79	2.23	2.23	3.13	3.13	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	20 + 25 + 25 + 35 + 50	1.61	2.02	2.02	2.82	4.03	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 25 + 25 + 35 + 60	1.52	1.89	1.89	2.65	4.55	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 25 + 25 + 35 + 71	1.42	1.78	1.78	2.49	5.04	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 25 + 25 + 50 + 50	1.47	1.84	1.84	3.68	3.68	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 25 + 25 + 50 + 60	1.39	1.74	1.74	3.47	4.17	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 25 + 25 + 50 + 71	1.31	1.64	1.64	3.27	4.65	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	20 + 25 + 25 + 60 + 60	1.32	1.64	1.64	3.95	3.95	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 25 + 35 + 35 + 35	1.67	2.08	2.92	2.92	2.92	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 25 + 35 + 35 + 50	1.52	1.89	2.65	2.65	3.79	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	20 + 25 + 35 + 35 + 60	1.43	1.79	2.50	2.50	4.29	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 25 + 35 + 35 + 71	1.34	1.68	2.35	2.35	4.77	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 25 + 35 + 50 + 50	1.39	1.74	2.43	3.47	3.47	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 25 + 35 + 50 + 60	1.32	1.64	2.30	3.29	3.95	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	20 + 25 + 50 + 50 + 50	1.28	1.60	3.21	3.21	3.21	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	20 + 35 + 35 + 35 + 35	1.56	2.73	2.73	2.73	2.73	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	20 + 35 + 35 + 35 + 50	1.43	2.50	2.50	2.50	3.57	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 35 + 35 + 35 + 60	1.35	2.36	2.36	2.36	4.05	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	20 + 35 + 35 + 50 + 50	1.32	2.30	2.30	3.29	3.29	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	25 + 25 + 25 + 25 + 25	2.50	2.50	2.50	2.50	2.50	-	5.1	12.5	13.3	1210	4440	4800	20.2	19.3	18.5
	25 + 25 + 25 + 25 + 35	2.31	2.31	2.31	2.31	3.24	-	5.1	12.5	13.3	1210	4430	4800	20.2	19.3	18.5
	25 + 25 + 25 + 25 + 50	2.08	2.08	2.08	2.08	4.17	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	25 + 25 + 25 + 25 + 60	1.95	1.95	1.95	1.95	4.69	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	25 + 25 + 25 + 35 + 35	2.16	2.16	2.16	3.02	3.02	-	5.1	12.5	13.3	1210	4420	4800	20.1	19.2	18.4
	25 + 25 + 25 + 35 + 50	1.95	1.95	1.95	2.73	3.91	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	25 + 25 + 25 + 35 + 60	1.84	1.84	1.84	2.57	4.41	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	25 + 25 + 25 + 35 + 71	1.73	1.73	1.73	2.42	4.90	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	25 + 25 + 25 + 50 + 50	1.79	1.79	1.79	3.57	3.57	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	25 + 25 + 25 + 50 + 60	1.69	1.69	1.69	3.38	4.05	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	25 + 25 + 25 + 60 + 60	1.60	1.60	1.60	3.85	3.85	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	25 + 25 + 35 + 35 + 35	2.02	2.02	2.82	2.82	2.82	-	5.1	12.5	13.3	1210	4410	4800	20.1	19.2	18.4
	25 + 25 + 35 + 35 + 50	1.84	1.84	2.57	2.57	3.68	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	25 + 25 + 35 + 35 + 60	1.74	1.74	2.43	2.43	4.17	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	25 + 25 + 35 + 35 + 71	1.64	1.64	2.29	2.29	4.65	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	25 + 25 + 35 + 50 + 50	1.69	1.69	2.36	3.38	3.38	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	25 + 25 + 35 + 50 + 60	1.60	1.60	2.24	3.21	3.85	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	25 + 35 + 35 + 35 + 35	1.89	2.65	2.65	2.65	2.65	-	5.1	12.5	13.3	1210	4400	4800	20.0	19.1	18.4
	25 + 35 + 35 + 35 + 50	1.74	2.43	2.43	2.43	3.47	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	25 + 35 + 35 + 35 + 60	1.64	2.30	2.30	2.30	3.95	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	25 + 35 + 35 + 50 + 50	1.60	2.24	2.24	3.21	3.21	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
	35 + 35 + 35 + 35 + 35	2.50	2.50	2.50	2.50	2.50	-	5.1	12.5	13.3	1210	4390	4800	20.0	19.1	18.3
	35 + 35 + 35 + 35 + 50	2.30	2.30	2.30	2.30	3.29	-	5.1	12.5	13.3	1210	4380	4800	19.9	19.1	18.3
6 room	20 + 20 + 20 + 20 + 20 + 20	2.00	2.00	2.00	2.00	2.00	2.00	5.5	12.0	13.6	1280	3750	4620	17.1	16.3	15.6
	20 + 20 + 20 + 20 + 20 + 25	2.00	2.00	2.00	2.00	2.00	2.50	5.5	12.5	13.3	1280	4010	4800	18.2	17.5	16.7
	20 + 20 + 20 + 20 + 20 + 35	1.85	1.85	1.85	1.85	1.85	3.24	5.5	12.5	13.3	1280	4000	4800	18.2	17.4	16.7
	20 + 20 + 20 + 20 + 20 + 50	1.67	1.67	1.67	1.67	1.67	4.17	5.5	12.5	13.3	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 20 + 20 + 60	1.56	1.56	1.56	1.56	1.56	4.69	5.5	12.5	13.3	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 20 + 20 + 71	1.46	1.46	1.46	1.46	1.46	5.19	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 20 + 25 + 25	1.92	1.92	1.92	1.92	2.40	2.40	5.5	12.5	13.8	1280	4000	4800	18.2	17.4	16.7
	20 + 20 + 20 + 20 + 25 + 35	1.79	1.79	1.79	1.79	2.23	3.13	5.5	12.5	13.8	1280	4000	4800	18.2	17.4	16.7
	20 + 20 + 20 + 20 + 25 + 50	1.61	1.61	1.61	1.61	2.02	4.03	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 20 + 25 + 60	1.52	1.52	1.52	1.52	1.89	4.55	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 20 + 35 + 35	1.67	1.67	1.67	1.67	2.92	2.92	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 20 + 35 + 50	1.52	1.52	1.52	1.52	2.65	3.79	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 20 + 35 + 60	1.43	1.43	1.43	1.43	2.50	4.29	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 20 + 35 + 71	1.34	1.34	1.34	1.34	2.35	4.77	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 20 + 50 + 50	1.39	1.39	1.39	1.39	3.47	3.47	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 20 + 50 + 60	1.32	1.32	1.32	1.32	3.29	3.95	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 20 + 20 + 25 + 25 + 25	1.85	1.85	1.85	2.31	2.31	2.31	5.5	12.5	13.8	1280	4000	4800	18.2	17.4	16.7
	20 + 20 + 20 + 25 + 25 + 35	1.72	1.72	1.72	2.16	2.16	3.02	5.5	12.5	13.8	1280	4000	4800	18.2	17.4	16.7
	20 + 20 + 20 + 25 + 25 + 50	1.56	1.56	1.56	1.95	1.95	3.91	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 25 + 25 + 60	1.47	1.47	1.47	1.84	1.84	4.41	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6

<Cooling>

Indoor unit combination		Cooling capacity (kW)									Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
6 room	20 + 20 + 20 + 25 + 25 + 71	1.38	1.38	1.38	1.73	1.73	4.90	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 25 + 35 + 35	1.61	1.61	1.61	2.02	2.82	2.82	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 25 + 35 + 50	1.47	1.47	1.47	1.84	2.57	3.68	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 25 + 35 + 60	1.39	1.39	1.39	1.74	2.43	4.17	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 25 + 35 + 71	1.31	1.31	1.31	1.64	2.29	4.65	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 20 + 20 + 25 + 50 + 50	1.35	1.35	1.35	1.69	3.38	3.38	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 25 + 50 + 60	1.28	1.28	1.28	1.60	3.21	3.85	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 20 + 20 + 35 + 35 + 35	1.52	1.52	1.52	2.65	2.65	2.65	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 20 + 35 + 35 + 50	1.39	1.39	1.39	2.43	2.43	3.47	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 20 + 35 + 35 + 60	1.32	1.32	1.32	2.30	2.30	3.95	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 20 + 20 + 35 + 50 + 50	1.28	1.28	1.28	2.24	3.21	3.21	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 20 + 25 + 25 + 25 + 25	1.79	1.79	2.23	2.23	2.23	2.23	5.5	12.5	13.8	1280	4000	4800	18.2	17.4	16.7
	20 + 20 + 25 + 25 + 25 + 35	1.67	1.67	2.08	2.08	2.08	2.92	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 25 + 25 + 25 + 50	1.52	1.52	1.89	1.89	1.89	3.79	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 25 + 25 + 25 + 60	1.43	1.43	1.79	1.79	1.79	4.29	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 25 + 25 + 25 + 71	1.34	1.34	1.68	1.68	1.68	4.77	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 25 + 25 + 35 + 35	1.56	1.56	1.95	1.95	2.73	2.73	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 20 + 25 + 25 + 35 + 50	1.43	1.43	1.79	1.79	2.50	3.57	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 25 + 25 + 35 + 60	1.35	1.35	1.69	1.69	2.36	4.05	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 25 + 25 + 50 + 50	1.32	1.32	1.64	1.64	3.29	3.29	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 20 + 25 + 35 + 35 + 35	1.47	1.47	1.84	2.57	2.57	2.57	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 25 + 35 + 35 + 50	1.35	1.35	1.69	2.36	2.36	3.38	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 25 + 35 + 35 + 60	1.28	1.28	1.60	2.24	2.24	3.85	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 20 + 35 + 35 + 35 + 35	1.39	1.39	2.43	2.43	2.43	2.43	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 20 + 35 + 35 + 35 + 50	1.28	1.28	2.24	2.24	2.24	3.21	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 25 + 25 + 25 + 25 + 25	1.72	2.16	2.16	2.16	2.16	2.16	5.5	12.5	13.8	1280	4000	4800	18.2	17.4	16.7
	20 + 25 + 25 + 25 + 25 + 35	1.61	2.02	2.02	2.02	2.02	2.82	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 25 + 25 + 25 + 25 + 50	1.47	1.84	1.84	1.84	1.84	3.68	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 25 + 25 + 25 + 25 + 60	1.39	1.74	1.74	1.74	1.74	4.17	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 25 + 25 + 25 + 25 + 71	1.31	1.64	1.64	1.64	1.64	4.65	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 25 + 25 + 25 + 35 + 35	1.52	1.89	1.89	1.89	2.65	2.65	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	20 + 25 + 25 + 25 + 35 + 50	1.39	1.74	1.74	1.74	2.43	3.47	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 25 + 25 + 25 + 35 + 60	1.32	1.64	1.64	1.64	2.30	3.95	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 25 + 25 + 25 + 50 + 50	1.28	1.60	1.60	1.60	3.21	3.21	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 25 + 25 + 35 + 35 + 35	1.43	1.79	1.79	2.50	2.50	2.50	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 25 + 25 + 35 + 35 + 50	1.32	1.64	1.64	2.30	2.30	3.29	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	20 + 25 + 35 + 35 + 35 + 35	1.35	1.69	2.36	2.36	2.36	2.36	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	20 + 35 + 35 + 35 + 35 + 35	1.28	2.24	2.24	2.24	2.24	2.24	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	25 + 25 + 25 + 25 + 25 + 35	1.95	1.95	1.95	1.95	1.95	2.73	5.5	12.5	13.8	1280	3990	4800	18.2	17.4	16.6
	25 + 25 + 25 + 25 + 25 + 50	1.79	1.79	1.79	1.79	1.79	3.57	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	25 + 25 + 25 + 25 + 25 + 60	1.69	1.69	1.69	1.69	1.69	4.05	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	25 + 25 + 25 + 25 + 35 + 35	1.84	1.84	1.84	1.84	2.57	2.57	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	25 + 25 + 25 + 25 + 35 + 50	1.69	1.69	1.69	1.69	2.36	3.38	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	25 + 25 + 25 + 25 + 35 + 60	1.60	1.60	1.60	1.60	2.24	3.85	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	25 + 25 + 25 + 35 + 35 + 35	1.74	1.74	1.74	2.43	2.43	2.43	5.5	12.5	13.8	1280	3980	4800	18.1	17.3	16.6
	25 + 25 + 25 + 35 + 35 + 50	1.60	1.60	1.60	2.24	2.24	3.21	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6
	25 + 25 + 35 + 35 + 35 + 35	1.64	1.64	2.30	2.30	2.30	2.30	5.5	12.5	13.8	1280	3970	4800	18.1	17.3	16.6

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
1 room	20	3.0	-	-	-	-	-	1.5	3.0	3.6	700	1220	1330	5.6	5.4	5.1
	25	3.4	-	-	-	-	-	1.5	3.4	4.1	700	1265	1540	5.8	5.6	5.3
	35	4.5	-	-	-	-	-	1.5	4.5	4.9	700	1650	1840	7.6	7.2	6.9
	50	5.8	-	-	-	-	-	1.5	5.8	6.4	700	2120	2410	9.7	9.3	8.9
	60	6.8	-	-	-	-	-	1.5	6.8	7.4	700	2500	2760	11.5	11.0	10.5
	71	8.0	-	-	-	-	-	1.5	8.0	8.1	700	3020	3090	13.9	13.3	12.7
2 room	20 + 20	3.00	3.00	-	-	-	-	2.1	6.0	7.2	750	1540	1860	7.1	6.8	6.5
	20 + 25	2.84	3.56	-	-	-	-	2.1	6.4	7.7	750	1660	2210	7.6	7.3	7.0
	20 + 35	2.73	4.77	-	-	-	-	2.1	7.5	8.5	750	1990	2520	9.1	8.7	8.4
	20 + 50	2.51	6.29	-	-	-	-	2.1	8.8	10.0	750	2430	3220	11.2	10.7	10.2
	20 + 60	2.45	7.35	-	-	-	-	2.1	9.8	11.0	750	2840	3620	13.0	12.5	12.0
	20 + 71	2.42	8.58	-	-	-	-	2.1	11.0	11.6	750	2840	3620	13.0	12.5	12.0
	25 + 25	3.40	3.40	-	-	-	-	2.1	6.8	8.2	750	1770	2420	8.1	7.8	7.4
	25 + 35	3.29	4.61	-	-	-	-	2.1	7.9	9.0	750	2140	2820	9.8	9.4	9.0
	25 + 50	3.07	6.13	-	-	-	-	2.1	9.2	10.5	750	2630	3610	12.1	11.6	11.1
	25 + 60	3.00	7.20	-	-	-	-	2.1	10.2	11.5	750	3040	3790	14.0	13.4	12.8
	25 + 71	2.97	8.43	-	-	-	-	2.1	11.4	12.1	750	3440	4250	15.8	15.1	14.5
	35 + 35	4.50	4.50	-	-	-	-	2.1	9.0	9.8	750	2520	3210	11.6	11.1	10.6
	35 + 50	4.24	6.06	-	-	-	-	2.1	10.3	11.3	750	3040	3710	14.0	13.4	12.8
	35 + 60	4.16	7.14	-	-	-	-	2.1	11.3	12.3	750	3420	4320	15.7	15.0	14.4
	35 + 71	4.13	8.37	-	-	-	-	2.1	12.5	12.9	750	4030	4690	18.5	17.7	17.0
	50 + 50	5.80	5.80	-	-	-	-	2.1	11.6	12.8	750	3660	4620	16.8	16.1	15.4
	50 + 60	5.73	6.87	-	-	-	-	2.1	12.6	13.8	750	4090	5230	18.8	18.0	17.2
	50 + 71	5.58	7.92	-	-	-	-	2.1	13.5	13.8	750	4540	5230	20.8	19.9	19.1
	60 + 60	6.75	6.75	-	-	-	-	2.1	13.5	13.8	750	4540	5230	20.8	19.9	19.1
	60 + 71	6.18	7.32	-	-	-	-	2.1	13.5	13.8	750	4540	5230	20.8	19.9	19.1
	71 + 71	6.75	6.75	-	-	-	-	2.1	13.5	13.8	750	4530	5230	20.8	19.9	19.1
3 room	20 + 20 + 20	3.00	3.00	3.00	-	-	-	3.2	9.0	10.9	780	2270	3350	10.4	10.0	9.6
	20 + 20 + 25	2.89	2.89	3.62	-	-	-	3.2	9.4	11.4	780	2400	3550	11.0	10.5	10.1
	20 + 20 + 35	2.80	2.80	4.90	-	-	-	3.2	10.5	12.2	780	2760	3820	12.7	12.1	11.6
	20 + 20 + 50	2.62	2.62	6.56	-	-	-	3.2	11.8	13.7	780	3270	4290	15.0	14.4	13.8
	20 + 20 + 60	2.56	2.56	7.68	-	-	-	3.2	12.8	13.8	780	3690	4350	16.9	16.2	15.5
	20 + 20 + 71	2.43	2.43	8.64	-	-	-	3.2	13.5	13.8	780	4140	4350	19.0	18.2	17.4
	20 + 25 + 25	2.80	3.50	3.50	-	-	-	3.2	9.8	11.9	780	2560	3720	11.8	11.2	10.8
	20 + 25 + 35	2.73	3.41	4.77	-	-	-	3.2	10.9	12.7	780	2970	3990	13.6	13.0	12.5
	20 + 25 + 50	2.57	3.21	6.42	-	-	-	3.2	12.2	13.8	780	3480	4350	16.0	15.3	14.6
	20 + 25 + 60	2.51	3.14	7.54	-	-	-	3.2	13.2	13.8	780	3990	4350	18.3	17.5	16.8
	20 + 25 + 71	2.33	2.91	8.26	-	-	-	3.2	13.5	13.8	780	4140	4350	19.0	18.2	17.4
	20 + 35 + 35	2.67	4.67	4.67	-	-	-	3.2	12.0	13.5	780	3460	4220	15.9	15.2	14.6
	20 + 35 + 50	2.53	4.43	6.33	-	-	-	3.2	13.3	13.8	780	3980	4350	18.3	17.5	16.8
	20 + 35 + 60	2.35	4.11	7.04	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	20 + 35 + 71	2.14	3.75	7.61	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	20 + 50 + 50	2.25	5.63	5.63	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	20 + 50 + 60	2.08	5.19	6.23	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	20 + 50 + 71	1.91	4.79	6.80	-	-	-	4.2	13.5	13.8	780	4130	4350	18.8	18.0	17.2
	20 + 60 + 60	1.93	5.79	5.79	-	-	-	5.2	13.5	13.8	780	4130	4350	18.6	17.8	17.0
	20 + 60 + 71	1.79	5.36	6.35	-	-	-	6.2	13.5	13.8	780	4120	4350	18.4	17.6	16.8
	20 + 71 + 71	1.67	5.92	5.92	-	-	-	7.2	13.5	13.8	780	4120	4350	18.2	17.4	16.7
	25 + 25 + 25	3.40	3.40	3.40	-	-	-	3.2	10.2	12.4	780	2760	3880	12.7	12.1	11.6
	25 + 25 + 35	3.32	3.32	4.65	-	-	-	3.2	11.3	13.2	780	3170	4120	14.6	13.9	13.3
	25 + 25 + 50	3.15	3.15	6.30	-	-	-	3.2	12.6	13.8	780	3690	4350	16.9	16.2	15.5
	25 + 25 + 60	3.07	3.07	7.36	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	25 + 25 + 71	2.79	2.79	7.92	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	25 + 35 + 35	3.26	4.57	4.57	-	-	-	3.2	12.4	13.8	780	3780	4350	17.4	16.6	15.9

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
3 room	25 + 35 + 50	3.07	4.30	6.14	-	-	-	3.2	13.5	13.8	780	4140	4350	19.0	18.2	17.4
	25 + 35 + 60	2.81	3.94	6.75	-	-	-	3.2	13.5	13.8	780	4140	4350	19.0	18.2	17.4
	25 + 35 + 71	2.58	3.61	7.32	-	-	-	4.2	13.5	13.8	780	4130	4350	18.8	18.0	17.2
	25 + 50 + 50	2.70	5.40	5.40	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	25 + 50 + 60	2.50	5.00	6.00	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	25 + 50 + 71	2.31	4.62	6.57	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	25 + 60 + 60	2.33	5.59	5.59	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	25 + 60 + 71	2.16	5.19	6.14	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	25 + 71 + 71	2.02	5.74	5.74	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	35 + 35 + 35	4.50	4.50	4.50	-	-	-	3.2	13.5	13.8	780	4140	4350	19.0	18.2	17.4
	35 + 35 + 50	3.94	3.94	5.63	-	-	-	3.2	13.5	13.8	780	4140	4350	19.0	18.2	17.4
	35 + 35 + 60	3.63	3.63	6.23	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	35 + 35 + 71	3.35	3.35	6.80	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	35 + 50 + 50	3.50	5.00	5.00	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	35 + 50 + 60	3.26	4.66	5.59	-	-	-	3.2	13.5	13.8	780	4130	4350	19.0	18.1	17.4
	35 + 50 + 71	3.03	4.33	6.14	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	35 + 60 + 60	3.05	5.23	5.23	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	35 + 60 + 71	2.85	4.88	5.77	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	35 + 71 + 71	2.67	5.42	5.42	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	50 + 50 + 50	4.50	4.50	4.50	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	50 + 50 + 60	4.22	4.22	5.06	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	50 + 50 + 71	3.95	3.95	5.61	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	50 + 60 + 60	3.97	4.76	4.76	-	-	-	3.2	13.5	13.8	780	4120	4350	18.9	18.1	17.3
	50 + 60 + 71	3.73	4.48	5.30	-	-	-	3.2	13.5	13.8	780	4110	4350	18.9	18.1	17.3
	60 + 60 + 60	4.50	4.50	4.50	-	-	-	3.2	13.5	13.8	780	4110	4350	18.9	18.1	17.3
	60 + 60 + 71	4.24	4.24	5.02	-	-	-	3.2	13.5	13.8	780	4110	4350	18.9	18.1	17.3
4 room	20 + 20 + 20 + 20	3.00	3.00	3.00	3.00	-	-	3.6	12.0	13.8	950	3270	3920	14.9	14.2	13.6
	20 + 20 + 20 + 25	2.92	2.92	2.92	3.65	-	-	3.6	12.4	13.8	950	3460	3920	15.7	15.1	14.4
	20 + 20 + 20 + 35	2.84	2.84	2.84	4.97	-	-	3.6	13.5	13.8	950	3770	3920	17.2	16.4	15.7
	20 + 20 + 20 + 50	2.45	2.45	2.45	6.14	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	20 + 20 + 20 + 60	2.25	2.25	2.25	6.75	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	20 + 20 + 20 + 71	2.06	2.06	2.06	7.32	-	-	3.6	13.5	13.8	950	3750	3920	16.9	16.2	15.5
	20 + 20 + 25 + 25	2.84	2.84	3.56	3.56	-	-	3.6	12.8	13.8	950	3510	3920	16.0	15.3	14.6
	20 + 20 + 25 + 35	2.70	2.70	3.38	4.73	-	-	3.6	13.5	13.8	950	3770	3920	17.2	16.4	15.7
	20 + 20 + 25 + 50	2.35	2.35	2.93	5.87	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	20 + 20 + 25 + 60	2.16	2.16	2.70	6.48	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	20 + 20 + 25 + 71	1.99	1.99	2.48	7.05	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	20 + 20 + 35 + 35	2.45	2.45	4.30	4.30	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	20 + 20 + 35 + 50	2.16	2.16	3.78	5.40	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	20 + 20 + 35 + 60	2.00	2.00	3.50	6.00	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	20 + 20 + 35 + 71	1.85	1.85	3.24	6.57	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 20 + 50 + 50	1.93	1.93	4.82	4.82	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 20 + 50 + 60	1.80	1.80	4.50	5.40	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 20 + 50 + 71	1.68	1.68	4.19	5.95	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 20 + 60 + 60	1.69	1.69	5.06	5.06	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 20 + 60 + 71	1.58	1.58	4.74	5.61	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 20 + 71 + 71	1.48	1.48	5.27	5.27	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 25 + 25 + 25	2.78	3.47	3.47	3.47	-	-	3.6	13.2	13.8	950	3620	3920	16.5	15.8	15.1
	20 + 25 + 25 + 35	2.57	3.21	3.21	4.50	-	-	3.6	13.5	13.8	950	3770	3920	17.2	16.4	15.7
	20 + 25 + 25 + 50	2.25	2.81	2.81	5.63	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	20 + 25 + 25 + 60	2.08	2.60	2.60	6.23	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	20 + 25 + 25 + 71	1.91	2.39	2.39	6.80	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 25 + 35 + 35	2.35	2.93	4.11	4.11	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	20 + 25 + 35 + 50	2.08	2.60	3.63	5.19	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	20 + 25 + 35 + 60	1.93	2.41	3.38	5.79	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
4 room	20 + 25 + 35 + 71	1.79	2.24	3.13	6.35	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 25 + 50 + 50	1.86	2.33	4.66	4.66	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 25 + 50 + 60	1.74	2.18	4.35	5.23	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 25 + 50 + 71	1.63	2.03	4.07	5.77	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 25 + 60 + 60	1.64	2.05	4.91	4.91	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 25 + 60 + 71	1.53	1.92	4.60	5.45	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 25 + 71 + 71	1.44	1.80	5.13	5.13	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	20 + 35 + 35 + 35	2.16	3.78	3.78	3.78	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	20 + 35 + 35 + 50	1.93	3.38	3.38	4.82	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 35 + 35 + 60	1.80	3.15	3.15	5.40	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 35 + 35 + 71	1.68	2.93	2.93	5.95	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 35 + 50 + 50	1.74	3.05	4.35	4.35	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	20 + 35 + 50 + 60	1.64	2.86	4.09	4.91	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 35 + 50 + 71	1.53	2.68	3.84	5.45	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 35 + 60 + 60	1.54	2.70	4.63	4.63	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 35 + 60 + 71	1.45	2.54	4.35	5.15	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	20 + 50 + 50 + 50	1.59	3.97	3.97	3.97	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 50 + 50 + 60	1.50	3.75	3.75	4.50	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	20 + 50 + 50 + 71	1.41	3.53	3.53	5.02	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	20 + 50 + 60 + 60	1.42	3.55	4.26	4.26	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	25 + 25 + 25 + 25	3.38	3.38	3.38	3.38	-	-	3.6	13.5	13.8	950	3770	3920	17.2	16.4	15.7
	25 + 25 + 25 + 35	3.07	3.07	3.07	4.30	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	25 + 25 + 25 + 50	2.70	2.70	2.70	5.40	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	25 + 25 + 25 + 60	2.50	2.50	2.50	6.00	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	25 + 25 + 25 + 71	2.31	2.31	2.31	6.57	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 25 + 35 + 35	2.81	2.81	3.94	3.94	-	-	3.6	13.5	13.8	950	3760	3920	17.1	16.4	15.7
	25 + 25 + 35 + 50	2.50	2.50	3.50	5.00	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	25 + 25 + 35 + 60	2.33	2.33	3.26	5.59	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 25 + 35 + 71	2.16	2.16	3.03	6.14	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 25 + 50 + 50	2.25	2.25	4.50	4.50	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 25 + 50 + 60	2.11	2.11	4.22	5.06	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 25 + 50 + 71	1.97	1.97	3.95	5.61	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 25 + 60 + 60	1.99	1.99	4.76	4.76	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 25 + 60 + 71	1.86	1.86	4.48	5.30	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 25 + 71 + 71	1.76	1.76	4.99	4.99	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	25 + 35 + 35 + 35	2.60	3.63	3.63	3.63	-	-	3.6	13.5	13.8	950	3750	3920	17.1	16.3	15.6
	25 + 35 + 35 + 50	2.33	3.26	3.26	4.66	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 35 + 35 + 60	2.18	3.05	3.05	5.23	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 35 + 35 + 71	2.03	2.85	2.85	5.77	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 35 + 50 + 50	2.11	2.95	4.22	4.22	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	25 + 35 + 50 + 60	1.99	2.78	3.97	4.76	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 35 + 50 + 71	1.86	2.61	3.73	5.30	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 35 + 60 + 60	1.88	2.63	4.50	4.50	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 35 + 60 + 71	1.77	2.47	4.24	5.02	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	25 + 50 + 50 + 50	1.93	3.86	3.86	3.86	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	25 + 50 + 50 + 60	1.82	3.65	3.65	4.38	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	25 + 50 + 60 + 60	1.73	3.46	4.15	4.15	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	35 + 35 + 35 + 35	3.38	3.38	3.38	3.38	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	35 + 35 + 35 + 50	3.05	3.05	3.05	4.35	-	-	3.6	13.5	13.8	950	3740	3920	17.0	16.3	15.6
	35 + 35 + 35 + 60	2.86	2.86	2.86	4.91	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	35 + 35 + 35 + 71	2.68	2.68	2.68	5.45	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	35 + 35 + 50 + 50	2.78	2.78	3.97	3.97	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	35 + 35 + 50 + 60	2.63	2.63	3.75	4.50	-	-	3.6	13.5	13.8	950	3730	3920	17.0	16.2	15.6
	35 + 35 + 50 + 71	2.47	2.47	3.53	5.02	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	35 + 35 + 60 + 60	2.49	2.49	4.26	4.26	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	35 + 50 + 50 + 50	2.55	3.65	3.65	3.65	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5
	35 + 50 + 50 + 60	2.42	3.46	3.46	4.15	-	-	3.6	13.5	13.8	950	3720	3920	16.9	16.2	15.5

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 20 + 20 + 20 + 20	2.70	2.70	2.70	2.70	2.70	-	4.0	13.5	13.8	1050	3450	3470	15.7	15.0	14.4
	20 + 20 + 20 + 20 + 25	2.57	2.57	2.57	2.57	3.21	-	4.0	13.5	13.8	1050	3450	3470	15.7	15.0	14.4
	20 + 20 + 20 + 20 + 35	2.35	2.35	2.35	2.35	4.11	-	4.0	13.5	13.8	1050	3440	3470	15.7	15.0	14.3
	20 + 20 + 20 + 20 + 50	2.08	2.08	2.08	2.08	5.19	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 20 + 20 + 20 + 60	1.93	1.93	1.93	1.93	5.79	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 20 + 20 + 20 + 71	1.79	1.79	1.79	1.79	6.35	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 20 + 25 + 25	2.45	2.45	2.45	3.07	3.07	-	4.0	13.5	13.8	1050	3450	3470	15.7	15.0	14.4
	20 + 20 + 20 + 25 + 35	2.25	2.25	2.25	2.81	3.94	-	4.0	13.5	13.8	1050	3440	3470	15.7	15.0	14.3
	20 + 20 + 20 + 25 + 50	2.00	2.00	2.00	2.50	5.00	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 20 + 20 + 25 + 60	1.86	1.86	1.86	2.33	5.59	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 20 + 25 + 71	1.73	1.73	1.73	2.16	6.14	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 20 + 35 + 35	2.08	2.08	2.08	3.63	3.63	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 20 + 20 + 35 + 50	1.86	1.86	1.86	3.26	4.66	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 20 + 35 + 60	1.74	1.74	1.74	3.05	5.23	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 20 + 35 + 71	1.63	1.63	1.63	2.85	5.77	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 20 + 50 + 50	1.69	1.69	1.69	4.22	4.22	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 20 + 50 + 60	1.59	1.59	1.59	3.97	4.76	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 20 + 60 + 60	1.50	1.50	1.50	4.50	4.50	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 20 + 20 + 60 + 71	1.41	1.41	1.41	4.24	5.02	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	20 + 20 + 25 + 25 + 25	2.35	2.35	2.93	2.93	2.93	-	4.0	13.5	13.8	1050	3440	3470	15.7	15.0	14.3
	20 + 20 + 25 + 25 + 35	2.16	2.16	2.70	2.70	3.78	-	4.0	13.5	13.8	1050	3440	3470	15.7	15.0	14.3
	20 + 20 + 25 + 25 + 50	1.93	1.93	2.41	2.41	4.82	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 20 + 25 + 25 + 60	1.80	1.80	2.25	2.25	5.40	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 25 + 25 + 71	1.68	1.68	2.10	2.10	5.95	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 25 + 35 + 35	2.00	2.00	2.50	3.50	3.50	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 20 + 25 + 35 + 50	1.80	1.80	2.25	3.15	4.50	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 25 + 35 + 60	1.69	1.69	2.11	2.95	5.06	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 25 + 35 + 71	1.58	1.58	1.97	2.76	5.61	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 25 + 50 + 50	1.64	1.64	2.05	4.09	4.09	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 25 + 50 + 60	1.54	1.54	1.93	3.86	4.63	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 25 + 50 + 71	1.45	1.45	1.81	3.63	5.15	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 20 + 25 + 60 + 60	1.46	1.46	1.82	4.38	4.38	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 20 + 35 + 35 + 35	1.86	1.86	3.26	3.26	3.26	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 20 + 35 + 35 + 50	1.69	1.69	2.95	2.95	4.22	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 35 + 35 + 60	1.59	1.59	2.78	2.78	4.76	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 35 + 35 + 71	1.49	1.49	2.61	2.61	5.30	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 20 + 35 + 50 + 50	1.54	1.54	2.70	3.86	3.86	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 20 + 35 + 50 + 60	1.46	1.46	2.55	3.65	4.38	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 20 + 35 + 60 + 60	1.38	1.38	2.42	4.15	4.15	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	20 + 20 + 50 + 50 + 50	1.42	1.42	3.55	3.55	3.55	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	20 + 25 + 25 + 25 + 25	2.25	2.81	2.81	2.81	2.81	-	4.0	13.5	13.8	1050	3440	3470	15.7	15.0	14.3
	20 + 25 + 25 + 25 + 35	2.08	2.60	2.60	2.60	3.63	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 25 + 25 + 25 + 50	1.86	2.33	2.33	2.33	4.66	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 25 + 25 + 25 + 60	1.74	2.18	2.18	2.18	5.23	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 25 + 25 + 25 + 71	1.63	2.03	2.03	2.03	5.77	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 25 + 25 + 35 + 35	1.93	2.41	2.41	3.38	3.38	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	20 + 25 + 25 + 35 + 50	1.74	2.18	2.18	3.05	4.35	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	20 + 25 + 25 + 35 + 60	1.64	2.05	2.05	2.86	4.91	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 25 + 25 + 35 + 71	1.53	1.92	1.92	2.68	5.45	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 25 + 25 + 50 + 50	1.59	1.99	1.99	3.97	3.97	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 25 + 25 + 50 + 60	1.50	1.88	1.88	3.75	4.50	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 25 + 25 + 50 + 71	1.41	1.77	1.77	3.53	5.02	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	20 + 25 + 25 + 60 + 60	1.42	1.78	1.78	4.26	4.26	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	20 + 25 + 35 + 35 + 35	1.80	2.25	3.15	3.15	3.15	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
5 room	20 + 25 + 35 + 35 + 50	1.64	2.05	2.86	2.86	4.09	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 25 + 35 + 35 + 60	1.54	1.93	2.70	2.70	4.63	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 25 + 35 + 35 + 71	1.45	1.81	2.54	2.54	5.15	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 25 + 35 + 50 + 50	1.50	1.88	2.63	3.75	3.75	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 25 + 35 + 50 + 60	1.42	1.78	2.49	3.55	4.26	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	20 + 25 + 50 + 50 + 50	1.38	1.73	3.46	3.46	3.46	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	20 + 35 + 35 + 35 + 35	1.69	2.95	2.95	2.95	2.95	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 35 + 35 + 35 + 50	1.54	2.70	2.70	2.70	3.86	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	20 + 35 + 35 + 35 + 60	1.46	2.55	2.55	2.55	4.38	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	20 + 35 + 35 + 50 + 50	1.42	2.49	2.49	3.55	3.55	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	25 + 25 + 25 + 25 + 25	2.70	2.70	2.70	2.70	2.70	-	4.0	13.5	13.8	1050	3440	3470	15.7	15.0	14.3
	25 + 25 + 25 + 25 + 35	2.50	2.50	2.50	2.50	3.50	-	4.0	13.5	13.8	1050	3430	3470	15.6	14.9	14.3
	25 + 25 + 25 + 25 + 50	2.25	2.25	2.25	2.25	4.50	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	25 + 25 + 25 + 25 + 60	2.11	2.11	2.11	2.11	5.06	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	25 + 25 + 25 + 25 + 71	1.97	1.97	1.97	1.97	5.61	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	25 + 25 + 25 + 35 + 35	2.33	2.33	2.33	3.26	3.26	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	25 + 25 + 25 + 35 + 50	2.11	2.11	2.11	2.95	4.22	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	25 + 25 + 25 + 35 + 60	1.99	1.99	1.99	2.78	4.76	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	25 + 25 + 25 + 35 + 71	1.86	1.86	1.86	2.61	5.30	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	25 + 25 + 25 + 50 + 50	1.93	1.93	1.93	3.86	3.86	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	25 + 25 + 25 + 50 + 60	1.82	1.82	1.82	3.65	4.38	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	25 + 25 + 25 + 60 + 60	1.73	1.73	1.73	4.15	4.15	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	25 + 25 + 35 + 35 + 35	2.18	2.18	3.05	3.05	3.05	-	4.0	13.5	13.8	1050	3420	3470	15.6	14.9	14.3
	25 + 25 + 35 + 35 + 50	1.99	1.99	2.78	2.78	3.97	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	25 + 25 + 35 + 35 + 60	1.88	1.88	2.63	2.63	4.50	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	25 + 25 + 35 + 35 + 71	1.77	1.77	2.47	2.47	5.02	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	25 + 25 + 35 + 50 + 50	1.82	1.82	2.55	3.65	3.65	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	25 + 25 + 35 + 50 + 60	1.73	1.73	2.42	3.46	4.15	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	25 + 35 + 35 + 35 + 35	2.05	2.86	2.86	2.86	2.86	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	25 + 35 + 35 + 35 + 50	1.88	2.63	2.63	2.63	3.75	-	4.0	13.5	13.8	1050	3400	3470	15.5	14.8	14.2
	25 + 35 + 35 + 35 + 60	1.78	2.49	2.49	2.49	4.26	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	25 + 35 + 35 + 50 + 50	1.73	2.42	2.42	3.46	3.46	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
	35 + 35 + 35 + 35 + 35	2.70	2.70	2.70	2.70	2.70	-	4.0	13.5	13.8	1050	3410	3470	15.5	14.8	14.2
	35 + 35 + 35 + 35 + 50	2.49	2.49	2.49	2.49	3.55	-	4.0	13.5	13.8	1050	3390	3470	15.4	14.8	14.1
6 room	20 + 20 + 20 + 20 + 20 + 20	2.25	2.25	2.25	2.25	2.25	2.25	4.5	13.5	13.8	1150	3330	3420	15.2	14.5	13.9
	20 + 20 + 20 + 20 + 20 + 25	2.16	2.16	2.16	2.16	2.16	2.70	4.5	13.5	13.8	1150	3330	3420	15.2	14.5	13.9
	20 + 20 + 20 + 20 + 20 + 35	2.00	2.00	2.00	2.00	2.00	3.50	4.5	13.5	13.8	1150	3330	3420	15.2	14.5	13.9
	20 + 20 + 20 + 20 + 20 + 50	1.80	1.80	1.80	1.80	1.80	4.50	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 20 + 60	1.69	1.69	1.69	1.69	1.69	5.06	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 20 + 71	1.58	1.58	1.58	1.58	1.58	5.61	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 25 + 25	2.08	2.08	2.08	2.08	2.60	2.60	4.5	13.5	13.8	1150	3330	3420	15.2	14.5	13.9
	20 + 20 + 20 + 20 + 25 + 35	1.93	1.93	1.93	1.93	2.41	3.38	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 25 + 50	1.74	1.74	1.74	1.74	2.18	4.35	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 25 + 60	1.64	1.64	1.64	1.64	2.05	4.91	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 25 + 71	1.53	1.53	1.53	1.53	1.92	5.45	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 35 + 35	1.80	1.80	1.80	1.80	3.15	3.15	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 35 + 50	1.64	1.64	1.64	1.64	2.86	4.09	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 35 + 60	1.54	1.54	1.54	1.54	2.70	4.63	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 35 + 71	1.45	1.45	1.45	1.45	2.54	5.15	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 50 + 50	1.50	1.50	1.50	1.50	3.75	3.75	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 20 + 50 + 60	1.42	1.42	1.42	1.42	3.55	4.26	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 25 + 25	2.00	2.00	2.00	2.50	2.50	2.50	4.5	13.5	13.8	1150	3330	3420	15.2	14.5	13.9
	20 + 20 + 20 + 25 + 25 + 35	1.86	1.86	1.86	2.33	2.33	3.26	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 25 + 50	1.69	1.69	1.69	2.11	2.11	4.22	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 25 + 60	1.59	1.59	1.59	1.99	1.99	4.76	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8

<Heating>

Indoor unit combination		Heating capacity (kW)									Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)						Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A	B	C	D	E	F	Min.	Standard	Max.						
6 room	20 + 20 + 20 + 25 + 25 + 71	1.49	1.49	1.49	1.86	1.86	5.30	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 35 + 35	1.74	1.74	1.74	2.18	3.05	3.05	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 35 + 50	1.59	1.59	1.59	1.99	2.78	3.97	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 35 + 60	1.50	1.50	1.50	1.88	2.63	4.50	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 50 + 50	1.46	1.46	1.46	1.82	3.65	3.65	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 25 + 50 + 60	1.38	1.38	1.38	1.73	3.46	4.15	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 35 + 35 + 35	1.64	1.64	1.64	2.86	2.86	2.86	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 20 + 35 + 35 + 50	1.50	1.50	1.50	2.63	2.63	3.75	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 35 + 35 + 60	1.42	1.42	1.42	2.49	2.49	4.26	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 20 + 35 + 50 + 50	1.38	1.38	1.38	2.42	3.46	3.46	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 25 + 25	1.93	1.93	2.41	2.41	2.41	2.41	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 25 + 35	1.80	1.80	2.25	2.25	2.25	3.15	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 25 + 50	1.64	1.64	2.05	2.05	2.05	4.09	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 25 + 60	1.54	1.54	1.93	1.93	1.93	4.63	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 25 + 71	1.45	1.45	1.81	1.81	1.81	5.15	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 35 + 35	1.69	1.69	2.11	2.11	2.95	2.95	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 35 + 50	1.54	1.54	1.93	1.93	2.70	3.86	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 35 + 60	1.46	1.46	1.82	1.82	2.55	4.38	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 25 + 50 + 50	1.42	1.42	1.78	1.78	3.55	3.55	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 35 + 35 + 35	1.59	1.59	1.99	2.78	2.78	2.78	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 35 + 35 + 50	1.46	1.46	1.82	2.55	2.55	3.65	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 25 + 35 + 35 + 60	1.38	1.38	1.73	2.42	2.42	4.15	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 35 + 35 + 35 + 35	1.50	1.50	2.63	2.63	2.63	2.63	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 20 + 35 + 35 + 35 + 50	1.38	1.38	2.42	2.42	2.42	3.46	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 25 + 25	1.86	2.33	2.33	2.33	2.33	2.33	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 25 + 35	1.74	2.18	2.18	2.18	2.18	3.05	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 25 + 50	1.59	1.99	1.99	1.99	1.99	3.97	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 25 + 60	1.50	1.88	1.88	1.88	1.88	4.50	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 25 + 71	1.41	1.77	1.77	1.77	1.77	5.02	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 35 + 35	1.64	2.05	2.05	2.05	2.86	2.86	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 35 + 50	1.50	1.88	1.88	1.88	2.63	3.75	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 35 + 60	1.42	1.78	1.78	1.78	2.49	4.26	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 25 + 50 + 50	1.38	1.73	1.73	1.73	3.46	3.46	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 35 + 35 + 35	1.54	1.93	1.93	2.70	2.70	2.70	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 25 + 35 + 35 + 50	1.42	1.78	1.78	2.49	2.49	3.55	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 25 + 35 + 35 + 35 + 35	1.46	1.82	2.55	2.55	2.55	2.55	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	20 + 35 + 35 + 35 + 35 + 35	1.38	2.42	2.42	2.42	2.42	2.42	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 25 + 25 + 25 + 35	2.11	2.11	2.11	2.11	2.11	2.95	4.5	13.5	13.8	1150	3320	3420	15.1	14.4	13.8
	25 + 25 + 25 + 25 + 25 + 50	1.93	1.93	1.93	1.93	1.93	3.86	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 25 + 25 + 25 + 60	1.82	1.82	1.82	1.82	1.82	4.38	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 25 + 25 + 35 + 35	1.99	1.99	1.99	1.99	2.78	2.78	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 25 + 25 + 35 + 50	1.82	1.82	1.82	1.82	2.55	3.65	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 25 + 25 + 35 + 60	1.73	1.73	1.73	1.73	2.42	4.15	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 25 + 35 + 35 + 35	1.88	1.88	1.88	2.63	2.63	2.63	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 25 + 35 + 35 + 50	1.73	1.73	1.73	2.42	2.42	3.46	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8
	25 + 25 + 35 + 35 + 35 + 35	1.78	1.78	2.49	2.49	2.49	2.49	4.5	13.5	13.8	1150	3310	3420	15.1	14.4	13.8

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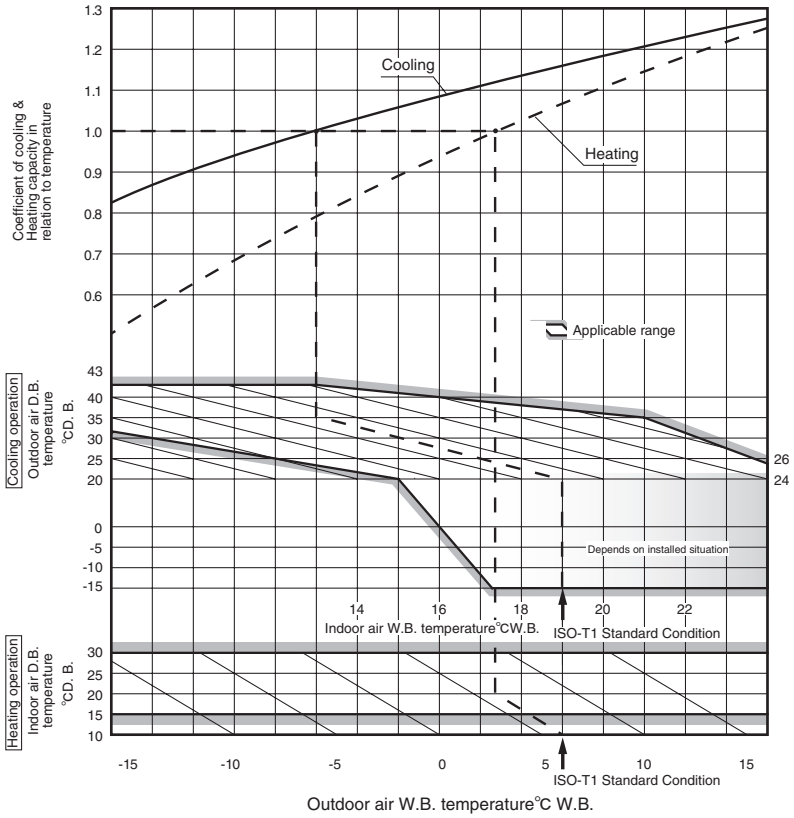
6. SELECTION CHARTS

Correct the cooling and heating capacity in accordance with the conditions as follows. The net cooling and heating capacity can be obtained in the following way.

Net capacity = Capacity shown on specification × Correction factors as follows.

(1) Coefficient of cooling and heating capacity in relation to temperatures



(2) Correction of cooling and heating capacity in relation to one way length of refrigerant piping

It is necessary to correct the cooling and heating capacity in relation to the one way piping length between the indoor and outdoor units.

Piping length [m]	7	10	15	20	25
Cooling	1.0	0.99	0.975	0.965	0.95
Heating	1.0	1.0	1.0	1.0	1.0

(3) Correction relative to frosting on outdoor heat exchanger during heating

In additions to the foregoing corrections (1), (2) the heating capacity needs to be adjusted also with respect to the frosting on the outdoor heat exchanger.

Air inlet temperature of outdoor unit in ℃WB	-15	-10	-9	-7	-5	-3	-1	1	3	5 or more
Adjustment coefficient	0.95	0.95	0.94	0.93	0.91	0.88	0.86	0.87	0.92	1.00

How to obtain the cooling and heating capacity

Example : The net cooling capacity of the model SCM80ZJ-S1 (SRK25ZJX-S : 4 units) with the piping length of 10m, indoor wet-bulb temperature at 19.0℃ and outdoor dry-bulb temperature 35℃ is Net cooling capacity =

$$\underline{(1.98 \times 4)} \times \underline{0.99} \times \underline{1.0} = 7.84\text{kW}$$

- (1.98 × 4): Table of indoor unit combnation (Refer to pege 163)
  Outdoor unit SCM80ZJ-S1
  Indoor unit SRK25ZJX-S × 4 units
- 0.99: Length 10m
- 1.0: Factor by air temperatures

7. OPTIONAL PARTS

7.1 Instullation of wired remote controller

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(1) Remote controller (RC-E4)

Read together with indoor unit's installation manual.

⚠WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.
  Loose connection or hold will cause abnormal heat generation or fire.
- Make sure the power supply is turned off when electric wiring work.
  Otherwise, electric shock, malfunction and improper running may occur.

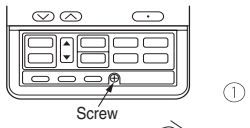
⚠CAUTION

- DO NOT install the remote controller at the following places in order to avoid malfunction.
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
- DO NOT leave the remote controller without the upper case.
  In case the upper cace needs to be detached, protect the remote controller with a packaging box or bag in order to keep it away from water and dust.

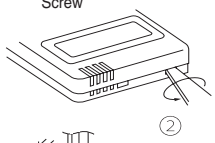
Accessories	Remote controller, wood screw (ø3.5×16) 2 pieces
Prepare on site	Remote controller cord (2 cores) the insulated thickness in 1mm or more. [In case of embedding cord] Erectrical box, M4 screw (2 pieces) [In case of exposing cord] Cord clamp (if needed)

Installation procedure

① Open the cover of remote controller , and remove the screw under the buttons without fail.

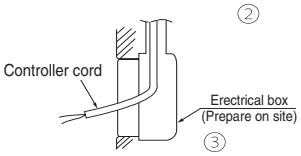


② Remove the upper case of remote controller.
Insert a flat-blade screwdriver into the dented part of the upper part of the remote controller, and wrench slightly.

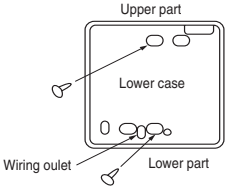


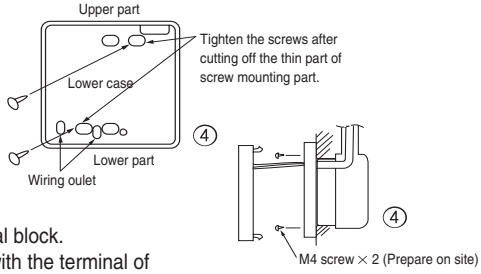
[In case of embedding cord]

③ Embed the erectrical box and remote controller cord beforehand.



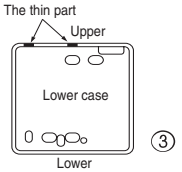
④ Prepare two M4 screws (recommended length is 12-16mm) on site, and install the lower case to erectrical box.
Choose either of the following two positions in fixing it with screws.





⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y). (X and Y are no polarity)

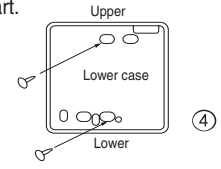
⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.



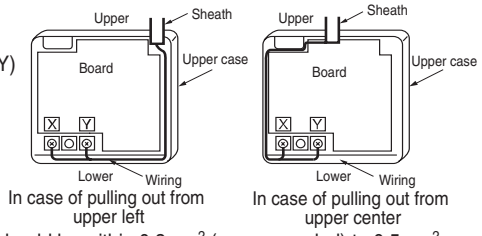
[In case of exposing cord]

③ You can pull out the remote controller cord from left upper part or center upper part.
Cut off the upper thin part of remote controller lower case with a nipper or knife, and grind burrs with a file etc.

④ Install the lower case to the flat wall with attached two wooden screws.

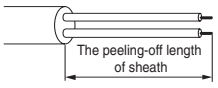


⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y).
(X and Y are no polarity)
Wiring route is as shown in the right diagram depending on the pulling out direction.



The wiring inside the remote controller case should be within 0.3mm^2 (recommended) to 0.5mm^2.
The sheath should be peeled off inside the remote controller case.
The peeling-off length of each wire is as below.

Pulling out from upper left	Pulling out from upper center
X wiring : 215mm Y wiring : 195mm	X wiring : 170mm Y wiring : 190mm



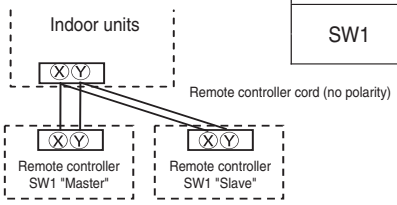
⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.
⑦ In case of exposing cord, fix the cord on the wall with cord clamp so as not to slack.

Installation and wiring of remote controller

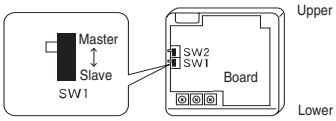
① Wiring of remote controller should use 0.3mm^2 × 2 core wires or cables. (on-site configuration)
② Maximum prolongation of remote controller wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm^2 . Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.
100 - 200m·····0.5mm^2 × 2 cores
Under 300m·····0.75mm^2 × 2 cores
Under 400m·····1.25mm^2 × 2 cores
Under 600m·····2.0mm^2 × 2 cores

Master/ slave setting when more than one remote controllers are used

A maximum of two remote controllers can be connected to one indoor unit (or one group of indoor units.)



Switch	Setting	Contents
SW1	M	Master remote controller
	S	Slave remote controller

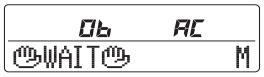


Set SW1 to "Slave" for the slave remote controller. It was factory set to "Master" for shipment.
Note: The setting "Remote controller thermistor enabled" is only selectable with the master remote controller in the position where you want to check room temperature.
The air conditioner operation follows the last operation of the remote controller regardless of the master/ slave setting of it.

The indication when power source is supplied

When power source is turned on, the following is displayed on the remote controller until the communication between the remote controller and indoor unit settled.
Master remote controller : "WAIT M"
Slave remote controller : "WAIT S"

At the same time, a mark or a number will be displayed for two seconds first.
This is the software's administration number of the remote controller, not an error cord.



※ The left mark is only an example. Other marks may appear.

When remote controller cannot communicate with the indoor unit for half an hour, the below indication will appear.
Check wiring of the indoor unit and the outdoor unit etc.

The range of temperature setting

When shipped, the range of set temperature differs depending on the operation mode as below.

Heating : 16~30˚C (55~86˚F)

Except heating (cooling, fan, dry, automatic) : 18~30˚C (62~86˚F)

●Upper limit and lower limit of set temperature can be changed with remote controller.

Upper limit setting: valid during heating operation. Possible to set in the range of 20 to 30˚C (68 to 86˚F).

Lower limit setting: valid except heating (automatic, cooling, fan, dry) Possible to set in the range of 18 to 26˚C (62 to 79˚F).

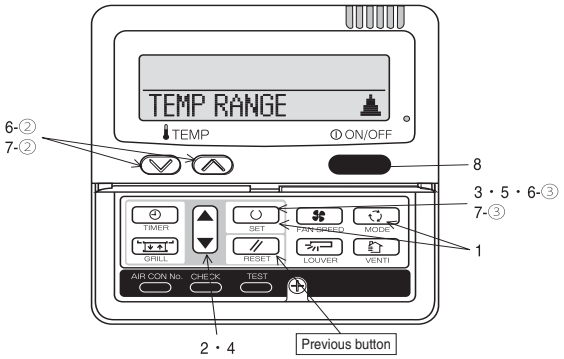
When you set upper and lower limit by this function, control as below.

1. When ⑫ TEMP RANGE SET, remote controller function of function setting mode is "INDN CHANGE" (factory setting),
   【If upper limit value is set】
   During heating, you cannot set the value exceeding the upper limit.
   【If lower limit value is set 】
   During operation mode except heating, you cannot set the value below the lower limit.
2. When ⑫ TEMP RANGE SET, remote controller function of function setting mode is "NO INDN CHANGE"
   【If upper limit value is set】
   During heating, even if the value exceeding the upper limit is set, upper limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.
   【If lower limit value is set 】
   During except heating, even if the value lower than the lower limit is set, lower limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

●How to set upper and lower limit value

1. Stop the air-conditioner, and press (SET) and (MODE) button at the same time for over three seconds .
   The indication changes to "FUNCTION SET ▼".
2. Press ▼ button once, and change to the "TEMP RANGE ▲ " indication.
3. Press (SET) button, and enter the temperature range setting mode.
4. Select "UPPER LIMIT ▼" or "LOWER LIMIT ▲" by using ▲ ▼ button.
5. Press (SET) button to fix.
6. When "UPPER LIMIT ▼" is selected (valid during heating)
   ① Indication: " ∨ ∧ SET UP" → "UPPER 30˚C ∨"
   ② Select the upper limit value with temperature setting button ∨ ∧ . Indication example: "UPPER 26˚C ∨ ∧" (blinking)
   ③ Press (SET) button to fix. Indication example: "UPPER 26˚C" (Displayed for two seconds)
   After the fixed upper limit value displayed for two seconds, the indication will return to "UPPER LIMIT ▼".
7. When "LOWER LIMIT ▲" is selected (valid during cooling, dry, fan, automatic)
   ① Indication: " ∨ ∧ SET UP" → "LOWER 18˚C ∧"
   ② Select the lower limit value with temperature setting button ∨ ∧ . Indication example: "LOWER 24˚C ∨ ∧" (blinking)
   ③ Press (SET) button to fix. Indication for example: "LOWER 24˚C" (Displayed for two seconds)
   After the fixed lower limit value displayed for two seconds, the indication will return to "LOWER LIMIT ▼".
8. Press ON/OFF button to finish.

- It is possible to finish by pressing ON/OFF button on the way, but unfinished change of setting is unavailable.
- During setting, if you press (RESET) button, you return to the previous screen.



The functional setting

●The initial function setting for typical using is performed automatically by the indoor unit connected, when remote controller and indoor unit are connected.
As long as they are used in a typical manner, there will be no need to change the initial settings.
If you would like to change the initial setting marked " ○ ", set your desired setting as for the selected item.
The procedure of functional setting is shown as the following diagram.

[Flow of function setting]

Start : Stop air-conditioner and press " (SET) " (SET) and " (MODE) " (MODE) buttons at the same time for over three seconds.
Finalize : Press " (SET) " (SET) button.
Reset : Press " (RESET) " (RESET) button.
Select : Press ▲ ▼ button.
End : Press ON/OFF button.
It is possible to finish above setting on the way, and unfinished change of setting is unavailable.
" ○ " : Initial settings
" ※ " : Automatic criterion

Record and keep the setting

Consult the technical data etc. for each control details

Stop air-conditioner and press (SET) + (MODE) buttons at the same time for over three seconds.

FUNCTION SET ▼

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FUNCTION ▼ (Remote controller function)

	Function	setting		
01	GRILLE ↑↓ SET			
		↑↓ INVALID	○	
		50Hz ZONE ONLY		When you use at 50Hz area
		60Hz ZONE ONLY		When you use at 60Hz area
02	AUTO RUN SET			
		AUTO RUN ON	※	
		AUTO RUN OFF	※	Automatical operation is impossible
03	TEMP SW			
		VALID	○	
		INVALID		Temperature setting button is not working
04	MODE SW			
		VALID	○	
		INVALID		Mode button is not working
05	ON/OFF SW			
		VALID	○	
		INVALID		On/Off button is not working
06	FAN SPEED SW			
		VALID	※	
		INVALID	※	Fan speed button is not working
07	LOUVER SW			
		VALID	※	
		INVALID	※	Louver button is not working
08	TIMER SW			
		VALID	○	
		INVALID		Timer button is not working
* 09	SENSOR SET			
		SENSOR OFF	○	Remote thermistor is not working.
		SENSOR ON		Remote thermistor is working.
		SENSOR +3.0℃		Remote thermistor is working, and to be set for producing +3.0˚C increase in temperature.
		SENSOR +2.0℃		Remote thermistor is working, and to be set for producing +2.0˚C increase in temperature.
		SENSOR +1.0℃		Remote thermistor is working, and to be set for producing +1.0˚C increase in temperature.
		SENSOR -1.0℃		Remote thermistor is working, and to be set for producing -1.0˚C increase in temperature.
		SENSOR -2.0℃		Remote thermistor is working, and to be set for producing -2.0˚C increase in temperature.
		SENSOR -3.0℃		Remote thermistor is working, and to be set for producing -3.0˚C increase in temperature.
10	AUTO RESTART			
		INVALID	○	
		VALID		
* 11	VENT LINK SET			
		NO VENT	○	
		VENT LINK		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), the operation of ventilation device is linked with the operation of indoor unit.
		NO VENT LINK		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), you can operate /stop the ventilation device independently by (VENT) button.
12	TEMP RANGE SET			
		INDN CHANGE	○	If you change the range of set temperature, the indication of set temperature will vary following the control.
		NO INDN CHANGE		If you change the range of set temperature, the indication of set temperature will not vary following the control, and keep the set temperature.
13	I/U FAN			
		HI-MID-LO	※	Airflow of fan becomes of ※-※-※ or the four speed of ※-※-※-※.
		HI-LO	※	Airflow of fan becomes of ※-※.
		HI-MID		Airflow of fan becomes of ※-※.
		1 FAN SPEED	※	Airflow of fan is fixed at one speed.
14	POSITION			If you change the remote controller function "14 POSITION", you must change the indoor function "04 POSITION" accordingly.
		4POSITION STOP	○	You can select the louver stop position in the four.
		FREE STOP		The louver can stop at any position.
15	MODEL TYPE			
		HEAT PUMP	※	
		COOLING ONLY	※	
16	EXTERNAL CONTROL SET			
		INDIVIDUAL	○	If you input signal into CNT of the indoor printed circuit board from external, the indoor unit will be operated independently according to the input from external.
		FOR ALL UNITS		If you input into CNT of the indoor printed circuit board from external, all units which connect to the same remote controller are operated according to the input from external.
17	ROOM TEMP INDICATION SET			
		INDICATION OFF	○	
		INDICATION ON		In normal working indication, indoor unit temperature is indicated instead of airflow. (Only the master remote controller can be indicated.)
18	※ INDICATION			
		INDICATION ON	○	
		INDICATION OFF		Heating preparation indication should not be indicated.
19	℃/℉ SET			
		℃	○	Temperature indication is by degree C
		℉		Temperature indication is by degree F

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Note (1) * The mark cannot use SRK, SRF and SRR series.

ON/OFF button (finished)

Note 1: The initial setting marked "※" is decided by connected indoor and outdoor unit, and is automatically defined as following table.

Function No.	Item	Default	Model
Remote controller function02	AUTO RUN SET	AUTO RUN ON	"Auto-RUN" mode selectable indoor unit.
		AUTO RUN OFF	Indoor unit without "Auto-RUN" mode
Remote controller function06	FAN SPEED SW	VALID	Indoor unit with two or three step of air flow setting
		INVALID	Indoor unit with only one of air flow setting
Remote controller function07	LOUVER SW	VALID	Indoor unit with automatically swing louver
		INVALID	Indoor unit without automatically swing louver
Remote controller function13	I/U FAN	HI-MID-LO	Indoor unit with three step of air flow setting
		HI-LO	Indoor unit with two step of air flow setting
		HI-MID	
		1 FAN SPEED	Indoor unit with only one of air flow setting
Remote controller function15	MODEL TYPE	HEAT PUMP	Heat pump unit
		COOLING ONLY	Exclusive cooling unit

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit.
But only master indoor unit is received the setting change of indoor unit function "05 EXTERNAL INPUT" and "06 PERMISSION / PROHIBISHION".

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(Indoor unit function) I/U FUNCTION ▲

Indoor unit No. are indicated only when plural indoor units are connected.

I/U000 ▲ / I/U001 ≑ / I/U002 ≑ / I/U003 ≑ / I/U004 ≑

Function	setting		
* 02 FAN SPEED SET	STANDARD	※	
	HIGH SPEED 1	※	
	HIGH SPEED 2		
* 03 FILTER SIGN SET	INDICATION OFF		
	TYPE 1	○	The filter sign is indicated after running for 180 hours.
	TYPE 2		The filter sign is indicated after running for 600 hours.
	TYPE 3		The filter sign is indicated after running for 1000 hours.
	TYPE 4		The filter sign is indicated after running for 1000 hours, then the indoor unit will be stopped by compulsion after 24 hours.
04 ≒ POSITION			If you change the indoor function "04 ≒ POSITION", you must change the remote controller function "14 ≒ POSITION" accordingly.
	4POSITION STOP	○	You can select the louver stop position in the four.
	FREE STOP		The louver can stop at any position.
05 EXTERNAL INPUT			
	LEVEL INPUT	○	
	PULSE INPUT		
06 OPERATION PERMISSION/PROHIBITION			
	INVALID	○	
	VALID		Permission/prohibition control of operation will be valid.
* 07 EMERGENCY STOP			
	INVALID	○	
	VALID		With the VRF series, it is used to stop all indoor units connected with the same outdoor unit immediately. When stop signal is inputed from remote on-off terminal "CNT-6", all indoor units are stopped immediately.
* 08 ☼ SP OFFSET	OFFSET +3.0℃		To be reset for producing +3.0˚C increase in temperature during heating.
	OFFSET +2.0℃		To be reset for producing +2.0˚C increase in temperature during heating.
	OFFSET +1.0℃		To be reset for producing +1.0˚C increase in temperature during heating.
	NO OFFSET	○	
* 09 RETURN AIR TEMP	OFFSET +2.0℃		To be reset producing +2.0˚C increase in return air temperature of indoor unit.
	OFFSET +1.5℃		To be reset producing +1.5˚C increase in return air temperature of indoor unit.
	OFFSET +1.0℃		To be reset producing +1.0˚C increase in return air temperature of indoor unit.
	NO OFFSET	○	
	OFFSET -1.0℃		To be reset producing -1.0˚C increase in return air temperature of indoor unit.
	OFFSET -1.5℃		To be reset producing -1.5˚C increase in return air temperature of indoor unit.
	OFFSET -2.0℃		To be reset producing -2.0˚C increase in return air temperature of indoor unit.
* 10 ☼ FAN CONTROL			
	LOW FAN SPEED	○	When heating thermostat is OFF, to be operated with, low fan speed. (or with ultra low fan speed in case of some model.)
	SET FAN SPEED		When heating thermostat is OFF, to be operated with set fan speed.
	INTERMITTENCE		When heating thermostat is OFF, fan speed is operated intermittently.
	FAN OFF		When heating thermostat is OFF, the fan is stopped. When the remote thermistor is working, "FAN OFF" is set automatically. Do not set "FAN OFF" when the indoor unit's thermistor is working.
* 11 FROST PREVENTION TEMP			Change of indoor heat exchanger temperature to start frost prevention control.
	TEMP HIGH		
	TEMP LOW	○	
* 12 FROST PREVENTION CONTROL			Working only with the Single split series.
	FAN CONTROL ON	○	To control frost prevention, the indoor fan tap is raised.
	FAN CONTROL OFF		
* 13 DRAIN PUMP LINK			
	☼◇	○	Drain pump is run during cooling and dry.
	☼◇ AND☼		Drain pump is run during cooling, dry and heating.
	☼◇ AND☼AND≋		Drain pump is run during cooling, dry, heating and fan.
	☼◇ AND≋		Drain pump is run during cooling, dry and fan.
* 14 ☼ FAN REMAINING			
	NO REMAINING	○	After cooling is stopped, the fan does not perform extra operation.
	0.5 HOUR		After cooling is stopped, the fan perform extra operation for half an hour.
	1 HOUR		After cooling is stopped, the fan perform extra operation for an hour.
	6 HOUR		After cooling is stopped, the fan perform extra operation for six hours.
* 15 ☼ FAN REMAINING			
	NO REMAINING	○	After heating is stopped or heating thermostat is OFF, the fan does not perform extra operation.
	0.5 HOUR		After heating is stopped or heating thermostat is OFF,the fan perform extra operation for half an hour.
	2 HOUR		After heating is stopped or heating thermostat is OFF,the fan perform extra operation for two hours.
	6 HOUR		After heating is stopped or heating thermostat is OFF, the fan perform extra operation for six hours.
* 16 ☼ FAN INTERMITTENCE			
	NO REMAINING	○	
	20minOFF 5minON		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minutes with low fan speed after twenty minutes' OFF.
	5minOFF 5minON		During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minutes with low fan speed after five minutes' OFF.
* 17 PRESSURE CONTROL			
	STANDARD	※	
	TYPE1	※	Connected "OA Processing" type indoor unit, and is automatically defined.

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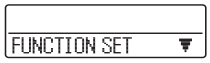
Note2: Fan setting of "HIGH SPEED"

Fan tap		Indoor unit air flow setting			
		※ - ※ - ※	※ - ※ - ※	※ - ※	※ - ※
FAN SPEED SET	STANDARD	PHi - Hi - Me - Lo	Hi - Me - Lo	Hi - Lo	Hi - Me
	HIGH SPEED1, 2	PHi - PHi - Hi - Me	PHi - Hi - Me	PHi - Me	PHi - Hi

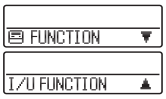
Initial function setting of some indoor unit is "HIGH SPEED".
4 speed is not able to be set with wireless remote controller or simple remote controller (RCH-H3).

How to set function

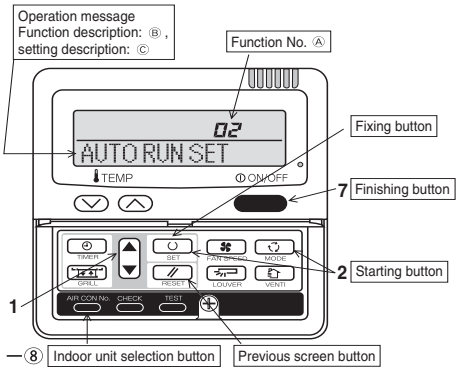
1. **Stop air-conditioner and press (SET) (MODE) buttons at the same time for over three seconds, and the "FUNCTION SET ▼" will be displayed.**



2. **Press (SET) button.**
3. **Make sure which do you want to set, "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).**
4. **Press ▲ or ▼ button.**
   Selecct "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).



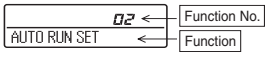
5. **Press (SET) button.**



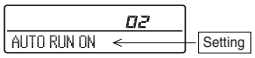
6. **【On the occasion of remote controller function selection】**

① "DATA LOADING" (Indication with blinking)
↓
Display is changed to "01 GRILLE ↑↓SET".

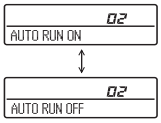
② Press ▲ or ▼ button.
"No. and function"are indicated by turns on the remote controller function table, then you can select from them.
(For example)



③ Press (SET) button.
The current setting of selected function is indicated.
(for example) "AUTO RUN ON" ← If "02 AUTO RUN SET" is selected



④ Press ▲ or ▼ button.
Select the setting.



⑤ Press (SET)
"SET COMPLETE" will be indicated, and the setting will be completed.
Then after "No. and function" indication returns, Set as the same procedure if you want to set continuously ,and if to finish, go to 7.

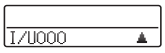
7. **Press ON/OFF button.**
   Setting is finished.

【On the occasion of indoor unit function selection】

① "DATA LOADING" (Blinking for 2 to 23 seconds to read the data)
↓
Indication is changed to "02 FAN SPEED SET".
Go to ②.

[Note]

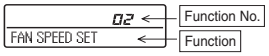
(1) If plural indoor units are connected to a remote controller, the indication is "I/U 000" (blinking) ← The lowest number of the indoor unit connected is indicated.



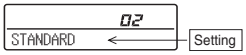
(2) Press ▲ or ▼ button.
Select the number of the indoor unit you are to set
If you select "ALL UNIT ▼", you can set the same setting with all unites.

(3) Press (SET) button.

② Press ▲ or ▼ button.
"No. and function" are indicated by turns on the indoor unit function table, then you can select from them.
(For example)



③ Press (SET) button.
The current setting of selected function is indicated.
(For example) "STANDARD" ← If "02 FAN SPEED SET" is selected.



④ Press ▲ or ▼ button.
Select the setting.

⑤ Press (SET) button.
"SET COMPLETE" will be indicated, and the setting will be completed.
Then after "No. and function" indication returns, set as the same procedure if you want to set continuously , and if to finish, go to 7.

※ When plural indoor units are connected to a remote controller, press the AIRCON NO. button, which allows you to go back to the indoor unit selection screen. (example "I/U 000 ▲")

- It is possible to finish by pressing ON/OFF button on the way, but unfinished change of setting is unavailable.
- During setting, if you press (RESET) button, you return to the previous screen.
- Setting is memorized in the controller and it is saved independently of power failure.

【How to check the current setting】

When you select from "No. and funcion" and press set button by the previous operation, the "Setting" displayed first is the current setting.
(But, if you select "ALL UNIT ▼", the setting of the lowest number indoor unit is displayed.)

(2) Remote controller (RC-E5)

PJA012D730

Read together with indoor unit's installation manual.

⚠WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.
  Loose connection or hold will cause abnormal heat generation or fire.
- Make sure the power supply is turned off when electric wiring work.
  Otherwise, electric shock, malfunction and improper running may occur.

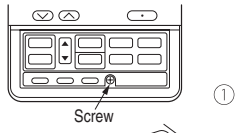
⚠CAUTION

- DO NOT install the remote controller at the following places in order to avoid malfunction.
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
- DO NOT leave the remote controller without the upper case.
  In case the upper cace needs to be detached, protect the remote controller with a packaging box or bag in order to keep it away from water and dust.

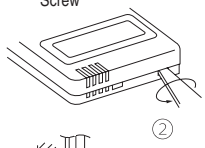
Accessories	Remote controller, wood screw (ø3.5×16) 2 pieces
Prepare on site	Remote controller cord (2 cores) the insulation thickness in 1mm or more. [In case of embedding cord] Erectrical box, M4 screw (2 pieces) [In case of exposing cord] Cord clamp (if needed)

Installation procedure

① Open the cover of remote controller , and remove the screw under the buttons without fail.

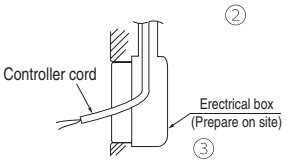


② Remove the upper case of remote controller.
Insert a flat-blade screwdriver into the dented part of the upper part of the remote controller, and wrench slightly.

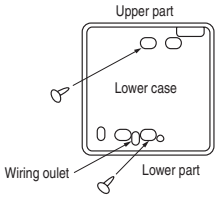


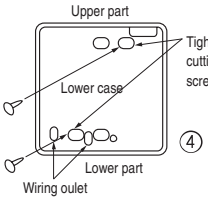
[In case of embedding cord]

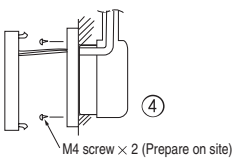
③ Embed the erectrical box and remote controller cord beforehand.



④ Prepare two M4 screws (recommended length is 12-16mm) on site, and install the lower case to erectrical box.
Choose either of the following two positions in fixing it with screws.





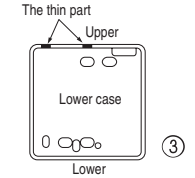


⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y). (X and Y are no polarity)

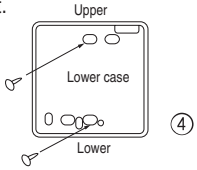
⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.

[In case of exposing cord]

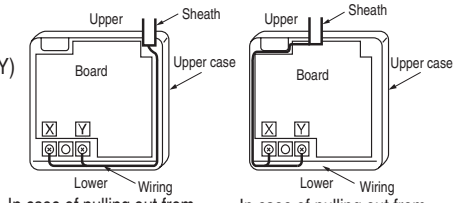
③ You can pull out the remote controller cord from left upper part or center upper part.
Cut off the upper thin part of remote controller lower case with a nipper or knife, and grind burrs with a file etc.



④ Install the lower case to the flat wall with attached two wooden screws.

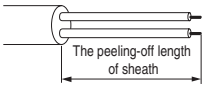


⑤ Connect the remote controller cord to the terminal block.
Connect the terminal of remote controller (X,Y) with the terminal of indoor unit (X,Y).
(X and Y are no polarity)
Wiring route is as shown in the right diagram depending on the pulling out direction.



The wiring inside the remote controller case should be within 0.3mm^2 (recommended) to 0.5mm^2.
The sheath should be peeled off inside the remote controller case.
The peeling-off length of each wire is as below.

Pulling out from upper left	Pulling out from upper center
X wiring : 215mm Y wiring : 195mm	X wiring : 170mm Y wiring : 190mm



⑥ Install the upper case as before so as not to catch up the remote controller cord, and tighten with the screws.
⑦ In case of exposing cord, fix the cord on the wall with cord clamp so as not to slack.

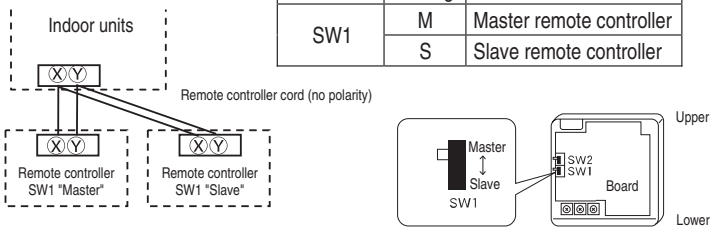
Installation and wiring of remote controller

① Wiring of remote controller should use 0.3mm^2 × 2 core wires or cables. (on-site configuration)
② Maximum prolongation of remote controller wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, wiring in the remote controller case should be under 0.5mm^2 . Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire connecting section. Be careful about contact failure.
100 - 200m·····0.5mm^2 × 2 cores
Under 300m·····0.75mm^2 × 2 cores
Under 400m·····1.25mm^2 × 2 cores
Under 500m·····2.0mm^2 × 2 cores

Master/ slave setting when more than one remote controllers are used

A maximum of two remote controllers can be connected to one indoor unit (or one group of indoor units.)

Switch	Setting	Contents
SW1	M	Master remote controller
	S	Slave remote controller



Set SW1 to "Slave" for the slave remote controller. It was factory set to "Master" for shipment.
Note: The setting "Remote controller thermistor enabled" is only selectable with the master remote controller in the position where you want to check room temperature.
The air conditioner operation follows the last operation of the remote controller regardless of the master/ slave setting of it.

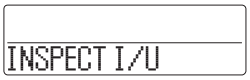
The indication when power source is supplied

When power source is turned on, the following is displayed on the remote controller until the communication between the remote controller and indoor unit settled.
Master remote controller : "WAIT M"
Slave remote controller : "WAIT S"

At the same time, a mark or a number will be displayed for two seconds first.
This is the software's administration number of the remote controller, not an error cord.

※ The left mark is only an example. Other marks may appear.

When remote controller cannot communicate with the indoor unit for half an hour, the below indication will appear.
Check wiring of the indoor unit and the outdoor unit etc.



The range of temperature setting

When shipped, the range of set temperature differs depending on the operation mode as below.

Heating : 16~30˚C (55~86˚F)

Except heating (cooling, fan, dry, automatic) : 18~30˚C (62~86˚F)

●Upper limit and lower limit of set temperature can be changed with remote controller.

Upper limit setting: valid during heating operation. Possible to set in the range of 20 to 30˚C (68 to 86˚F).

Lower limit setting: valid except heating (automatic, cooling, fan, dry) Possible to set in the range of 18 to 26°C (62 to 79°F).

When you set upper and lower limit by this function, control as below.

1. When ⑫TEMP RANGE SET, remote controller function of function setting mode is "INDN CHANGE" (factory setting),

   【If upper limit value is set】

   During heating, you cannot set the value exceeding the upper limit.

   【If lower limit value is set 】

   During operation mode except heating, you cannot set the value below the lower limit.

2. When ⑫TEMP RANGE SET, remote controller function of function setting mode is "NO INDN CHANGE"

   【If upper limit value is set】

   During heating, even if the value exceeding the upper limit is set, upper limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

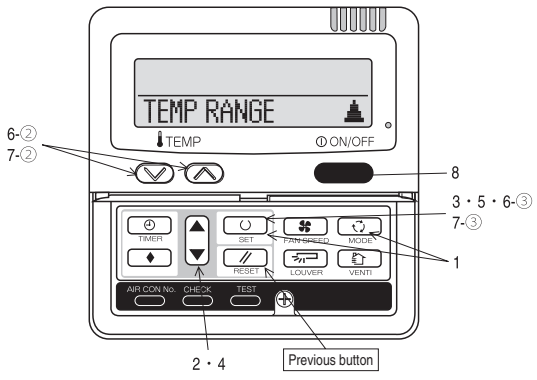
   【If lower limit value is set 】

   During except heating, even if the value lower than the lower limit is set, lower limit value will be sent to the indoor unit. But, the indication is the same as the temperature set.

●How to set upper and lower limit value

1. Stop the air-conditioner, and press (SET) and (MODE) button at the same time for over three seconds .
   The indication changes to "FUNCTION SET ▼".
2. Press ▼ button once, and change to the "TEMP RANGE ▲ " indication.
3. Press (SET) button, and enter the temperature range setting mode.
4. Select "UPPER LIMIT ▼" or "LOWER LIMIT ▲" by using ▲ ▼ button.
5. Press (SET) button to fix.
6. When "UPPER LIMIT ▼" is selected (valid during heating)
   ① Indication: "∨ ∧ SET UP" → "UPPER 30˚C ∨"
   ② Select the upper limit value with temperature setting button ∨ ∧. Indication example: "UPPER 26˚C ∨ ∧" (blinking)
   ③ Press (SET) button to fix. Indication example: "UPPER 26˚C" (Displayed for two seconds)
   After the fixed upper limit value displayed for two seconds, the indication will return to "UPPER LIMIT ▼".
7. When "LOWER LIMIT ▲" is selected (valid during cooling, dry, fan, automatic)
   ① Indication: "∨ ∧ SET UP" → "LOWER 18˚C ∧"
   ② Select the lower limit value with temperature setting button ∨ ∧. Indication example: "LOWER 24˚C ∨ ∧" (blinking)
   ③ Press (SET) button to fix. Indication for example: "LOWER 24˚C" (Displayed for two seconds)
   After the fixed lower limit value displayed for two seconds, the indication will return to "LOWER LIMIT ▼".
8. Press ON/OFF button to finish.

- It is possible to finish by pressing ON/OFF button on the way, but unfinished change of setting is unavailable.
- During setting, if you press (RESET) button, you return to the previous screen.



The functional setting

●The initial function setting for typical using is performed automatically by the indoor unit connected, when remote controller and indoor unit are connected.
As long as they are used in a typical manner, there wiil be no need to change the initial settings.
If you would like to change the initial setting marked "○", set your desired setting as for the selected item.
The procedure of functional setting is shown as the following diagram.

[Flow of function setting]

Start : Stop air-conditioner and press "(SET)" and "(MODE)" buttons at the same time for over three seconds.
Finalize : Press "(SET)" button.
Reset : Press "(RESET)" button.
Select : Press ▲ ▼ button.
End : Press ON/OFF button.
It is possible to finish above setting on the way, and unfinished change of setting is unavailable.
"○" : Initial settings
"※" : Automatic criterion

Record and keep the setting

Consult the technical data etc. for each control details

Stop air-conditioner and press (SET) + (MODE) buttons at the same time for over three seconds.

FUNCTION SET ▼

To next page

FUNCTION ▼ (Remote controller function)

	Function	setting		
	01 ESP SET	ESP VALID	○	Validate setting of ESP:External Static Pressure
		ESP INVALID		Invalidate setting of ESP
	02 AUTO RUN SET			
		AUTO RUN ON	※	
		AUTO RUN OFF	※	Automatical operation is impossible
	03 TEMP SW			
		VALID	○	
		INVALID		Temperature setting button is not working
	04 MODE SW			
		VALID	○	
		INVALID		Mode button is not working
	05 ON/OFF SW			
		VALID	○	
		INVALID		On/Off button is not working
	06 FAN SPEED SW			
		VALID	※	
		INVALID	※	Fan speed button is not working
	07 LOUVER SW			
		VALID	※	
		INVALID	※	Louver button is not working
	08 TIMER SW			
		VALID	○	
		INVALID		Timer button is not working
*	09 SENSOR SET			
		SENSOR OFF	○	Remote thermistor is not working.
		SENSOR ON		Remote thermistor is working.
		SENSOR +3.0℃		Remote thermistor is working, and to be set for producing +3.0℃ increase in temperature.
		SENSOR +2.0℃		Remote thermistor is working, and to be set for producing +2.0℃ increase in temperature.
		SENSOR +1.0℃		Remote thermistor is working, and to be set for producing +1.0℃ increase in temperature.
		SENSOR -1.0℃		Remote thermistor is working, and to be set for producing -1.0℃ increase in temperature.
		SENSOR -2.0℃		Remote thermistor is working, and to be set for producing -2.0℃ increase in temperature.
		SENSOR -3.0℃		Remote thermistor is working, and to be set for producing -3.0℃ increase in temperature.
	10 AUTO RESTART			
		INVALID	○	
		VALID		
*	11 VENT LINK SET			
		NO VENT	○	
		VENT LINK		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), the operation of ventilation device is linked with the operation of indoor unit.
		NO VENT LINK		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), you can operate /stop the ventilation device independently by (VENT) button.
	12 TEMP RANGE SET			
		INDN CHANGE	○	If you change the range of set temperature, the indication of set temperature will vary following the control.
		NO INDN CHANGE		If you change the range of set temperature, the indication of set temperature will not vary following the control, and keep the set temperature.
	13 I/U FAN			
		HI-MID-LO	※	Airflow of fan becomes of ※-※-※or the four speed of ※-※-※-※.
		HI-LO	※	Airflow of fan becomes of ※-※.
		HI-MID		Airflow of fan becomes of ※-※.
		1 FAN SPEED	※	Airflow of fan is fixed at one speed.
	14 POSITION			If you change the remote controller function "14 POSITION", you must change the indoor function "04 POSITION" accordingly.
		4POSITION STOP	○	You can select the louver stop position in the four.
		FREE STOP		The louver can stop at any position.
	15 MODEL TYPE			
		HEAT PUMP	※	
		COOLING ONLY	※	
	16 EXTERNAL CONTROL SET			
		INDIVIDUAL	○	If you input signal into CNT of the indoor printed circuit board from external,the indoor unit will be operated independently according to the input from external.
		FOR ALL UNITS		If you input into CNT of the indoor printed circuit board from external, all units which connect to the same remote controller are operated according to the input from external.
	17 ROOM TEMP INDICATION SET			
		INDICATION OFF	○	
		INDICATION ON		In normal working indication, indoor unit temperature is indicated instead of airflow. (Only the master remote controller can be indicated.)
	18 ※INDICATION			
		INDICATION ON	○	
		INDICATION OFF		Heating preparation indication should not be indicated.
	19 ℃/℉ SET			
		℃	○	Temperature indication is by degree C
		℉		Temperature indication is by degree F

To next page

Note (1) * The mark cannot use SRK, SRF and SRR series.

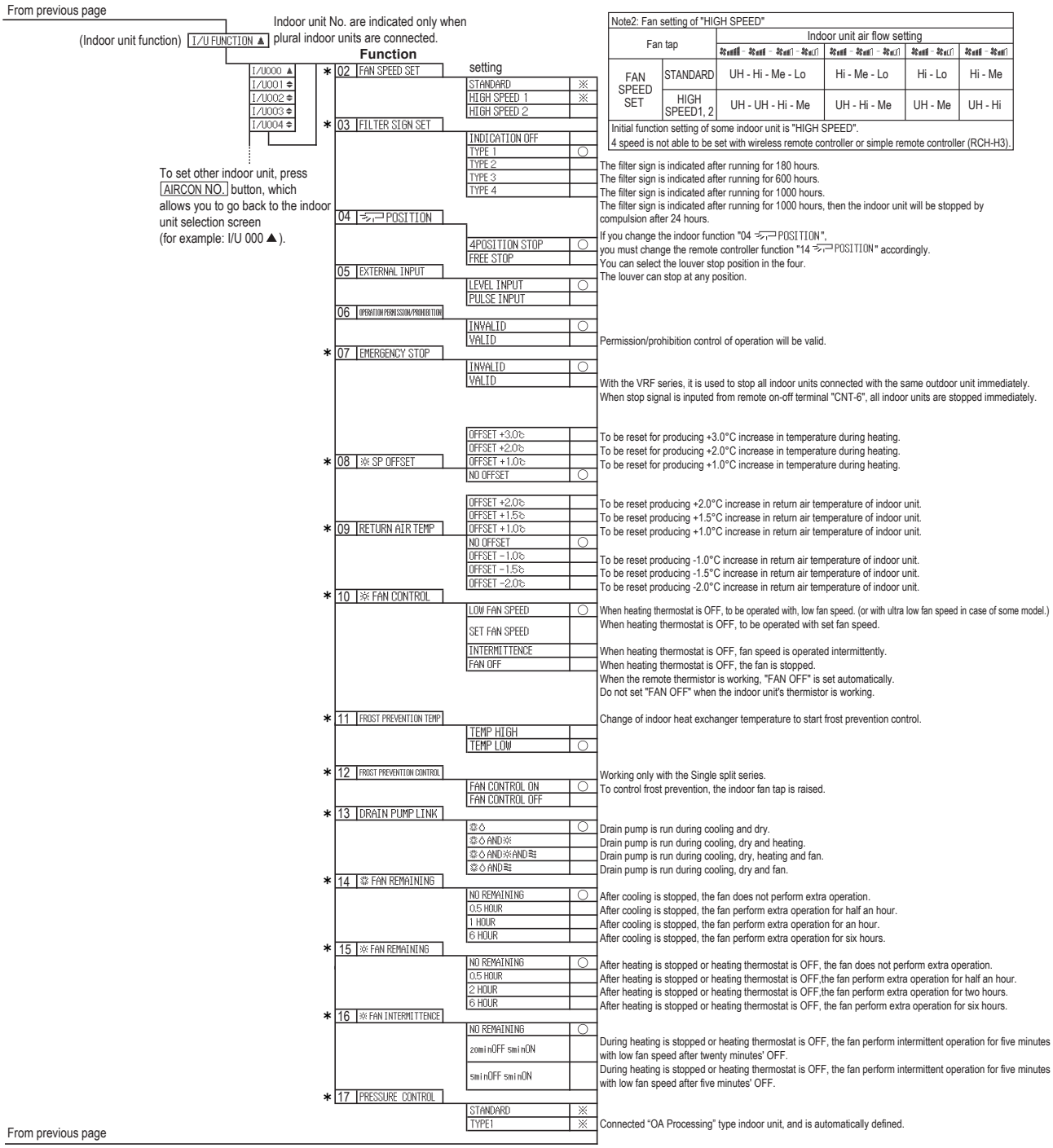
ON/OFF button (finished)

*

Note 1: The initial setting marked "※" is decided by connected indoor and outdoor unit, and is automatically defined as following table.

Function No.	Item	Default	Model
Remote controller function02	AUTO RUN SET	AUTO RUN ON	"Auto-RUN" mode selectable indoor unit.
		AUTO RUN OFF	Indoor unit without "Auto-RUN" mode
Remote controller function06	FAN SPEED SW	VALID	Indoor unit with two or three step of air flow setting
		INVALID	Indoor unit with only one of air flow setting
Remote controller function07	LOUVER SW	VALID	Indoor unit with automatically swing louver
		INVALID	Indoor unit without automatically swing louver
Remote controller function13	I/U FAN	HI-MID-LO	Indoor unit with three step of air flow setting
		HI-LO	Indoor unit with two step of air flow setting
		HI-MID	
		1 FAN SPEED	Indoor unit with only one of air flow setting
Remote controller function15	MODEL TYPE	HEAT PUMP	Heat pump unit
		COOLING ONLY	Exclusive cooling unit

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit.
But only master indoor unit is received the setting change of indoor unit function "05 EXTERNAL INPUT" and "06 PERMISSION / PROHIBISHION".



The filter sign is indicated after running for 180 hours.
The filter sign is indicated after running for 600 hours.
The filter sign is indicated after running for 1000 hours.
The filter sign is indicated after running for 1000 hours, then the indoor unit will be stopped by compulsion after 24 hours.

If you change the indoor function "04 ⇆ POSITION", you must change the remote controller function "14 ⇆ POSITION" accordingly.
You can select the louver stop position in the four.
The louver can stop at any position.

Permission/prohibition control of operation will be valid.

With the VRF series, it is used to stop all indoor units connected with the same outdoor unit immediately.
When stop signal is inputed from remote on-off terminal "CNT-6", all indoor units are stopped immediately.

To be reset for producing +3.0°C increase in temperature during heating.
To be reset for producing +2.0°C increase in temperature during heating.
To be reset for producing +1.0°C increase in temperature during heating.

To be reset producing +2.0°C increase in return air temperature of indoor unit.
To be reset producing +1.5°C increase in return air temperature of indoor unit.
To be reset producing +1.0°C increase in return air temperature of indoor unit.

To be reset producing -1.0°C increase in return air temperature of indoor unit.
To be reset producing -1.5°C increase in return air temperature of indoor unit.
To be reset producing -2.0°C increase in return air temperature of indoor unit.

When heating thermostat is OFF, to be operated with, low fan speed. (or with ultra low fan speed in case of some model.)
When heating thermostat is OFF, to be operated with set fan speed.

When heating thermostat is OFF, fan speed is operated intermittently.
When heating thermostat is OFF, the fan is stopped.
When the remote thermistor is working, "FAN OFF" is set automatically.
Do not set "FAN OFF" when the indoor unit's thermistor is working.

Change of indoor heat exchanger temperature to start frost prevention control.

Working only with the Single split series.
To control frost prevention, the indoor fan tap is raised.

Drain pump is run during cooling and dry.
Drain pump is run during cooling, dry and heating.
Drain pump is run during cooling, dry, heating and fan.
Drain pump is run during cooling, dry and fan.

After cooling is stopped, the fan does not perform extra operation.
After cooling is stopped, the fan perform extra operation for half an hour.
After cooling is stopped, the fan perform extra operation for an hour.
After cooling is stopped, the fan perform extra operation for six hours.

After heating is stopped or heating thermostat is OFF, the fan does not perform extra operation.
After heating is stopped or heating thermostat is OFF,the fan perform extra operation for half an hour.
After heating is stopped or heating thermostat is OFF,the fan perform extra operation for two hours.
After heating is stopped or heating thermostat is OFF, the fan perform extra operation for six hours.

During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minutes with low fan speed after twenty minutes' OFF.
During heating is stopped or heating thermostat is OFF, the fan perform intermittent operation for five minutes with low fan speed after five minutes' OFF.

Connected "OA Processing" type indoor unit, and is automatically defined.

Note2: Fan setting of "HIGH SPEED"

Fan tap		Indoor unit air flow setting			
		❄▮▮▮ - ❄▮▮ - ❄▮ - ❄▯	❄▮▮ - ❄▮ - ❄▯	❄▮▮ - ❄▯	❄▮▮ - ❄▮
FAN SPEED SET	STANDARD	UH - Hi - Me - Lo	Hi - Me - Lo	Hi - Lo	Hi - Me
	HIGH SPEED1, 2	UH - UH - Hi - Me	UH - Hi - Me	UH - Me	UH - Hi

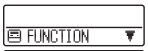
Initial function setting of some indoor unit is "HIGH SPEED".
4 speed is not able to be set with wireless remote controller or simple remote controller (RCH-H3).

*

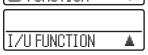
How to set function

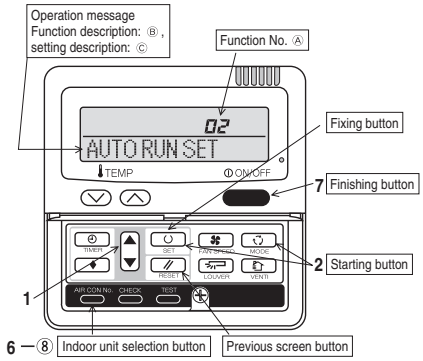
1. **Stop air-conditioner and press (SET) (MODE) buttons at the same time for over three seconds, and the "FUNCTION SET ▼" will be displayed.**

2. **Press (SET) button.**
3. **Make sure which do you want to set, "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).**
4. **Press ▲ or ▼ button.**
   Selecct "FUNCTION ▼" (remote controller function) or "I/U FUNCTION ▲" (indoor unit function).



5. **Press (SET) button.**

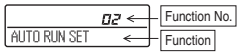




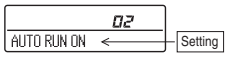
6. **【On the occasion of remote controller function selection】**

① "DATA LOADING" (Indication with blinking)
↓
Display is changed to "01 ESP SET".

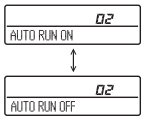
② Press ▲ or ▼ button.
"No. and function"are indicated by turns on the remote controller function table, then you can select from them.
(For example)



③ Press (SET) button.
The current setting of selected function is indicated.
(for example) "AUTO RUN ON" ← If "02 AUTO RUN SET" is selected



④ Press ▲ or ▼ button.
Select the setting.



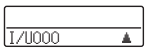
⑤ Press (SET)
"SET COMPLETE" will be indicated, and the setting will be completed.
Then after "No. and function" indication returns, Set as the same procedure if you want to set continuously ,and if to finish, go to 7.

7. **Press ON/OFF button.**
   Setting is finished.

【On the occasion of indoor unit function selection】

① "DATA LOADING" (Blinking for 2 to 23 seconds to read the data)
↓
Indication is changed to "02 FAN SPEED SET".
Go to ②.

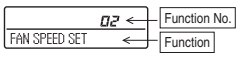
[Note]
(1) If plural indoor units are connected to a remote controller, the indication is "I/U 000" (blinking) ← The lowest number of the indoor unit connected is indicated.



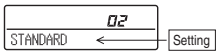
(2) Press ▲ or ▼ button.
Select the number of the indoor unit you are to set
If you select "ALL UNIT ▼", you can set the same setting with all unites.

(3) Press (SET) button.

② Press ▲ or ▼ button.
"No. and function" are indicated by turns on the indoor unit function table, then you can select from them.
(For example)



③ Press (SET) button.
The current setting of selected function is indicated.
(For example) "STANDARD" ← If "02 FAN SPEED SET" is selected.



④ Press ▲ or ▼ button.
Select the setting.

⑤ Press (SET) button.
"SET COMPLETE" will be indicated, and the setting will be completed.
Then after "No. and function" indication returns, set as the same procedure if you want to set continuously , and if to finish, go to 7.

※ When plural indoor units are connected to a remote controller, press the AIRCON NO. button, which allows you to go back to the indoor unit selection screen. (example "I/U 000 ▲")

- It is possible to finish by pressing ON/OFF button on the way, but unfinished change of setting is unavailable.
- During setting, if you press (RESET) button, you return to the previous screen.
- Setting is memorized in the controller and it is saved independently of power failure.

【How to check the current setting】
When you select from "No. and funcion" and press set button by the previous operation, the "Setting" displayed first is the current setting.
(But, if you select "ALL UNIT ▼", the setting of the lowest number indoor unit is displayed.)

7.2 Wireles kit

(1) FDTC Series (RCN-TC-24W-ER)

PJA012D758 A

Notes:
Following functions of FDTC Type -D indoor unit series are not able to be set with this wireless remote controller (RCN-TC-24W-ER).
1.Individual flap control system
2. 4-fan speed setting (PHi/Hi/Me/Lo) →3-fan speed setting (Hi/Me/Lo)

⚠ WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal. Loose connection or hold will cause abnormal heat generation or fire.
- Make sure the power supply is turned off when electric wiring work. Otherwise, electric shock, malfunction and improper running may occur.

⚠ CAUTION

- DO NOT install the wireless kit at the following places in order to avoid malfunction.
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
  (7) Places affected by the direct airflow of the AC unit.
  (8) Places where the receiver is influenced by the fluorescent lamp (especially inverter type) or sunlight.
  (9) Places where the receiver is affected by infrared rays of any other communication devices
  (10)Places where some object may obstruct the communication with the remote controller
- DO NOT leave the wireless kit without the cover. In case the cover needs to be detached, protect the receiver with a packaging box or bag in order to keep it away from water and dust.

Note

- Instruct the customer how to operate it correctly referring to the instruction manual.
- For the installation method of the air conditioner itself, refer to the installation manual enclosed in the package.

① Accessories

Please make sure that you have all of the following accessories.

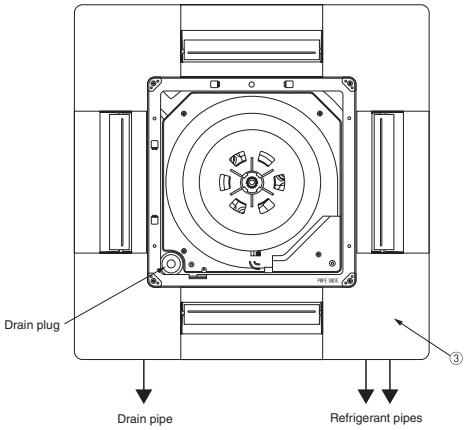
Receiver		1	Remote controller holder		1
Wireless remote controller		1	Wood screw for holder		2
Parts set		1	AAA dry cell battery (RO3)		2

② How to install the receiver

The receiver can be installed by replacing with a corner panel on the applicable decorative panel.

Preparation before installation

① Attach the decorative panel onto the air conditioner according to the installation manual for the panel.
② Remove the air return grille.
③ Remove a corner panel located on the refrigerant pipes side.
④ Remove two screws and detach the lid from the control box of the air conditioner.



Setting on site

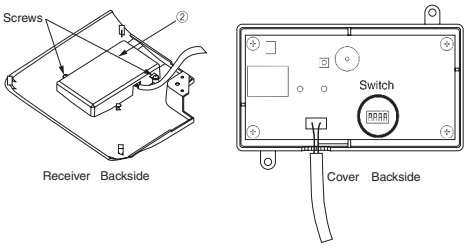
① PCB on the receiver has the following switches to set the functions. Default setting is shown with ☐ mark.

S W 1	Customized signal setting to avoid mixed communication	☐ ON : Normal OFF : Remote
S W 2	Receiver master/slave setting	☐ ON : Master OFF : Slave
S W 3	Buzzer valid/Invalid	☐ ON : Valid OFF : Invalid
S W 4	Auto restart	ON : Valid ☐ OFF : Invalid

<To change the settings>

② Remove the cover by unscrewing two screws from the back of receiver.
③ Change the setting by the switch on PCB.

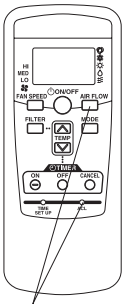
Default settings



④ When SW1 is turned to OFF position, change the corresponding remote controller setting as follows:

How to change the remote controller setting

Pressing ACL switch with AIR FLOW button kept pressing or inserting the batteries with pressing AIR FLOW button will customize the signal.



Radio interference prevention mode

Note

※ When the batteries are removed, the setting will return to the default setting.
Please make sure to reset it when the batteries are replaced.

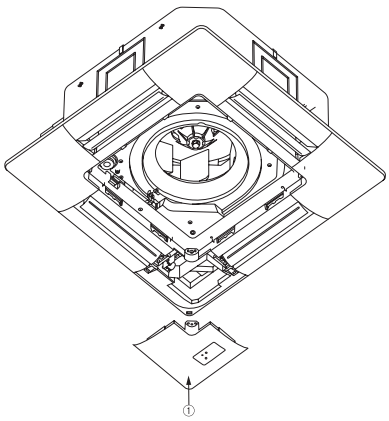
Caution

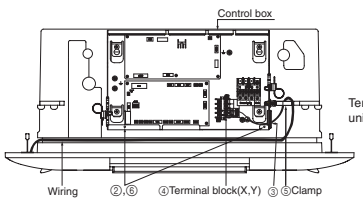
Instruct the customer to set the mentioned above when replacing the batteries.
(How to set is also mentioned in the user's manual attached on the air conditioner.)

Installation of the receiver

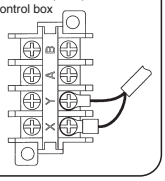
① Attach the receiver to the panel according to the panel installation manual.
② Remove two screws and detach the lid from the control box.
③ Put the wiring in the control box with other wiring as shown below.
④ Connect the wiring to the terminal block (X,Y) provided in the control box.(Non-polarized)
⑤ Fix the wiring with the clamp as shown below.
⑥ Reattach the control box lid with 2 screws removed.

※ Note: Make sure wires not to be pinched by any other parts like panel and control box.





Terminal block (X,Y) in the indoor unit control box

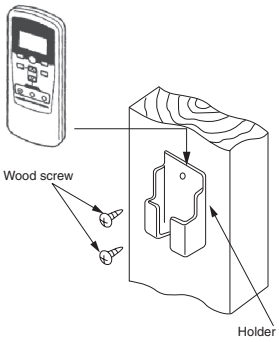


③ Remote controller

Installation of the controller holder

Caution

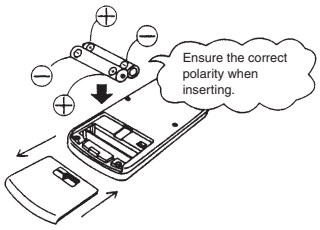
DO NOT install it on the following places
1. Places exposed to direct sunlight
2. Places near heat devices
3. High humidity places
4. Hot surface or cold surface enough to generate condensation
5. Places exposed to oil mist or steam directly.
6. Uneven surface



Installation tips for the remote controller holder
- Adjust and keep the holder upright
- Tighten the screw to the end to avoid scratching the remote controller.
- DO NOT attach the holder on plaster wall.

How to insert batteries

① Detach the back lid.
② Insert the batteries. (two AAA batteries)
③ Reattach the back lid.

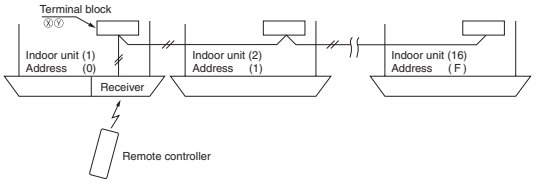


Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.
① Connect the XY terminal with 2-core wire. As for the size, refer to the following note.
② For Single packaged air conditioner series, set the indoor unit address with SW2 on the indoor unit PCB from [0] to [F] so as not to duplicate.

Restrictions on the thickness and length of wire
(Maximun total extension 600m.)

Standard	Within 100m x 0.3 mm²
	Within 200m x 0.5 mm²
	Within 300m x 0.75mm²
	Within 400m x 1.25mm²
	Within 600m x 2.0 mm²



③ For VRF series, set the indoor unit address with SW1, SW2 and SW5-2 on the indoor unit PCB from [000] to [127] so as not to duplicate.

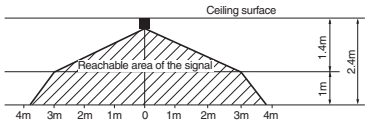
Master/Slave setting when using plural remote controllers

Up to two receivers can be installed in one indoor unit group.
When two receivers are used, it is necessary for a receiver to turn OFF SW2 on the receiver PCB to set it as slave.

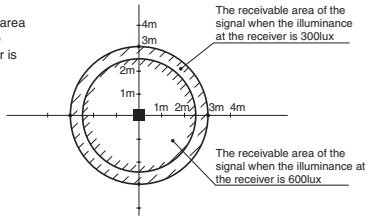
(For the method of switching, please see **Setting on site** in the section of **② How to install the receiver** in this manual.)

Wireless remote controller's operable area

① Standard reachable area of the signal
[condition] Illuminance at the receiver: 300lux
(when no lighting is installed within 1m of the receiver in an ordinary office.)



② Correlation between illuminance at the receiver and reachable area of the signal in a plain view.
The drawing in the right shows the correlation between the reachable area of the signal and illuminance at the receiver when the remote controller is operated at 1m high under the condition of ceiling height of 2.4m.



③ Installation tips when several receivers are installed close
Minimum distance between the indoor units which can avoid cross communication is 5m under the condition of 300lux of illuminance at the receiver.
(When no lighting is installed within 1m of the receiver in an ordinary office)

④ How to disable the Auto mode operation

VRF series (except heat recovery 3-pipe systems) cannot be operated in Auto mode.
Make sure to set the remote controller for the models so as not to be able to choose Auto mode.

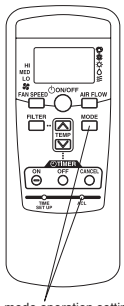
Pressing ACL switch with MODE button kept pressing or inserting the batteries with pressing MODE button will make auto mode operation.

Note

※ When the batteries are removed, the setting will return to the default setting (Auto mode is valid).

Caution

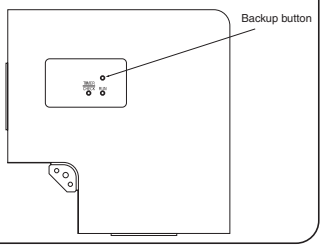
Instruct the customer to set the mentioned above when replacing the batteries. (How to set is also mentioned in the user's manual attached on the air conditioner.)



Auto mode operation setting

⑤ Backup button

A Backup button is provided on the receiver. Even when the operation from the wireless remote controller is not possible (due to flat batteries, controller lost, or controller failure), still it possible to operate as temporary means. Press the button directly when operating it.
(1) The air conditioner starts the operation with the condition of Auto mode, 23˚C of set point, High fan speed and horizontal louver position.
(2) The air conditioner stops the operation when the button is pressed when in operation.



⑥ Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with wireless remote controller, while the backup button on the receiver is pressed.
- If the backup button on the receiver is pressed during a test run, it will end the test run.
- If you cannot operate the unit properly during a test run, please check by consulting with inspection guides on the wiring diagram of outdoor units.

⑦ How to read the two-digit display

On the receiver of a wireless kit, a two-digit (7-segment) display is provided.
(1) An indication will be displayed for one hour after power on.
(2) An indication will be displayed for 3.5 seconds after transmitting a "STOP" command from the wireless remote controller or the operation of the backup button to stop the unit.
(3) An indication appearing in (1) or (2) above will go off as soon as the unit starts operation.
(4) When there are no error records to indicate, addresses of all the connected units are displayed.
(5) When there are some error records remaining, the error records are displayed.
(6) Error records can be cleared by transmitting a "STOP" command from the wireless remote controller, while the backup button is pressed.

(2) FDEN Series (RCN-E1R)

PFA012D620 a

Notes:
Following functions of FDEN Type -D indoor unit series are not able to be set with this wireless remote controller (RCN-E1R).
1. Flap control system
2. 4-fan speed setting (PHi/Hi/Me/Lo) → 3-fan speed setting (Hi/Me/Lo)

⚠ WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal. Loose connection or hold will cause abnormal heat generation or fire.
- Make sure the power supply is turned off when electric wiring work. Otherwise, electric shock, malfunction and improper running may occur.

⚠ CAUTION

- Install a receiver unit where it is not exposed to direct sunrays or intense light from lighting fixtures.

① Accessories

Please make sure that you have all of the following accessories.

Remoto controller holder	AAA dry cell battery (RO3)	Wood screw for holder	Wireless remote controller
			
1	2	2	1

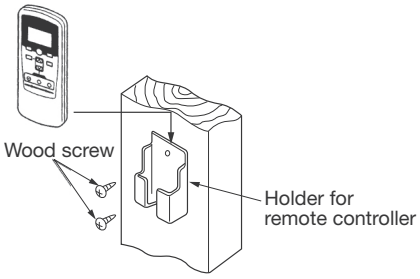
② Installation of the controller holder

⚠CAUTION DO NOT install it on the following places.

1. Places exposed to direct sunlight
2. Hot surface or cold surface enough to generate condensation
3. Places near heat devices
4. Places exposed to oil mist or steam directly.
5. High humidity places
6. Uneven surface

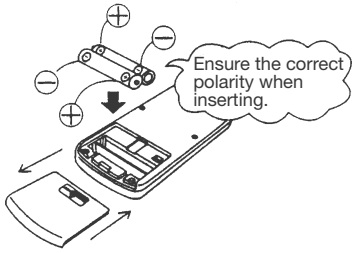
Installation tips for the remote controller holder

- Adjust and keep the holder up right.
- Tighten the screw to the end to avoid scratching the remote controller.
- DO NOT attach the holder on plaster wall.



How to insert batteries

① Detach the back lid.
② Insert the batteries. (two AAA batteries)
③ Reattach the back lid.



③ FDEN

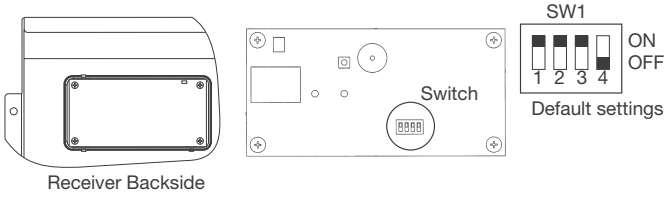
Setting on site

PCB on the receiver has the following switches to set the function.
Default setting is shown with ☐ mark.

SW1	Prevents interference during plural setting	ON : Normal (1ch) OFF : Customized (2ch)
SW2	Receiver master/slave setting	ON : Master OFF : Slave
SW3	Buzzer valid/Invalid	ON : Valid OFF : Invalid
SW4	Auto restart	ON : Valid OFF : Invalid

To change setting

1. Remove the front panel.
2. Remove four screws located on the back of the receiver and detach the board.
3. Change the setting by the switch on PCB.



4. When switch 1 is turned to off position, change the wireless remote controller setting. (For the method of changing the setting, refer to Setting to avoid mixed communication on page 4)
Refer to Wireless remote controller unit operation distance of ⑥ FDEN in case of plural setting.

Master/Slave setting when using plural remote controllers

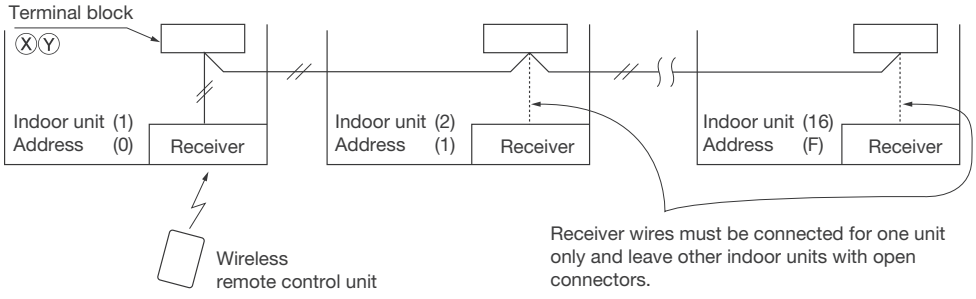
Up to two receiver or wired remote controller can be installed in one indoor unit group.
When two receivers or wired remote controller are used, it is necessary to change SW on the PCB to set it as slave.

Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.
① Connect indoor units with each other with 2-core wires. As for size, refer to the following note.
② The receiver wires must be connected only with the indoor unit that will be operated by the remote controller directly.
③ Set the indoor unit address with SW2 on the indoor unit PCB from [0] to [F] so as not to duplicate.

Restrictions on the thickness and length of wire
(Maximun total extension 600m.)

Standard	Within 100m x 0.3 mm²
	Within 200m x 0.5 mm²
	Within 300m x 0.75 mm²
	Within 400m x 1.25 mm²
	Within 600m x 2.0 mm²



※ATTENTION

In a system configured as shown above, up to two receivers are usable. If two receivers are used, it is necessary to designate one of them as a slave by setting SW2. (For the method of changing the setting, refer to Setting on site .) Since other receivers are not usable, do not couple the connectors for them. (Unless the connector is coupled for a receiver, the LED will not be able to make any indication)

③ FDEN (continued)

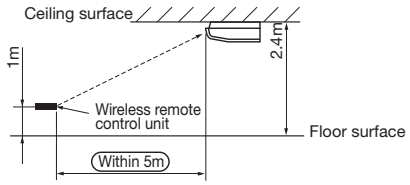
Wireless remote controller unit operation distance

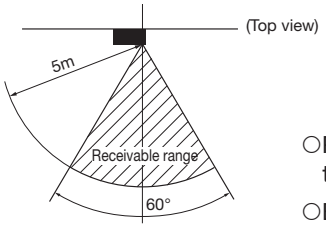
① Standard signal receiving range

[Condition]

Illuminance at the receiver area: 360 lux.

(When no lighting fixture is located within 1m of indoor unit in an ordinary office)





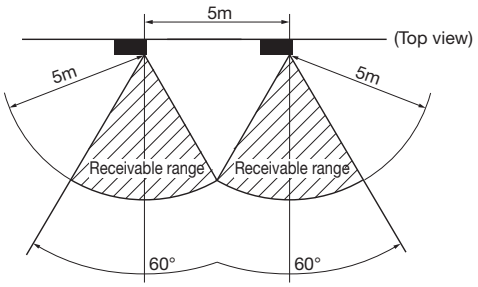
② Points for attention in connecting a plural number of indoor units

[Condition]

Illuminance at the receiver area: 360 lux.

(When no lighting fixture is located within 1m of indoor unit in an ordinary office)

When the remote control unit is used with the aforementioned interference-prevention setting, a minimum distance guaranteeing the prevention of unintended unit responses is 5m.



○Please operate remote control unit switches with the unit faced correctly toward the indoor unit's receiver section.

○Effective operation distance can vary with the luminance around the receiver and the reflection from walls of the room.

○When the receiver is exposed to intensive light such as from the direct sun or a strong light, it may become operable only from a short distance or unable to receive signals at all.

Backup button

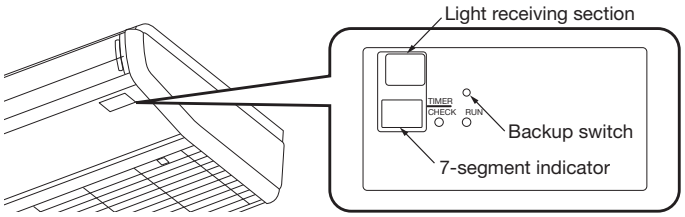
A backup switch is provided on the receiver section of the panel surface.

When operation from the wireless remote control unit is not possible (due to flat batteries, a mislaid unit, a unit failure), you can use it as an emergency means. You should operate this switch manually.

(1) If pressed while the air conditioner is in a halt, it will cause the air conditioner to start operation in the automatic mode.

Wind speed: Hi fan, Temperature setting: 23°C, Louver: horizontal

(2) If pressed while the air conditioner is in operation, it will stop the air conditioner.



Cooling test run operation

- After safety confirmation, turn on the power.
- Transmit a cooling operation command with the wireless remote control unit, while the backup switch on the receiver is depressed.
- If the backup switch on the receiver is pressed during a test run, it will end the test run.

※If you cannot operate the unit properly during a test run, please check wiring by consulting with inspection guides.

③ FDEN (continued)

How to read the two-digit display

A two-digit indicator (7-segment indicator) is provided on the receiver section.

(1) An indication will be displayed for one hour after power on.
(2) An indication appears for 3.5 seconds when a “Stop” command is sent from the wireless remote control unit while the air conditioner is not running.
(3) An indication appearing in (1) or (2) above will go off as soon as the unit starts operation.
(4) When there are no error records to indicate, addresses are displayed for all of the connected units.
(5) When there are some error records remaining, the error records are displayed.
(6) Error records can be cleared by transmitting a “Stop” command from the wireless remote control unit, while the backup switch is depressed.

④ Remote controller

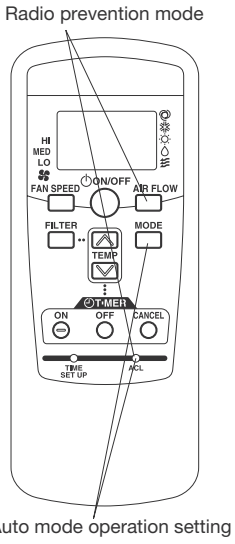
Setting to avoid mixed communication

Pressing [ACL] and [AIR FLOW] button at the same time or inserting the batteries with pressing [AIR FLOW] button will customize the signal.

Setting to disable the Auto mode operation

VRF system (except heat recovery 3-pipe system) cannot be operated in Auto mode.
Make sure to set the remote controller for the models so as not to be able to choose Auto mode.

Pushing [ACL] and [MODE] button at the same time or inserting the batteries with pressing [MODE] button will make auto mode operation.



※**ATTENTION**

When the batteries are removed, the setting will return to the default setting.
Please make sure to reset it when the batteries are replaced.

⚠**Caution**

Instruct the customer to set the mentioned above when replacing the batteries.
(How to set is also mentioned in the user’s manual attached on the air conditioner.)

(3) FDUM Series (RCN-KIT3-E)

Notes:
Following functions of FDUM Type -D indoor unit series are not able to be set with this wireless remote controller (RCN-KIT3-E).
1. 4-fan speed setting (PHi/Hi/Me/Lo) →3-fan speed setting (Hi/Me/Lo)

Read this manual together with the installation manual attached to the air conditioner.

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⚠ WARNING

- Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal. Loose connection or hold will cause abnormal heat generation or fire.
- Make sure the power supply is turned off when electric wiring work. Otherwise, electric shock, malfunction and improper running may occur.

⚠ CAUTION

- DO NOT install the wireless kit at the following places in order to avoid malfunction.
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
  (7) Places affected by the direct airflow of the AC unit.
  (8) Places where the receiver is influenced by the fluorescent lamp (especially in verter type) or sunlight.
  (9) Places where the receiver is affected by infrared rays of any other communication devices.
  (10) Places where some object may obstruct the communication with the remote controller
- DO NOT leave the wireless kit without the cover. In case the cover needs to be detached, protect the receiver with a packaging box or bag in order to keep it away from water and dust.

Attention

- Instruct the customer how to operate it correctly referring to the instruction manual.
- User's manual of a wireless remote controller is attached to a indoor unit or a outside unit.
- Read this together with a manual attached to this kit.

① Accessories

Please make sure that you have all of the following accessories.

① Receiver	1
② Wiring (3m)	1
③ Parts set (A)	1
④ Parts set (B)	1
⑤ Parts set (C)	1
⑥ Wireless remote controller	1
⑦ User's manual	1

① Remote controller holder	1
② Screw for holder	2
③ AAA dry cell battery (R03)	2

① Screw for receiver	2
② Fixing band	1
③ Clamp	5
④ Screw for clamp	5

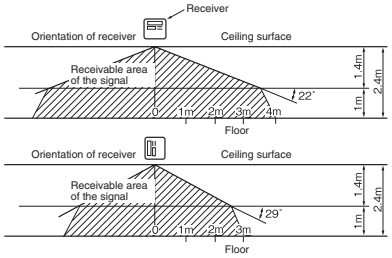
① Receiver installation bracket	1
② Screw for the bracket	2
③ Installation fitting	2

② Wireless remote controller's operable area

(1) When installed on ceiling

① Standard reachable area of the signal

condition Illuminance at the receiver : **300lux** (when no lighting is installed within 1m of the receiver in an ordinary of ce.)

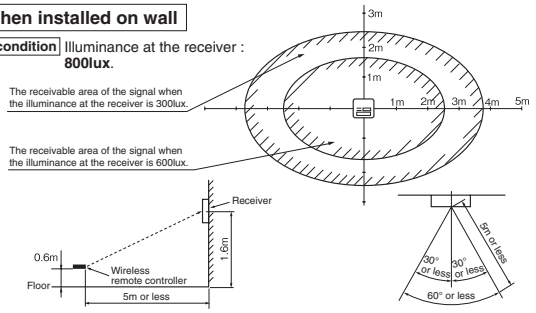


② Correlation between illuminance at the receiver and reachable area of the signal in a plain view.

condition Correlation between the reachable area of the signal and illuminance at the receiver when the remote controller is operated at 1.1m high under the condition of ceiling height of 2.5m.
When the illuminance becomes double, the area is narrowed down to two third.

(2) When installed on wall

condition Illuminance at the receiver : **800lux**.



③ How to install the receiver

The following two methods can be used to install the receiver onto a ceiling or a wall. Select a method according to the installation position.

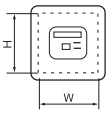
<Installation position>

(A) Direct installation onto the ceiling with wood screws.
(B) Installation with accessory's bracket

(1) Drilling of the ceiling (ceiling opening)

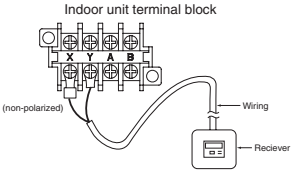
Drill the receiver installation holes with the following dimensions at the ceiling position where wires can be connected.

(A) Direct installation onto the ceiling with wood screws.	88mm(H)×101mm(W)
(B) Installation with enclosed bracket.	108mm(H)×108mm(W)



(2) Wiring connection of receiver

Caution
Do not connect the wiring to the power source of the terminal block. If it is connected, printed board will be damaged.

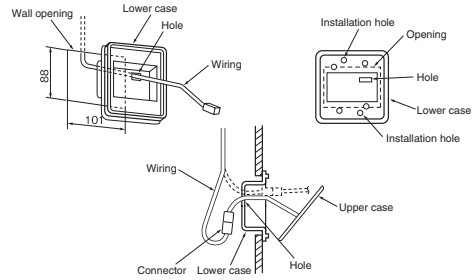


(3) Installation of the receiver

Remove the screw on the side of the receiver and sprit it into the upper case and lower case.Install the receiver with one of the two installation methods (A) or (B) shown below.

(A) Direct installation onto the ceiling with screws

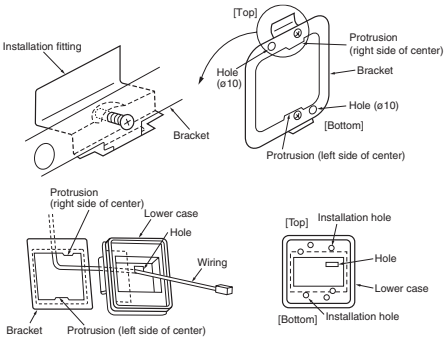
Use this installation method when the ceiling is wooden, and there is no problem for strength in installing directly with wood screws.



①Put through the wiring from the back side to the hole of the lower case.
②Fit the lower case into the ceiling opening. Make sure that the clearance between the convex part of the back of the lower case and the ceiling opening must be as equal as possible on both sides.
③Using the two installation holes shown above, fix the lower case onto the ceiling with the enclosed wood screws. (The other four holes are not used.)
④Connect the wiring with the wiring from the upper case by the connector.
⑤Take out the connector to the backside from the hole of the lower case putting through the wiring at ①.
⑥Fit the upper case and the lower case, and tighten the screws.

(B) Installation with enclosed bracket

Use this method when installaing onto a gypsum board (7 to 18mm), etc.



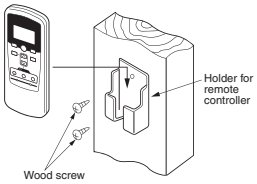
①Catch the two protrusion of the enclosed bracket onto the tting as shown above, and temporarily fix with the screws. (The bracket has an up/down and front/back orientation. Con rm the top/bottom protrusion positions and the positional relation of the ø 10 holes on the bracket and the installation hole on the lower case with the above drawing.)
②Insert the end of the installation tting into the back of the ceiling from the opening, and tighten the screws to fix the bracket onto the ceiling.
③Pass the wiring from the rear side through the hole on the lower case.
④Fit the lower case onto the bracket, and fix the lower case to the bracket using the two installation holes shown above. (The other four holes are not used.)
⑤Follow step ① to ⑥ for (A) to complete the installation.

④ Remotecontroller

Installation of the controller holder

Caution

DO NOT install it on the following places
1) Places exposed to direct sunlight
2) Places near heat devices
3) High humidity places
4) Hot surface or cold surface enough to generate condensation
5) Places exposed to oil mist or steam directly
6) Uneven surface



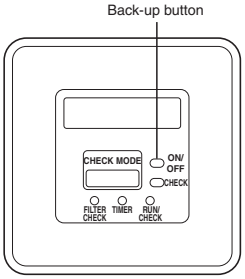
Installation tips for the remote controller holder
- Adjust and keep the holder upright.
- Tighten the screw to the end to avoid scratching the remote controller.
- DO NOT attach the holder to plaster wall.

How to insert batteries

① Detach the back lid.
② Insert the batteries. (two AAA batteries)
③ Reattach the back lid.

⑤ Cooling test run operation

- After safety con rmation, turn on the power.
- Transmit a cooling operation command with wireless remote controller, while the backup button on the receiver is pressed.
- If the backup button on the receiver is pressed during a test run, it will end the test run.
- If you cannot operate the unit properly during a test run, please check by consulting with inspection guides on the wiring diagram of outdoor units.



⑥ Setting of wireless remote controller and receiver

(A) Methods of avoiding the malfunction due to the mixed communication

Do both procedures ① and ②.

This setting is to avoid the mixed communication with other household electric appliances or the mixed communication when two receivers are located closely.

①**Setting change of the wireless remote controller**

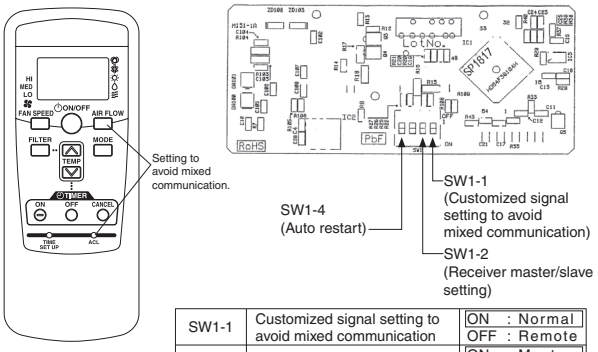
Pressing ACL and AIRFLOW button at the same time or inserting the batteries with pressing AIRFLOW button will customize the signal.

Note ***When the batteries are removed, the setting will return to the default setting. Make sure to reset it when the batteries are replaced.**

②**Setting the PCB of the receiver**

Turn SW1-1 off.

† ●**Wireless remote controller** † ●**PCB of the receiver**



SW1-1	Customized signal setting to avoid mixed communication	ON : Normal OFF : Remote
SW1-2	Receiver master/slave setting	ON : Master OFF : Slave
SW1-4	Auto restart	ON : Valid OFF : Invalid

: Default setting

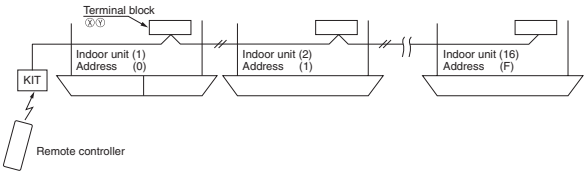
(B) Control plural indoor units with one remote controller

Up to 16 indoor units can be connected.

①Connect the XY terminal with 2-core wire. As for the size, refer to the following note.

②For Packaged air conditioner series, set the indoor unit address with SW2 on the indoor unit PCB from [0] to [F] so as not to duplicate.

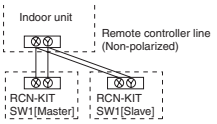
Restrictions on the thickness and length of wire (Maximun total extension 600m.)	
Standard	Within 100m x 0.3 mm²
	Within 200m x 0.5 mm²
	Within 300m x 0.75mm²
	Within 400m x 1.25mm²
	Within 600m x 2.0 mm²



③For VRF series, set the indoor unit address with SW1, SW2 and SW5-2 on the indoor unit PCB from [000] to [127] so as not to duplicate.

(C) Master/Slave setting when using plural remote controller

Up to two receivers can be installed in one indoor unit group.



Switch	Setting	Function
SW1-2	ON	Master
	OFF	Slave

(D) Change setting of auto mode operation

Auto mode operation is prohibited to be selected for KX models (except for KXR models).
Therefore be sure to change setting of remote controller to disable the auto mode operation for these models according to the following procedure.
While pressing the MODE button, press the ACL switch, or while pressing the MODE button, insert the batteries to the remote controller. Then the auto mode can be invalid.
Attention
When the batteries are removed, it is returned to initial setting (Auto mode becomes valid).
Accordingly when replacing the batteries, be sure to perform the above operation once again.

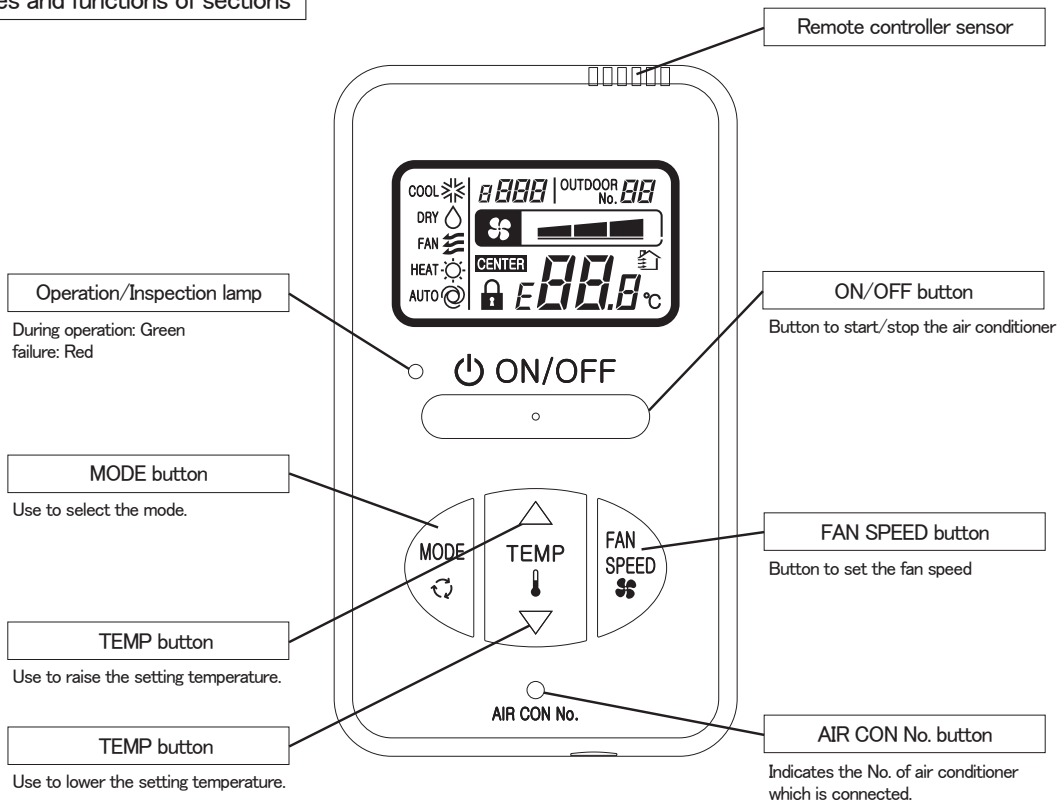
(E) Change setting of fan speed

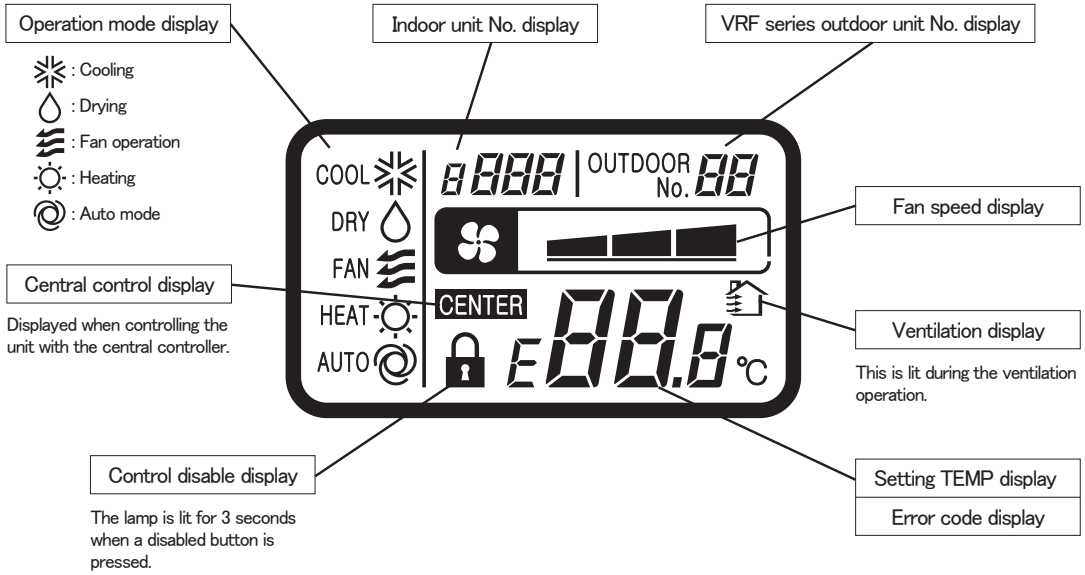
While pressing the FAN SPEED button, press the ACL switch, or while pressing the FAN SPEED button, insert the batteries to the remote controller. Then the fan speed can be changed from 2-speed setting to 3-speed setting.
When changing fan speed setting of remote controller, be sure to perform the same fan speed setting as that of the indoor unit model to be used.
Attention
When the batteries are removed, it is returned to initial setting (Fan speed setting is 2-speed).
Accordingly when replacing the batteries, be sure to perform the above operation once again.

7.3 Simple wired remote controller (RCH-E3)

Notes:
Following functions of Type -D indoor unit series are not able to be set with this simple wired remote controller (RCH-E3).
1. Individual flap control system (for FDT/FDTC)
2. Flap control system (for FDEN)
3. 4-fan speed setting (PHi/Hi/Me/Lo) →3-fan speed setting (Hi/Me/Lo) (for FDT/FDTC/FDUM/FDEN)

Names and functions of sections





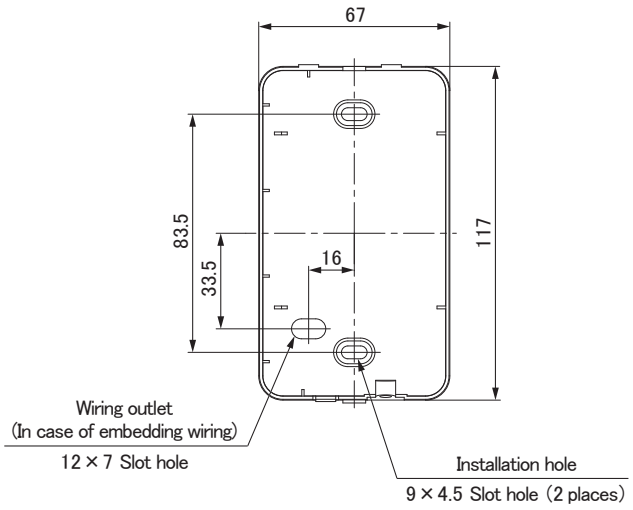
Installation of remote controller

DO NOT install the remote controller at the following places in order to avoid malfunction.

(1) Places exposed to direct sunlight
(2) Places near heat devices
(3) High humidity places
(4) Hot surface or cold surface enough to generate condensation
(5) Places exposed to oil mist or steam directly
(6) Uneven surface

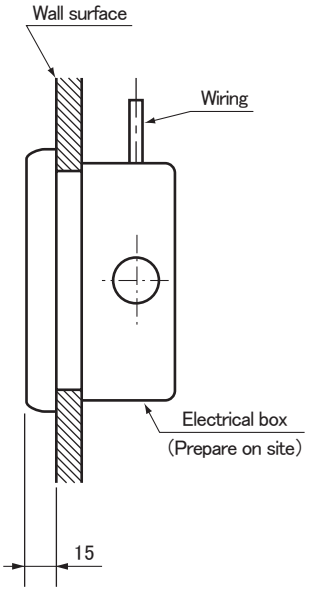
PJZ000Z272 A

Remote control installation dimensions

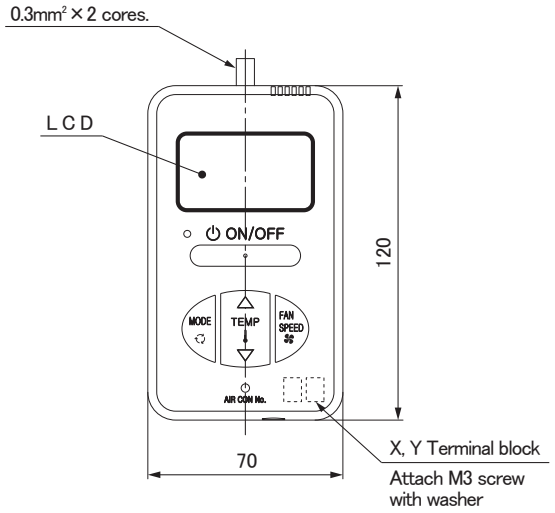


Note: Installation screw for remote controller
M4 Screw (2 pieces)

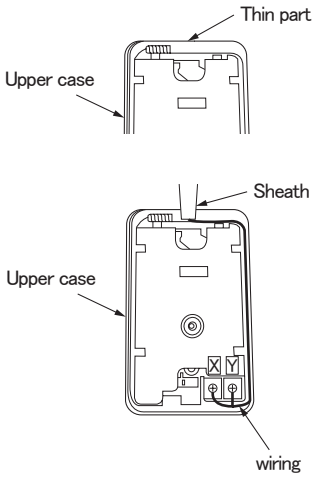
In case of embedding wiring



In case of exposing wiring

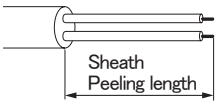


The remote controller wiring can be extracted from the upper center. After the thin part in the upper side of the remote controller upper case is scraped with a nipper or knife, remove burr with a file.



The peeling length of each wiring is as follows:

X wiring : 160mm Y wiring : 150mm



Wiring specifications

(1) Wiring of remote controller should use 0.3mm² × 2 core wires or cables. (on-site configuration)
(2) Maximum prolongation of remote controller wiring is 600m.
If the prolongation is over 100m, change to the size below.
But, the wiring in the remote controller case should be 0.3mm² (recommended) to 0.5mm².
Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire
connecting section. Be careful about contact failure.

Unit:mm

Length	Wiring thickness
100 to 200m	0.5mm² × 2 cores
Under 300m	0.75mm² × 2 cores
Under 400m	1.25mm² × 2 cores
Under 600m	2.0mm² × 2 cores

Adapted to **RoHS** directive

Simple Remote Controller Installation Manual

PJZ012D069

Read together with indoor unit's installation manual.

⚠WARNING

- **Fasten the wiring to the terminal securely and hold the cable securely so as not to apply unexpected stress on the terminal.**
  Loose connection or hold will cause abnormal heat generation or fire.
- **Make sure the power supply is turned off when electric wiring work.**
  Otherwise, electric shock, malfunction and improper running may occur.

⚠ CAUTION

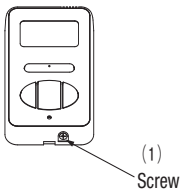
- **DO NOT install the remote controller at the following places in order to avoid malfunction.**
  (1) Places exposed to direct sunlight
  (2) Places near heat devices
  (3) High humidity places
  (4) Hot surface or cold surface enough to generate condensation
  (5) Places exposed to oil mist or steam directly
  (6) Uneven surface
- **DO NOT leave the remote controller without the upper case.**
  In case the upper cace needs to be detached, protect the remote controller with a packaging box or bag in order to keep it away from water and dust.

Accessories	Remote controller, wood screw (ϕ 3.5×16) 2 pieces
Prepare on site	Remote controller cord (2 cores) (Refer to [2. Installation and wiring of remote controller]) [In case of embedding cord] Electrical box, M4 screw (2 pieces) [In case of exposing cord] Cord clamp (if needed)

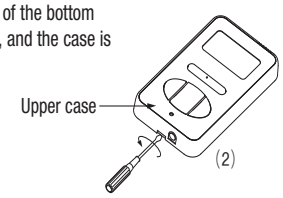
1. Installation procedure

In case of embedding cord

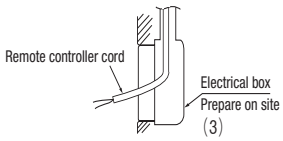
(1) Make certain to remove the screw on the bottom surface of the remote controller.



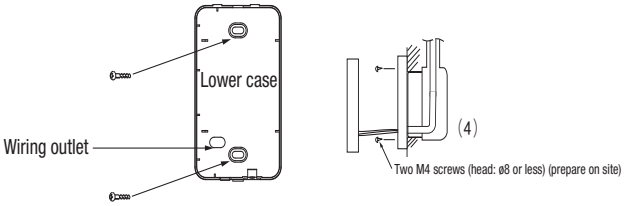
(2) Remove the upper case of the remote controller.
Insert a flat-blade screwdriver to a concave portion of the bottom surface of the remote controller and slightly twist it, and the case is removed.



(3) Pre-bury the electrical box and remote controller cord.



(4) Prepare two M4 screws (recommended length: 12 – 16mm), and install the lower case to the electrical box.
Do not use a screw whose screw head is larger than the height of the wall around the screw hole.

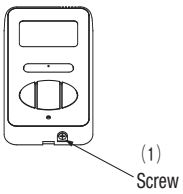


(5) Connect the remote controller cord to the terminal block.
Connect the terminals (X and Y) of the remote controller and the terminals (X and Y) of the indoor unit. (No polarity of X and Y)

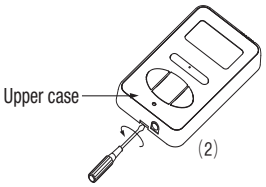
(6) Mount the upper case for restoring to its former state so as not to crimp the remote controller cord, and secure with the removed screw.

In case of exposing cord

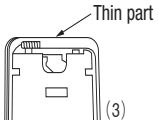
(1) Make certain to remove a screw on the bottom surface of the remote controller.



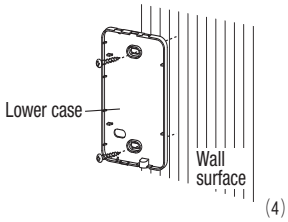
(2) Remove the upper case of the remote controller.
Insert a flat-blade screwdriver to a concave portion of the bottom surface of the remote control and slightly twist it, and the case is removed.



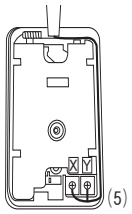
(3) The remote controller cord can be extracted from the upper center.
After the thin part in the upper side of the remote controller upper case is scraped with a nipper or knife, remove burr with a file.



(4) The lower case of the remote controller is mounted to a flat wall with two accessory wood screws.

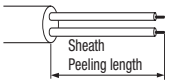


(5) Connect the remote controller cord to the terminal block.
Connect the terminals (X and Y) of the remote controller and the terminals (X and Y) of the indoor unit. (No polarity of X and Y)
The wiring route is as shown in the right.



The wiring in the remote controller case should be 0.3 mm^2 (recommended) to 0.5 mm^2 at maximum.
Further, peel off the sheath.
The peeling length of each wiring is as follows:

X wiring : 160mm Y wiring : 150mm



(6) Mount the upper case for restoring to its former state so as not to crimp the remote controller cord, and secure with the removed screw.

(7) In the case of exposing installation, secure the remote controller cord to the wall surface with a cord clamp so as not to loosen the remote controller cord.

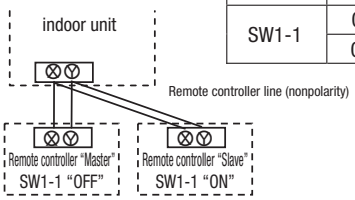
2. Installation and wiring of remote controller

(1) Wiring of remote controller should use 0.3mm^2 × 2 core wires or cables. (on-site configuration)
(2) Maximum prolongation of remote controller wiring is 600 m.
If the prolongation is over 100m, change to the size below.
But, the wiring in the remote controller case should be 0.3mm^2 (recommended) to 0.5mm^2.
Change the wire size outside of the case according to wire connecting. Waterproof treatment is necessary at the wire
connecting section. Be careful about contact failure.
100 - 200m·····0.5mm^2 × 2 cores
Under 300m·····0.75mm^2 × 2 cores
Under 400m·····1.25mm^2 × 2 cores
Under 600m·····2.0mm^2 × 2 cores

3. Master/ slave setting when more than one remote controller are used

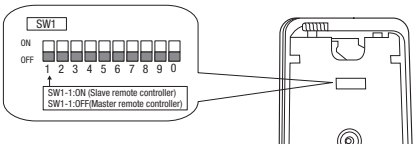
(1) Up to two remote controllers can be connected to one unit (or one group) of indoor unit.

Switch	Setting	Function detail
SW1-1	ON	Slave remote controller
	OFF	Master remote controller



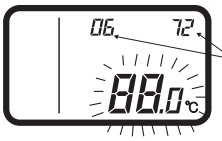
(2) Set the switch SW1-1 of the slave remote controller is "Slave" (ON). The factory default is set as "Master" (OFF).

(Note) • The remote controller thermistor enabled setting can be set only to the master remote controller.
• Install the master remote controller at the position to detect room temperature.
• The air conditioner operation follows the last operation of the remote controller in case of the master / slave setting.



4. The indication when power source is supplied

(1) At the time of turning the power source on, after the light is on for the first 2 seconds, the display becomes as shown below.
The number displayed on the upper side of LCD in the remote control is the software number, and this is not an error code.



Software number
(The number in the left is one example. Another number may be shown.)

(2) Then, "88.0 °C" blinks on the remote controller until the communication between the remote controller and the indoor unit is established.

(3) In the case of connecting one remote controller with one unit (or one group) of indoor unit, make certain to set the master remote controller (factory default).
If the slave remote control is set, a communication cannot be established.

(4) If a state where the communication between the remote controller and the indoor unit cannot be established continues about for 30 minutes, "E" is displayed. Confirm the wiring of the indoor unit and the outdoor unit and master/slave setting of the remote controller.

5. Confirmation method for return air temperature

Return air temperature can be confirmed by the remote controller operation.

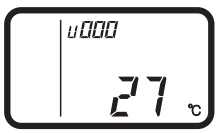
(1) **Press AIR CON NO. button for over 5 seconds.**
"88" blinks on the temperature setting indicator.
("88" blinks for approximately 2 seconds while data is read.)
↓
Then, the return air temperature is displayed.
(Example) return air temperature: "27 °C" (blinking)

(Note) For the return air temperature, in the normal case, the return air temperature of the indoor unit is displayed; however, in the case that the remote control thermistor is effective, detected temperature by the remote controller thermistor is displayed.

(2) **Press ⏻ ON/OFF button.**
End.

[In the case that the remote thermistor is ineffective and plural indoor units are connected to one remote controller]

(1) **Press AIR CON NO. button for over 5 seconds.**
indoor unit No. indicator: "U 000" (blinking)
(Among the connected indoor units, the lowest number is displayed.)



(2) **Press TEMP△ or TEMP▽ button.**
Select the indoor unit No.

(3) **Press MODE button.**
Dectder the indoor unit No.
(Example) indoor unit No. indicator: "U 000"
"88" blinks on the temperature setting indicator. (blinking for approximately 2 to 10 seconds while data is read) Then, the return air temperature is displayed. When AIR CON NO. is pressed, return to the indoor unit selection display (example, "U 000").

(4) **Press ⏻ ON/OFF button.**
End.

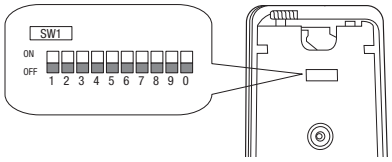
6. Function setting

Each function of the remote controller and the indoor unit is automatically set to the initial setting, which is the standard use, on the occasion of connecting the remote controller with the indoor unit. In the case of the standard use, the setting change is unnecessary. However, if you whould like to change the initial setting " ○ ", change the setting for only the item of the function number. **Record the setting contents and stored them.**

(1) Function setting item by switch on PCB

Switch No.	Setting	Setting detail	Initial setting
SW1-1	ON	Slave remote controller	
	OFF	Master remote controller	○
SW1-2	ON	Remote controller thermistor enabled	
	OFF	Remote controller thermistor disabled	○
SW1-3	ON	"MODE" button prohibited	
	OFF	"MODE" button enabled	○
SW1-4	ON	"ON/OFF" button prohibited	
	OFF	"ON/OFF" button enabled	○

Switch No.	Setting	Setting detail	Initial setting
SW1-5	ON	"TEMP" button prohibited	
	OFF	"TEMP" button enabled	○
SW1-6	ON	"FAN SPEED" button prohibited	※ Note 1
	OFF	"FAN SPEED" button enabled	※ Note 1
SW1-7	ON	Auto restart function enabled	
	OFF	Auto restart function disabled	○
SW1-8, 9, 0	ON	Not used	
	OFF		



- As for the slave remote controller, function setting is impossible other than SW1-1.
- In the indoor unit with only one fan speed, "FAN SPEED" button cannot be enabled.

(2) Function setting item by button operation

Classification	Function No.	Function	Setting No.	Setting	Initial setting	Remarks
Remote controller function	01	Indoor unit fan speed	01	Fan speed: three steps	※ Note 1	The fan speed is three steps, ❋ ■■■ - ❋ ■■ - ❋ ■ .
			02	Fan speed: two steps (Hi-Lo)	※ Note 1	The fan speed is two steps, ❋ ■■■ - ❋ ■ .
			03	Fan speed: two steps (Hi-Me)		The fan speed is two steps, ❋ ■■■ - ❋ ■■ .
			04	Fan: one step	※ Note 1	The fan speed is fixed to one step.
	03	Remote controller thermistor at the time of cooling	01	Remote controller thermistor: no offset	○	
			02	Remote controller thermistor: +3.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at +3.0°C.
			03	Remote controller thermistor: +2.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at +2.0°C.
			04	Remote controller thermistor: +1.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at +1.0°C.
			05	Remote controller thermistor: -1.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at -1.0°C.
			06	Remote controller thermistor: -2.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offset temperature at -2.0°C.
			07	Remote controller thermistor: -3.0 °C		At the time of cooling, in the case of remote controller thermistor enabled, offsett temperature at -3.0°C.
	04	Remote controller thermistor at the time of heating	01	Remote controller thermistor: no offset	○	
			02	Remote controller thermistor: +3.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at +3.0°C.
			03	Remote controller thermistor: +2.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at +2.0°C.
			04	Remote controller thermistor: +1.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at +1.0°C.
			05	Remote controller thermistor: -1.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at -1.0°C.
			06	Remote controller thermistor: -2.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at -2.0°C.
			07	Remote controller thermistor: -3.0 °C		At the time of heating, in the case of remote controller thermistor enabled, offset temperature at -3.0°C.
	05	Ventilation setting	01	No ventilator connection	○	
			02	Ventilator links air-conditioner		In case of Single split series, by connecting ventilation device to CNT of the indoor printed circuit board (in case of VRF series, by connecting it to CND of the indoor printed circuit board), the operation of ventilation device is linked with the operation of indoor unit.
	06	"Auto" operation setting	01	"Auto" operation enabled	※ Note 1	
			02	"Auto" operation disabled	※ Note 1	"Auto" operation disabled
Indoor unit function	07	Operation permission/ prohibition	01	Disabled	○	
			02	Enabled		Operation permission/prohibition controller is enabled.
	08	External input	01	Level input	○	
			02	Pulse input		
	09	Fan speed setting	01	Standard	Note2	
			02	High speed 1	Note2	
			03	High speed 2	Note2	
	10	Fan remaining operation at the time of cooling	01	No remaining operation	○	After cooling stopped, no fan remaining operation
			02	0.5 hours		After cooling stopped, fan remaining operation for 0.5 hours
			03	1 hour		After cooling stopped, fan remaining operation for 1 hour
			04	6 hours		After cooling stopped, fan remaining operation for 6 hours
	11	Fan remaining operation at the time of heating	01	No remaining operation	○	After heating stopped or after heating thermostat OFF, no fan remaining operation
			02	0.5 hours		After heating stopped or after heating thermostat OFF, fan remaining operation for 0.5 hours
			03	2 hours		After heating stopped or after heating thermostat OFF, fan remaining operation for 2 hours
			04	6 hours		After heating stopped or after heating thermostat OFF, fan remaining operation for 6 hours
	12	Setting temperature offset at the time of heating	01	No offset	○	
			02	Setting temperature offset + 3.0 °C		The setting temperature at the time of heating is offset by +3.0 °C.
			03	Setting temperature offset + 2.0 °C		The setting temperature at the time of heating is offset by +2.0 °C.
			04	Setting temperature offset + 1.0 °C		The setting temperature at the time of heating is offset by +1.0 °C.
	13	Heating fan controller	01	Low fan speed	※ Note 1	At the time of heating thermostat OFF, operate with low fan speed.
			02	Setting fan speed		At the time of heating thermostat OFF, operate with the setting fan speed.
			03	Intermittent operation	※ Note 1	At the time of heatingr thermostat OFF, intermittently operate.
			04	Fan off		At the time of heating thermostat OFF, a fan will be stopped. When the remote controller thermistor is enabled, automatically set to "Fan off". Do not set at the time of the indoor unit thermistor.
	14	Return air temperature offset	01	No offset	○	
			02	Return air temperature offset +2.0 °C		Offset the return air temperature of the indoor unit by +2.0 °C.
			03	Return air temperature offset +1.5 °C		Offset the return air temperature of the indoor unit by +1.5 °C.
			04	Return air temperature offset +1.0 °C		Offset the return air temperature of the indoor unit by +1.0 °C.
			05	Return air temperature offset -1.0 °C		Offset the return air temperature of the indoor unit by -1.0 °C.
			06	Return air temperature offset -1.5 °C		Offset the return air temperature of the indoor unit by -1.5 °C.
			07	Return air temperature offset -2.0 °C		Offset the return air temperature of the indoor unit by -2.0 °C.

Note 1: The symbol " ※ " in the initial setting varies depending upon the indoor unit and the outdoor unit to be connected, and this is automatically determined as follows:

Swith No. Function No.	Function	Setting	Product model
SW1-6	"FAN SPEED" button	"FAN SPEED" button prohibited	Product model whose indoor fan speed is only one step
		"FAN SPEED" button enabled	Product model whose indoor fan speed is two steps or three steps
Remote controller function 01	Indoor unit fan speed	Fan speed: three steps	Product model whose indoor unit fan speed is three steps
		Fan speed: two steps (Hi-Lo)	Product model whose indoor unit fan speed is two steps
		Fan speed: two steps (Hi-Me)	
		Fan: one step	Product model whose indoor unit fan speed is only one step
Remote controller function 06	"Auto" operation setting	"Auto" operation enabled	Product model where "Auto" mode is selectable
		"Auto" operation disabled	Product model without "Auto" mode
Indoor unit function 13	Heating fan control	Low fan speed	Product model except FDUS
		Intermittent operation	FDUS

Note 2: Fan speed of "High speed" setting

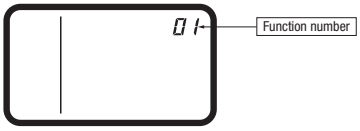
Fan speed setting	Indoor unit fan speed setting		
	❋ ■■■ - ❋ ■■ - ❋ ■	❋ ■■■ - ❋ ■	❋ ■■■ - ❋ ■■
Standard	Hi — Mid — Lo	Hi — Lo	Hi — Mid
High speed 1 • 2	UHi — Hi — Mid	UHi — Mid	UHi — Hi

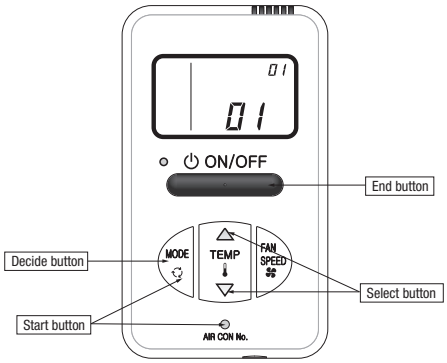
Initial setting of some indoor unit is "High speed".

Note 3: As for plural indoor unit, set indoor functions to each master and slave indoor unit.
But only master indoor unit is received the setting change of indoor unit function "07 Operation permission/ prohibition" and "08 External input".

7. How to set functions by button operation

(1) **Stop air-conditioning, and simultaneously press AIR CON NO. and MODE buttons at the same time for over three seconds.**
The function number "01" blinks in the upper right.

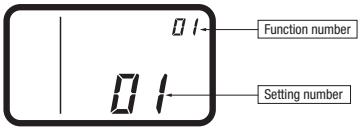




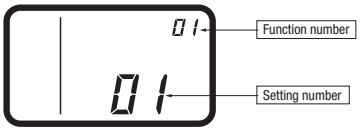
(2) **Press TEMP△ or TEMP▽ button.**
Select the function number.

(3) **Press MODE button.**
Decide the function number.

(4) **[In the case of selecting the remote controller function (01-06)]**
① The current setting number of the selected function number blinks
(Example)
Function number: "01" (lighting)
Setting number: "01" (blinking)



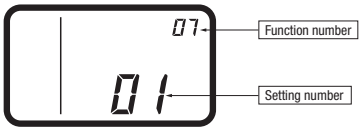
② **Press TEMP△ or TEMP▽ button.**
Select the setting number.
③ **Press MODE button.**
The setting is completed.
Light is on for approximately 3 to 20 seconds while data of the decided function No. and setting No. is transmitted.
(Example)
Function number: "01" (lighting for 3 to 20 seconds)
Setting number: "01" (lighting for 3 to 20 seconds)



Then, the screen goes back to the function number blinking indication (1), if the setting is sequentially conducted, continue with the same procedures. If the setting is finished, proceed to (5).

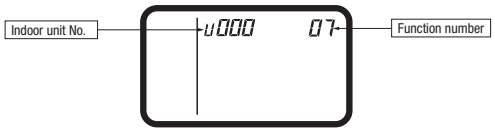
(5) **Press ON/OFF button.**
The setting is completed.

[In the case of selecting the indoor unit function (07-14)]
① **"88" blinks on the temperature setting indicators.**
(blinking for approximately 2 to 10 seconds while data is read)
↓
After that, the current setting number of the selected function number blinks.
(Example)
Function number: "07" (lighting)
Setting number: "01" (blinking)



Proceed to ②.

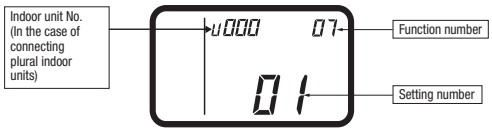
[Note]
a. In the case of connecting one remote control to plural indoor units, the display will be as follows:
Indoor unit No. display: "U 000" (blinking)
(Display the lowest number among the connected indoor units.)



b. Press TEMP△ or TEMP▽ button.
Select the indoor unit No. to be set.
If "U ALL" is selected, the same setting can be set to all units.
c. Press MODE button.
Decide the indoor unit No.
"88" blinks on the temperature setting indicators. (blinking for 2 to 10 seconds while data is read)
When AIR CON NO. button is pressed, go back to the indoor unit selection display (for example, "U 000" blinking).

② **Press TEMP△ or TEMP▽ button.**
Select the setting number

③ **Press MODE button.**
The setting is completed.
Light is on for approximately 3 to 20 seconds while data of the decided function No. and setting No. is transmitted.
(Example)
Indoor unit No.: "U 000" (lighting for 3 to 20 seconds)
Function number: "07" (lighting for 3 to 20 seconds)
Setting number: "01" (lighting for 3 to 20 seconds)



Then, the screen goes back to the function number blinking indication (1), if the setting is sequentially conducted, continue with the same procedures. If the setting is finished, proceed to (5).

- Even if ON/OFF button is pressed during setting, the setting is ended. However, any details where the setting has not been completed will be ineffective.
- The setting contents are stored in the controller, and even if the power failure occur, this will not be lost.

[Confirmation method for current setting]
According to the operation, the "setting number" displayed first after selecting "function number" and pressing MODE button is the currently set content.
(However, in the case of selecting "U ALL" (all units), the setting number of the lowest number among the indoor units is displayed.)

7.4 Interface Kit (SC-BIKN-E)

RKZ012A088 Ⓐ

Accessories included in package

Be sure to check all the accessories included in package.

No.	Part name	Quantity
①	Indoor unit's connection cable (cable length: 1.8m)	1
②	Wood screws (for mounting the interface: ø4x 25)	2
③	Tapping screws (for the cable clump and the interface mounting bracket)	3
④	Interface mounting bracket	1
⑤	Cable clamp (for the indoor unit's connection cable)	1

Safety precautions

Before use, please read these Safety Precautions thoroughly before installation.

- All the cautionary items mentioned below are important safety related items to be taken into consideration, so be sure to observe them at all times.

⚠Warning	Incorrect installation could lead to serious consequences such as death, major injury or enviromental destruction.

- Symbols used in these precautions

❗	Always go along these instruction.

- After completed installation, carry out trial operation to confirm no anomaly, and ask the user to keep this installation manual in a good place for future reference.

⚠ Warnings

❗

- **Installation must be carried out by a qualified installer.**
  If you install it by yourself, it may cause an electric shock, fire and personal injury , as a result of a system malfunction.
- **Install it in full accordance with the instruction manual.**
  Incorrect installation may cause an electric shock, fire and personal injury.
- **Electrical work must be carried out by a qualified electrician in accordance with the technical standard for electrical equipment, the indoor wiring standard and this instruction manual.**
  Incorrect installation may cause an electric shock, fire and personal injury.
- **Use the specific cables for wiring. And connect all the cables to terminals or connectors securely and clamp them with cable clamps in order for external forces not to be transmitted to the terminals directly.**
  Incomplete connection may cause malfunction, and lead to heat generation and fire.
- **Use the original accessories and specified components for installation.**
  If the parts other than those prescribed by us are used, it may cause an electric shock, fire and sersonal injury.

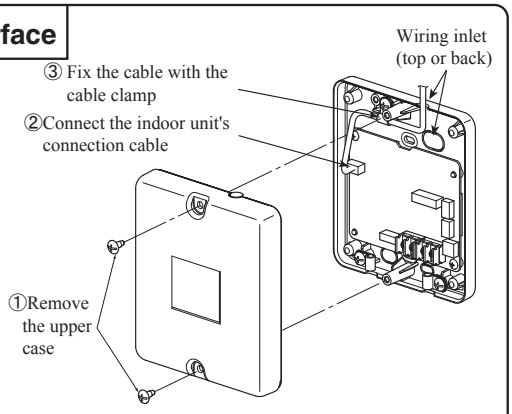
Connecting the indoor unit's connection cable to the interface

①Remove the upper case of the interface.
- Remove 2 screws from the interface casing before removal of upper casing.

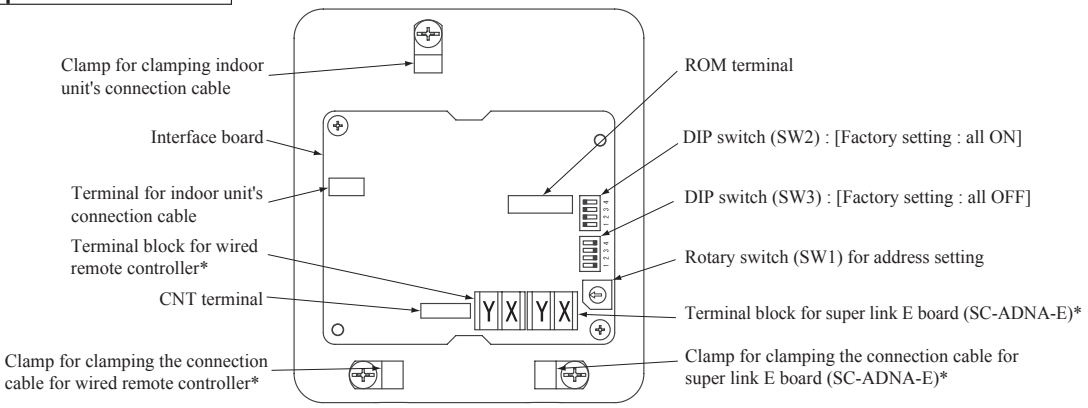
②Connect the indoor unit's connection cable to the interface.
- Connect the connector of the indoor unit connection cable to the connector on the interface's circuit board.

③Fix the indoor unit's connection cable with the cable clamp.
- Cable can be brought in from the top or from the back.
- Cut out the punch-outs for the connection cables running into the casing with cutter.

④Connect the indoor unit's connection cable to the indoor control PCB.
- Connect the indoor unit's connection cable to the indoor control PCB securely.
- Clamp the connection cable to the indoor control box securely with the cable clamp provided as an accessory.
- Regarding the cable connection to the indoor unit, refer to the instruction manual for indoor unit.



Name of each part of the interface



*Either the connection cables of super link E board (SC-ADNA-E) or of wired remote controller is connectable.

Switch	Setting	Function	Switch	Setting	Function
SW2-1	ON**	CNT level input	SW2-3	ON**	External input (CNT input)
	OFF	CNT Pulse input		OFF	Operation permission/prohibition (CNT input)
SW2-2	ON**	Wired remote controller : Valid	SW2-4	ON**	Heat pump
	OFF	Wired remote controller : Invalid		OFF	Cooling only

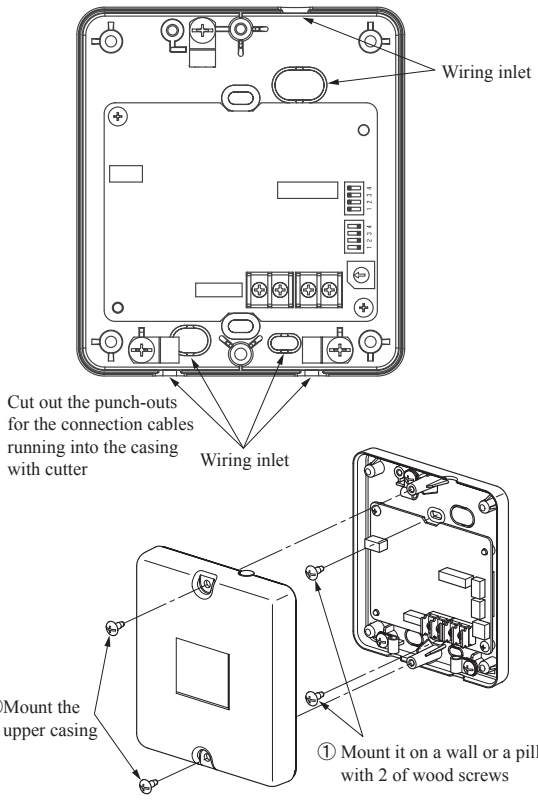
** Factory setting

Installation of the interface

- Install the interface within the range of the connection cable length (approximately 1.3m) from the indoor unit.
- Be sure not to extend the connection cable on site. If the connection cable is extended, malfunction may occur.
- Fix the interface on the wall, pillar or the like.

●DO NOT install the interface and wired remote controller at the following places.

- ○Places exposed to direct sunlight
- ○Places near heating devices
- ○High humidity places
- ○Surfaces where are enough hot or cold to generate condensation
- ○Places exposed to oil mist or steam directly
- ○Uneven surface

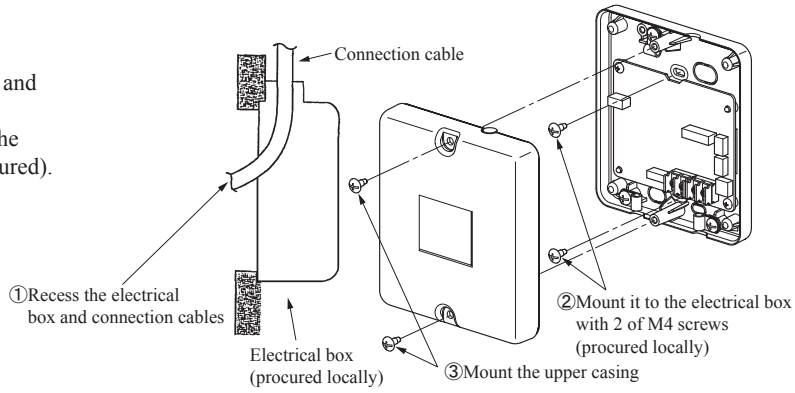


Mounting the interface directly on a wall

①Mount the lower casing of the interface on a flat surface with wood screws provided as standard accessory.
②Mount the upper casing.

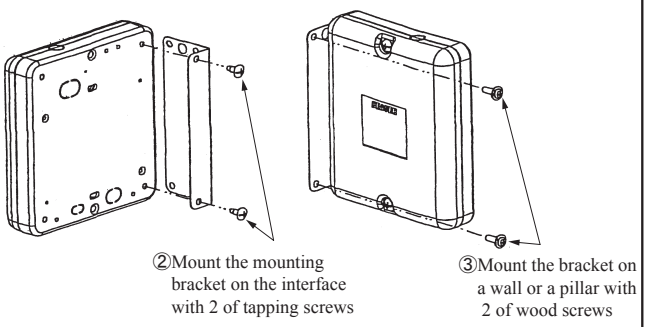
Recessing the interface in the wall

①Recess the electrical box (locally procured) and connection cables in the wall.
②Mount the lower casing of the interface to the electrical box with M4 screws (locally procured).
③Mount the upper casing.



Mounting the interface with the mounting bracket

①Mount the mounting bracket to the interface with tapping screws provided as standard accessory.
②Mount the mounting bracket on wall or the like with wood screws provided as standard accessory.
③Mount the mounting bracket to a wall surface, etc. using the wood screws provided.



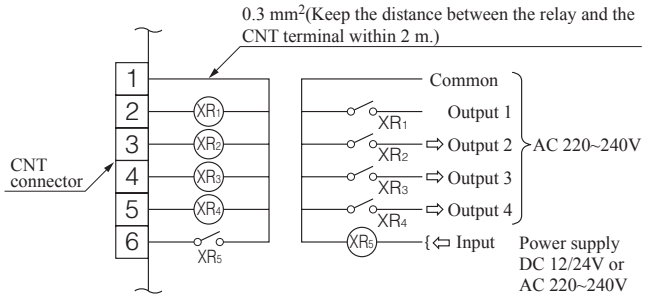
Installation check items

- ☐ Are the connection cables connected securely to the terminal blocks and connectors?
- ☐ Are the thickness and length of the connection cables conformed with the standard?

Functions of CNT connector

It is available to operate the air conditioning unit and to monitor the operation status with the external control unit (remote display) by sending the input/output signal through CNT connector on the indoor control PCB.

①Connect a external remote control unit (locally procured) to CNT terminal.
②In case of the pulse input, switch OFF the DIP switch SW2-1 on the interface PCB.
③When setting operation permission/prohibition mode, switch OFF the DIP switch SW2-3 on the interface PCB.



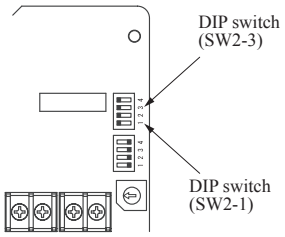
Input/ Output	Function	Output signal		Content
		Relay	ON/OFF	
Output 1	Operation output	XR_1	ON	During air-conditioner operation
Output 2	Heating output	XR_2	ON	During heating operation
Output 3	Compressor operation output	XR_3	ON	During compressor running
Output 4	Malfunction output	XR_4	ON	During anomalous stop

- $XR_{1\sim4}$ are for the DC 12V relay
- XR_5 is a DC 12/24V or AC 220~240V relay
- CNT connector (local) maker, model

Connector	Molex	5264-06
Terminals	Molex	5263T

Input/ Output	Function	SW2-1		SW2-3				Air-Conditioner	Operation by Remote Controller
		Setting		Setting	Input signal		Content		
					Level/Pulse	XR_5			
Input	External control input	ON*	Level input	ON*	Level	OFF→ON	External input	ON	Allowed
						ON→OFF		OFF	
				OFF		OFF→ON	Operation permission	OFF	
						ON→OFF	Operation prohibition	OFF	Not allowed
		OFF	Pulse input	ON*	Pulse	OFF→ON	External input	OFF→ON	Allowed
								ON→OFF	
				OFF	Level	OFF→ON	Operation permission	ON	
						ON→OFF	Operation prohibition	OFF	Not allowed

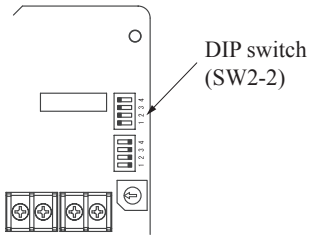
* Factory setting



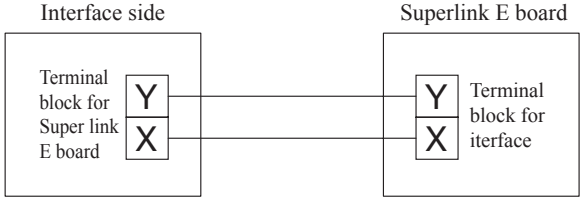
Connection of superlink E board

Regarding the connection of superlink E board, refer to the instruction manual of superlink E board.
For electrical work, power supply for all of units in the super link system must be turned OFF.

①Switch ON the DIP switch SW2-2 (Factory setting: ON) on the interface PCB.
Caution: Wireless remote controller attached to the indoor unit can be used in parallel, after connecting the wired remote controller. However, some of functions other than the basic functions such as RUN/STOP, Temperature Setting, etc. may not work properly and may have a mismatch between the display and the actual behavior.



②Wiring connection between the interface and the superlink E board.

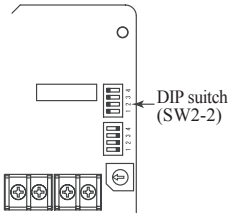


No.	Names of recommended signal wires
1	Shielded wire
2	Vinyl cabtyre round cord
3	Vinyl cabtyre round cable
4	Vinyl insulated wirevinyl sheathed cable for control

Within 200 m 0.5 mm² × 2 cores
Within 300 m 0.75 mm² × 2 cores
Within 400 m 1.25 mm² × 2 cores
Within 600 m 2.0 mm² × 2 cores

③Clamp the connection cables with cable clamps.

Connection of wired remote controller



Regarding the connection of wired remote controller, refer to the instruction manual of wired remote controller.

①Switch ON the DIP switch SW2-2 (Factory setting : ON) on the interface PCB.

Caution: Wireless remote controller attached to the indoor unit can be used in parallel, after connecting the wired remote controller. However, some of functions other than the basic functions such as RUN/STOP, Temperature Setting, etc. may not work properly and may have a mismatch between the display and the actual behavior.

②Wiring connection between the interface and the wired remote controller.

Installation and wiring of wired remote controller

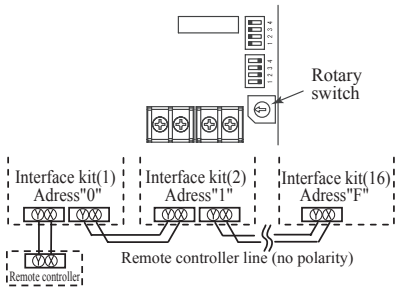
Ⓐ Install the wired remote controller with reference to the attached instruction manual of wired remote controller.
Ⓑ 0.3mm² x 2-core cable should be used for the wiring of wired remote controller.
Ⓒ Maximum length of wiring is 600m.
If the length of wiring exceeds 100m, change the size of cable as mentioned below.
100m-200m: 0.5mm² x 2-core, 300m or less: 0.75mm² x 2-core, 400m or less: 1.25mm² x 2-core, 600m or less: 2.0mm² x 2-core
However, cable size connecting to the terminal of wired remote controller should not exceed 0.5mm². Accordingly if the size of connection cable exceeds 0.5mm², be sure to downsize it to 0.5mm² at the nearest section of the wired remote controller and waterproof treatment should be done at the connecting section in order to avoid contact failure.
Ⓓ Don't use the multi-core cable to avoid malfunction.
Ⓔ Keep the wiring of wired remote controller away from grounding (Don't touch it to any metal frame of building, etc.).
Ⓕ Connect the connection cables to the terminal blocks of the wired remote controller and the interface securely (no polarity).

③Clamp the connection cables with cable clamps.

Control of multiple units by a single wired remote controller

Multiple units (up to 16) can be controlled by a single wired remote controller.
In this case, all units connected with a single wired remote controller will operate under the same mode and same setting temperature.

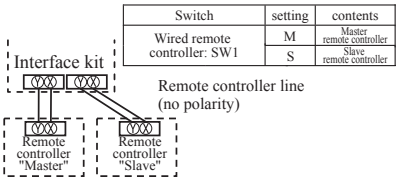
①Connect all the interface with 2-core cables of wired remote controller line.
②Set the address of indoor unit for remote controller communication from "0" to "F" with the rotary switch SW1 on the interface PCB.
③After turning the power ON, the address of indoor unit can be displayed by pressing AIR CON button on the wired remote controller.
Make sure all indoor units connected are displayed in order by pressing ▲ or ▼ button.



Master/Slave setting wired when 2 of wired remote controller are used

Maximum two wired remote controller can be connected to one indoor unit (or one group of indoor units)

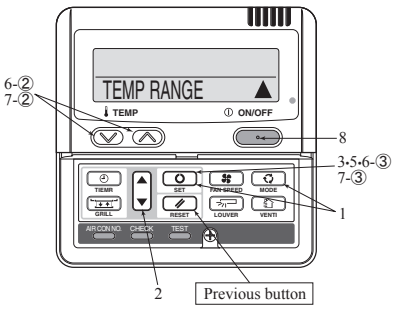
①Set the DIP switch SW1 on the wired remote controller to "Slave" for the slave remote controller. (Factory setting : Master)
○ Caution : Remote controller sensor is invalid.



● When using the wireless remote controller in parallel with the wired remote controller;
Temperature setting range should be changed with the wired remote controller (The set temperature may not be displayed correctly on the wireless remote controller, unless change of temperature setting range is done.)
Changing procedure of temperature setting range is as follows.

How to set upper and lower limit of temperature sting range

1. Stop the air-conditioner, and press (SET) and (MODE) button at the same time for 3 seconds or more.
The indication changes to"FUNCTION SET▼"
2. Press▼button once, and change to the "TEMP RANGE▲" indication.
3. Press (SET) button, and enter the temperature range setting mode.
4. Confirm that the "Upper limit ▼ " is shown on the display.
5. Press (SET)button to fix.
6. ①Indication: "∨ ∧ SET UP"→"UPPER 28℃ ∨ ∧"
②Select the upper limit value 30℃ with temperature setting button △."UPPER30℃∨ " (blinking)
③Press (SET) button to fix. "UPPER 30℃" (Displayed for two seconds)
After the fixed upper limit value displayed for two seconds, the indication will return to"UPPER LIMIT▼".
7. Press▼button once, "LOWER LIMIT ▲ " is selected, press (SET) button to fix.
①Indication: "∨ ∧ SET UP" → "LOWER 20℃∨ ∧"
②Select the lower limit value 18℃ with temperature setting button ▽."LOWER18℃∧ " (blinking)
③Press (SET) button to fix. "LOWER 18℃" (Displayed for two seconds)
After the fixed lower limit value displayed for two seconds, the indication will return to"LOWER LIMIT▼"
8. Press ON/OFF button to finish.



Temperature setting range

Mode	Temperature setting range	Upper limit	Lower limit
Heating	16-30℃	20-30℃	16-26℃
Other than heating (Cooling, Fan, Dry, Auto)	18-30℃		

- It is possible to quit in the middle by pressing ON/OFF button, but the change of setting is incompleted.
- During setting, if pressing (RESET) button, it returns to the previous screen.

Delete

*

7.5 Superlink E board (SC-ADNA-E)

PJZ012D029F

●Read and understand the instructions completely before starting installation.
●Refer to the instructions for both indoor and outdoor units.

Safety precautions

●Carefully read “Safety precautions” first. Follow the instructions for installation.
●Precautions are grouped into “Warning ⚠” and “Caution⚠”. The “Warning⚠” group includes items that may lead to serious injury or death if not observed. The items included in the “Caution ⚠” group also may lead to serious results under certain conditions. Both groups are crucial for safety installation. Read and understand them carefully.
●After installation, conduct the test operation of the device to check for any abnormalities. Describe how to operate the device to the customer following the installation instruction manual, Instruct the customer to keep this installation instruction for future reference.

⚠Warning

- This device should be installed by the dealer where you purchase the device or a licensed professional shop. If the device is incorrectly installed by the customer, it may result in electric shock or fire.
- Install the device carefully following the installation instruction. If the device is incorrectly installed, it may result in electric shock or fire.
- Use the accessory parts and specified parts for installation. If any parts that do not match the specifications are used, it may result in electric shock or fire.
- A person with the electrical service certification should conduct the service based on the “Technical standards for electrical facilities”, “Electrical Wiring Code”, and the installation instruction. If the work is done incorrectly, it may result in electric shock or fire.
- Wiring should be securely connected using the specified types of wire. No external force on the wire should be applied to any terminals. If a secure connection is not achieved, it may result in electric shock or fire.

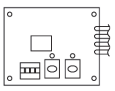
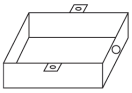
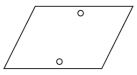
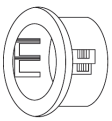
⚠Caution

- Provide ground connection.
  The ground line should never be connected to the gas supply piping, the water supply piping, the lightning conductor rod, nor the telephone ground. If the grounding is improper, it may result in electric shock.
- Do not install the device in the following locations.
  1.Where there is mist/spray of oil or steam such as kitchens.
  2.Where there is corrosive gases such as sulfurous acid gas.
  3.Where there is a device generating electromagnetic waves.
  These may interfere with the control system resulting in the device becoming uncontrollable.
  4.Where flammable volatile materials such as paint thinner and gasoline may exist or where they are handled. This may cause a fire.

1 Application

Indoor-to-outdoor three core communication specification type 3 (since October 2007)

2 Accessories

SL E board	Metal box	Metal cover	Screw for Ground
			M4×8L 2 pieces 
Pan head screws	Locking supports	Binding band	Grommet
ϕ4×8L 2 pieces 	To secure the print board and the metal box Made of nylon 4 pieces 		

3 Function

Allowing the center console SL1N-E, SL2NA-E, and SL3N-AE/BE to control and monitor the commercial air conditioning unit.

4 Control switching

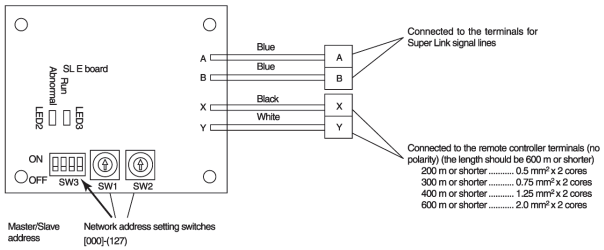
Settings can be changed by the switch SW3 on the SL E board as in the following.

Switch	Symbol	Switch	Remarks
SW3	1	ON	Master
		OFF (default)	Slave
	2	ON	Fixed previous protocol
		OFF (default)	Automatic adjustment of Super Link protocol
	3	ON	Indicates the forced operation stop when abnormality has occurred.
		OFF (default)	Indicates the status of running/stop as it is, when abnormality has occurred.
	4	ON	The hundredth address activated “1”
		OFF (default)	The hundredth address activated “0”

5 Connection Outline

Note for setting the address

- Set the address between 00 and 47 for the previous Super Link connection and between 000 and 127 for the new Super Link connection. (*1)
- Do not set the address overlapping with those of the other devices in the network. (The default is 000)



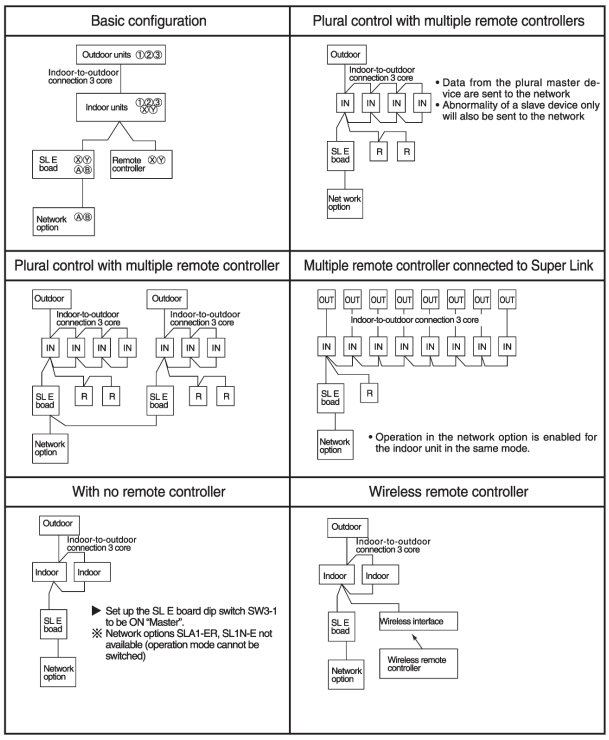
(*1) Whether the actual link is either the new Super Link or the previous Super Link depends on the models of the connected outdoor and indoor units. Consult the agent or the dealer.

Signal line specification

Communication method	Previous Super Link	New Super Link
Line type	MVVS	MVVS
Line diameter	0.75 - 1.25mm²	0.75/1.25mm²
Signal line (total length)	up to 1000m	up to 1500/1000m (*2)
Signal line (maximum length)	up to 1000m	up to 1000m

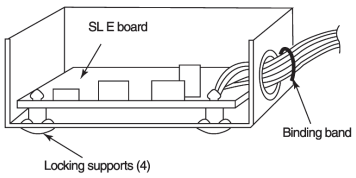
(*2) Up to 1500 m for 0.75 mm², and up to 1000 m for 1.25 mm².
Do not use 2.0 mm². It may cause an error.
(*3) Connect grounding on both ends of the shielding wire.
For the grounding method, refer to the section “6 Installation”.

(1) Set the Super Link network address with SW1 (tens place), SW2 (ones place), and SW3 (hundreds place).
(2) Set the SL E board SW3-1 to be ON (Master) when using this without any remote controller (no wired remote controller nor wireless remote controller).
(3) Set up the plural master/slave device using the dip switches on the indoor unit board.
(4) Set up the remote controller master/slave device using the slide switch on the remote controller board.
(5) Set up "0" to "F" using the address rotary switch on the indoor unit board when controlling the indoor unit with the multiple remote controller.

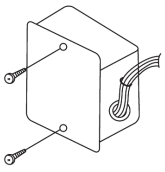


6 Installation

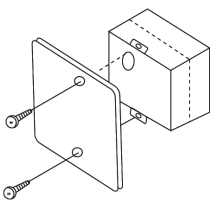
1. When using the metal box (mounted on the indoor unit / mounted on the back of the remote controller):
   (1) Mount the SL E board in the metal box using the locking supports.
   (2) Wiring should go through the provided grommet since then through the wiring to the hole on the Metal box.
   Secure the grommet after inserting the grommet into the Metal box as shown in below figure, then tie the wiring at the outlet of the unit using a binding band.



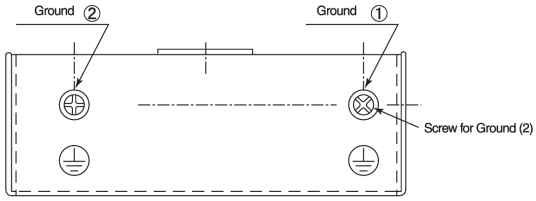
▲ When installed outside the indoor unit, put the metal cover on.



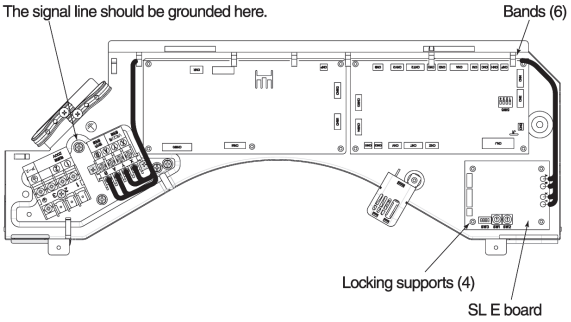
▲ When installed on the back of the remote controller, mount it directly on the remote controller bottom case.



Connect grounding. Connect grounding for the power line to Ground ①, and grounding for the signal line to Ground ② or to the Ground on the indoor unit control box.



2. When connecting to the indoor unit control box (ceiling-concealed type and FDT type only):
   (1) Mount the SL E board in the control box using the locking supports.
   (2) Remove 6 bands from the box and put the wiring through the bands to be secured.



Electrical shock hazard! Make sure to turn the power off for servicing. Be cautious so that no abnormal force should be applied to the wiring. Do not let the SL E board hung by the wiring. Do not damage the board with a screw driver.
The board is sensitive to static electricity. Release the static electricity of your body before servicing.
(you can do this by touching the control board which is grounded).

Location of installation

Install the device at the location where there are no electromagnetic waves nor where there is water and dust. The specified temperature range of the device is 0 to 40℃. Install the device at the location where the ambient temperature stays within the range. If it exceeds the specification, make sure to provide solution such as installing a cooling fan. When used outside of the range, it may cause abnormal operation.

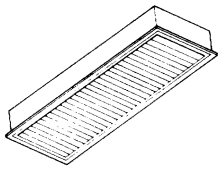
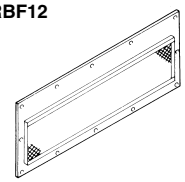
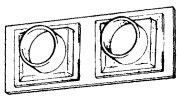
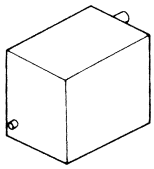
7 Indicator display

Check the LED 3 (green) and LED 2 (red) on the SL E board for flashing.

SL E board LEDs		Inspection mode	Display on the integrated network control device
Red	Green		
Off	Flashing	Normal communication	
Off	Off	• Disconnection in the remote controller communication line (X or Y) • Short-circuit in the remote controller communication line (between X and Y) • Faulty indoor unit remote controller power • Faulty remote controller communication circuit • Faulty CPU on SL E board	No corresponding unit number
One flash	Flashing	• Disconnection in the Super Link signal line (A or B) • Short-circuit in the Super Link signal line (between A and B) • Faulty Super Link signal circuit	
Two flashes	Flashing	• Faulty address setting for the SL E board (Set up the address for previous SL E board : more than 48 new SL E board : more than 128)	
Three flashes	Flashing	• SL E board parent not set up when used without a remote controller • Faulty remote controller communication circuit	E1
Four flashes	Flashing	• Address overlapping for the SL E board and the Super Link network connected indoor unit	E2
Off	Flashing	• Number of connected devices exceeds the specification for the multiple indoor unit control	E10

7.6 Ducted type (SRRM) optional parts

■ **Table of optional parts**

① Bottom air inlet grille set RTS12	② Rear inlet filter set RBF12	③ Duct joint for air outlet plate RFJ22	④ Drain up kit RDU12E
			

(1) Bottom air inlet grille set

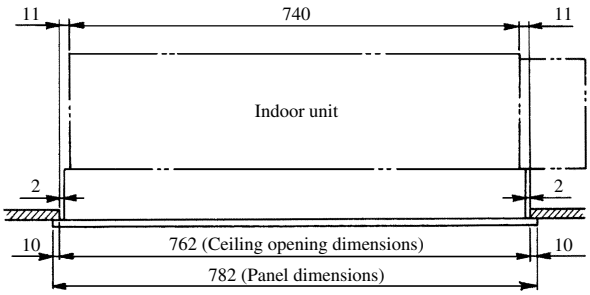
(a) Part No.: RTS12

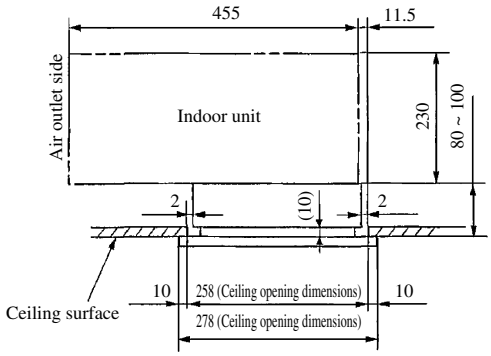
(b) Parts list

Name	Qty.
Air inlet grille	1
Duct for air inlet grille	1
Tapping screw	10
Pan-head screws	4

(c) Installation

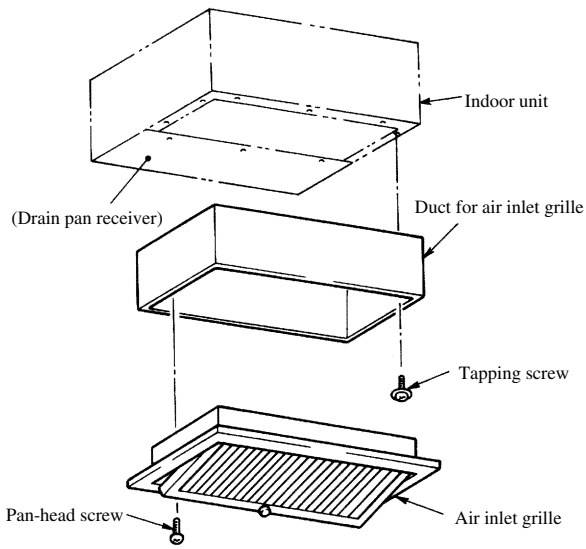
Unit: mm





(d) Installation procedure

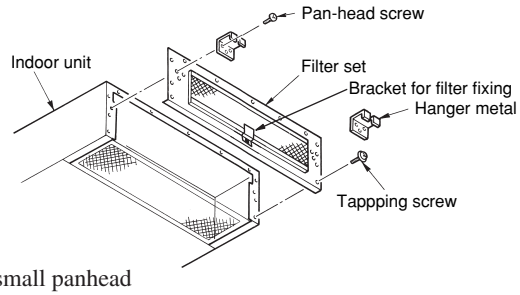
1) Mount the duct for the air inlet grille to the indoor unit using the 10 tapping screws provided. The tapping screws on the drain pan receiver side are also used for mounting the duct for the air inlet grille. They must first be removed and reinstalled after the duct for the air inlet grille is in place. A guideline for the height is to secure the assembly so that the lower surface of the duct for the intake grille is approximately 10 mm above the bottom surface of the ceiling.
2) Remove the center screw for the air inlet grille and open the grille as shown in the illustration. Next, insert the air inlet grille into the duct for the air inlet grille and secure it with the pan-head screws (the long screws).
3) Use the pan-head screws to make the small adjustments in height. The height dimension on the installation diagram allows for adjustment within range of 80 to 100 mm. If the pan-head screws are completely tightened, the height will be 80 mm.



(2) Rear inlet filter set

(a) Part No.: RBF12

(b) Installation



Do not use this filter set alone.

There are two inlet ports: lower inlet port (normal) and rear inlet port.

1) Detach the rear panel and the hanger metal screwad onto the rear panel from an indoor unit.

2) Attach the removed hanger metal to the frame of the filter set with small panhead screws. (One screw each on the right and left sides of the frame is designed to fasten them together onto the main unit).

3) Attach the filter set onto the point where the rear panel was attached with tapping screws. (The rear panel will become of no use anymore)

(3) Duct joint for air outlet plate

(a) Part No.: RFJ22

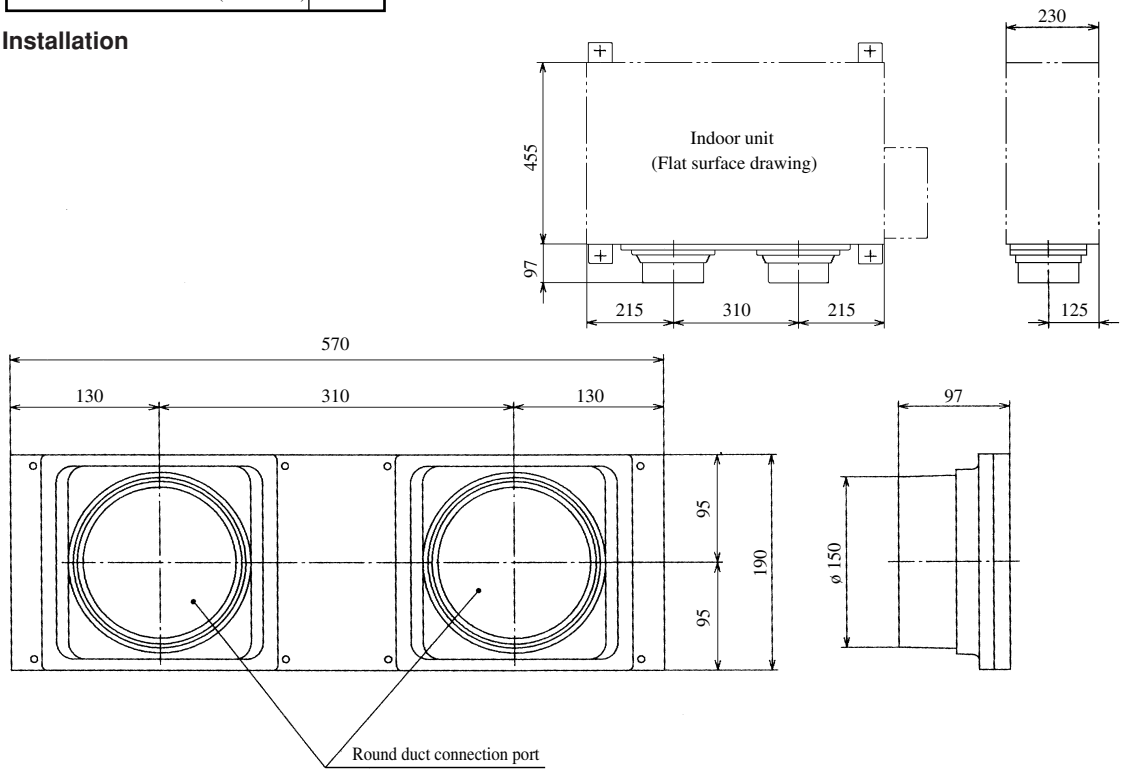
This duct joint is to be used for the connection of a round duct (ø 150 mm) to an indoor unit.

(b) Part list

Name	Qty.
Duct joint	1
Tapping screws	8
Heat insulation materials (15×15×t3)	60

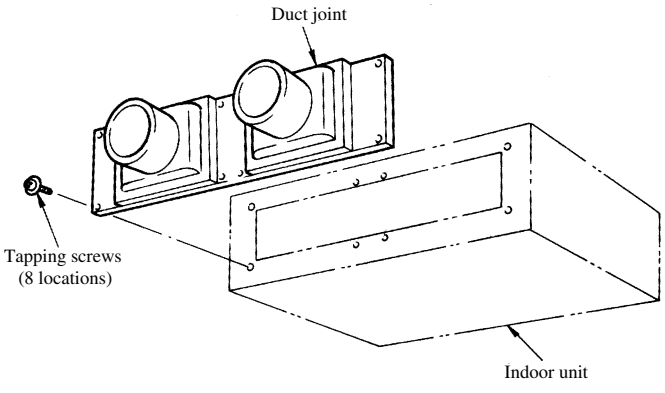
(c) Installation

Unit: mm

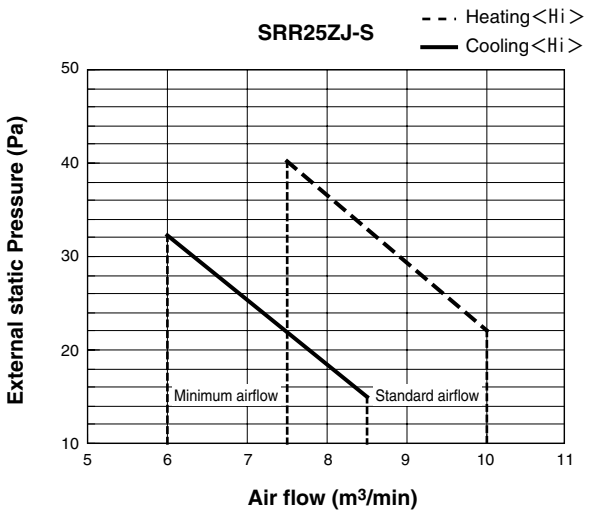


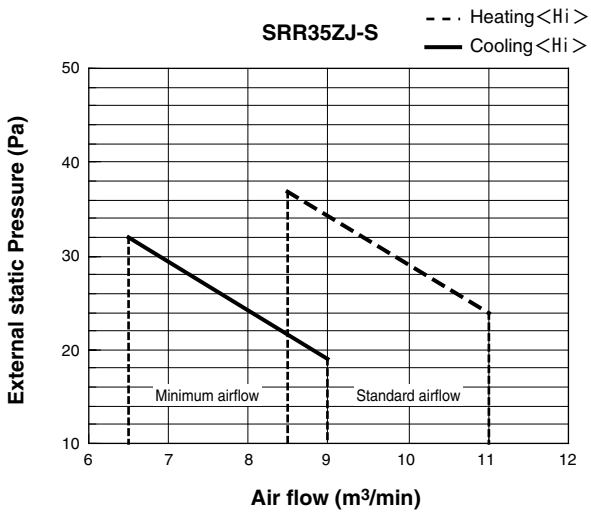
(d) Installation procedure

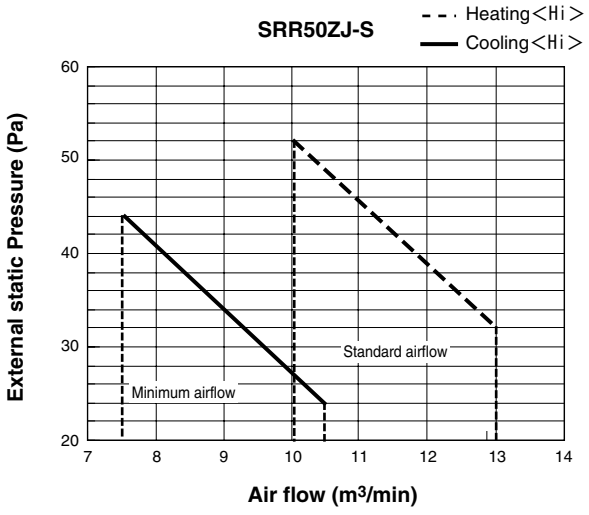
Use the tapping screws to mount the duct joint to the front of the indoor unit. Use care to prevent gaps from forming at the joining surfaces with the indoor unit. Use insulation at the connecting areas between a round duct and the duct joint to prevent condensation.

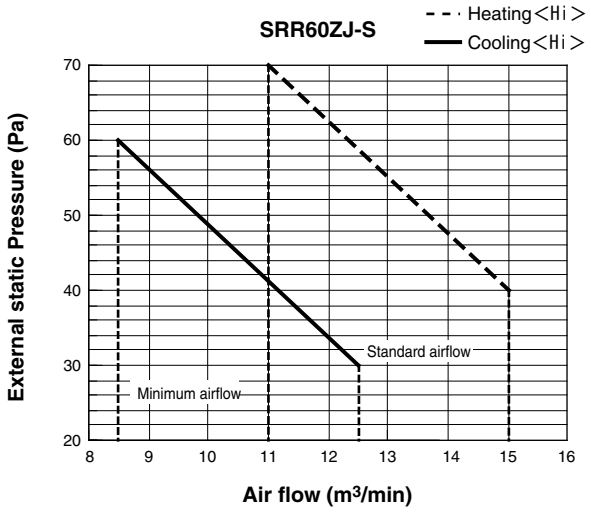


◆**Air flow and external static pressure characteristics**

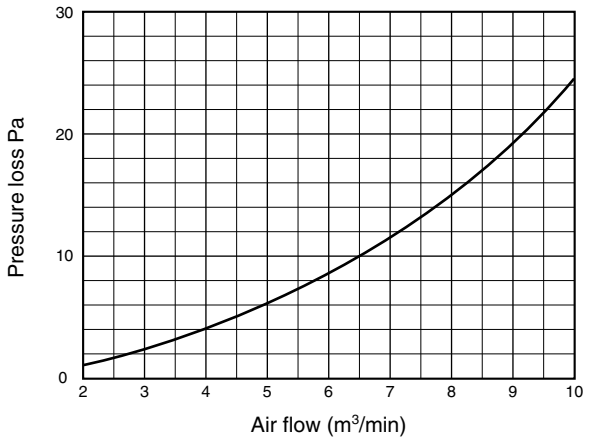








◆**Air inlet grille air flow and friction loss characteristics (Part No.: RTS12)**



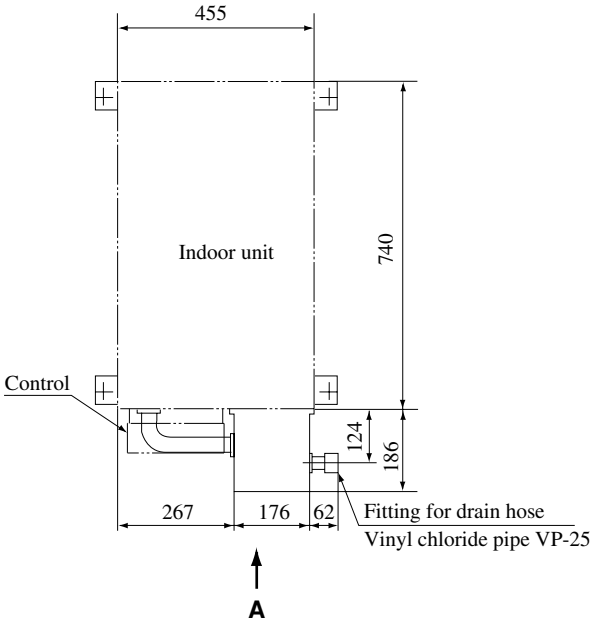
(4) Drain up kit

(a) Part No. : RDU12E

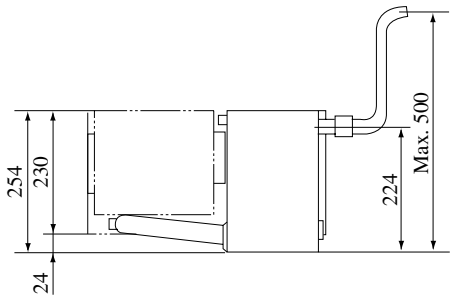
(b) Accessories

No.	Name	Qty.
①	Drain pump	1
②	Drain hose	1
③	Hose clamp	1
④	Tapping screw	4

(c) Installation of drain up kit



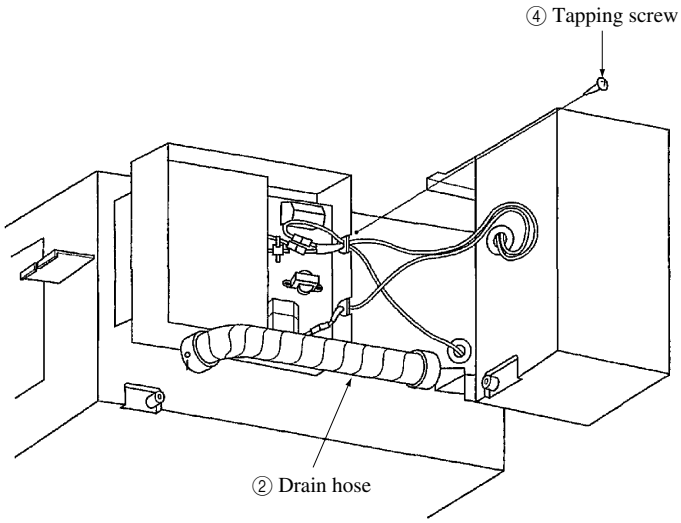
Unit: mm

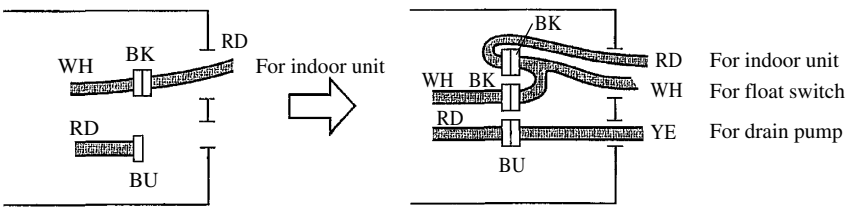


VIEW A

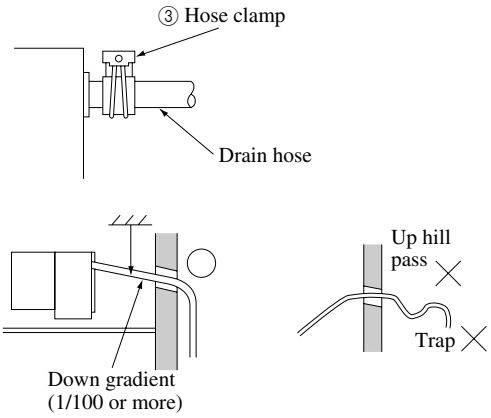
(d) Installation of drain up kit

1) Fix the drain up kit on the right side of the inside unit with tap screws.
2) Insert the drain hose fully and securely to the drain sockets of the inside unit and the drain up kit.
3) Connect the drain up kit's connectors for the drain pump (red color 2P) and the float switch (black 2P) to the connectors of the control box. (The control box's connectors for the drain pump and the float switch are also red and black respectively.) Note that the control's connector for the float switch is already connected to the inside unit's connector for the float switch, so disconnect them and connect it to the drain up kit's connector for the float switch .





4) Use hard PVC general purpose pipes VP-25 sold in the market for drain pipes after draining up.
5) Tighten the PVC pipe securely with the attached clamp after inserting it in the drain socket.
6) The drain pipe must have downward inclination gradient of 1/100 or more, and take care not to make a trap or uphill pass.
7) When connecting the drain pipe, take care not to apply force on the pipe of the unit, and clamp the pipe as close as possible to the unit.
8) Don't attach air purge pipe, because the drain might spout.
9) Be sure to provide heat insulation to the indoor side drain pipe.



7.7 Filter kit (FDUM only)

PJZ012D076

This manual contains installation points and operating instructions for the filter kit manufactured by MHI.
Carry out the work following the instructions below.
This manual also contains information on the usage after installation,
so keep this manual properly with USER'S MANUAL provided with the indoor unit.

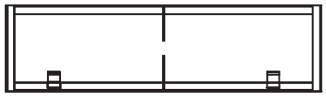
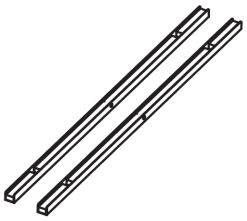
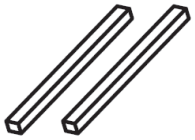
⚠ CAUTION

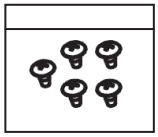
- After unpacking, carry out this work on the ground.
- Do not carry out the work during operation, or there is a danger of being entangled in the rotating parts and getting injured.
- Clean the air filter regularly.
- Be sure to entrust qualified serviceman to performance on the air filter.
- Be sure to cut off the power and stop the unit before performing maintenance.

1. Table of filter kit parts No. and corresponding object models

	Small model	Medium model	Large model
Single type	50	60, 71	100 - 140
Multi type	22 - 56	71, 90	112 - 160
Filter Kit	UM-FL1EF	UM-FL2EF	UM-FL3EF

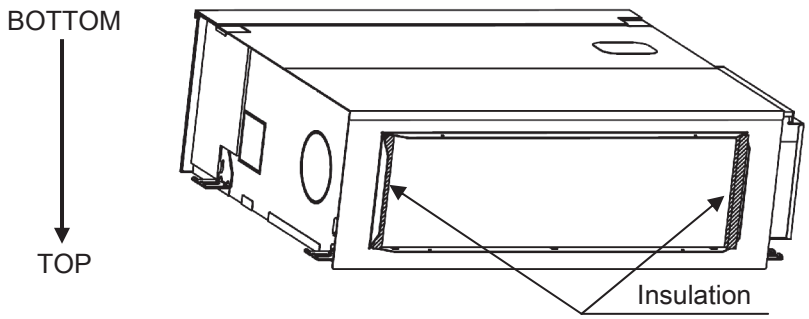
2. Parts list of filter kit

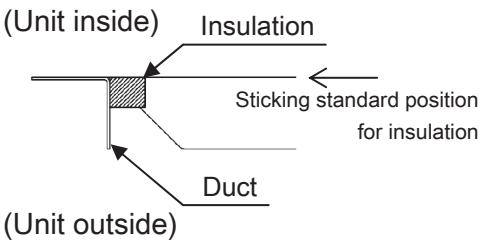
Filter	Rail	Insulation
 1pc	 2pc	 2pc

Bracket	Parts set (screw)	
 1pc	 small and medium-sized model : 5pcs.	 large model : 7pcs. 1pc

3. Installation Points

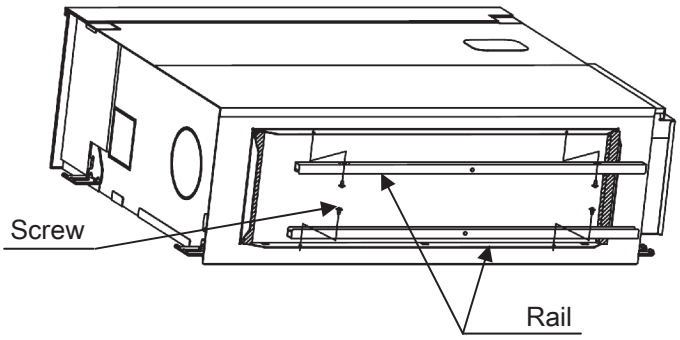
(1) Stick the insulation on both inner sides of the duct, leaving no space up and down.



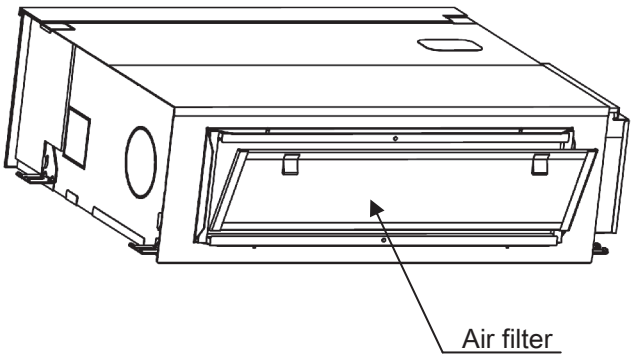


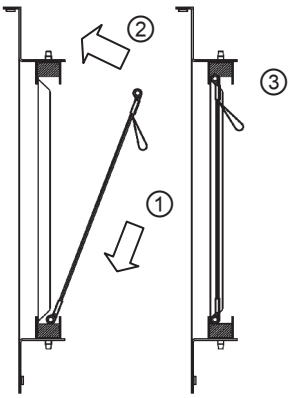
(*) After unpacking, bottom side of the unit is located at the upper side.

(2) Install the rail on both inner sides of the duct with the screw.



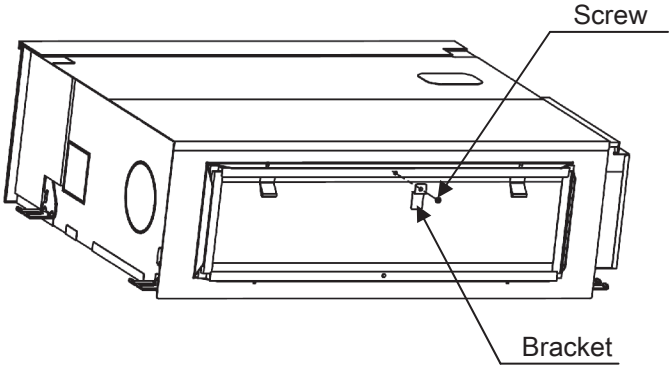
(3) Install the air filter on the rails.





Installation procesure

(4) Install the bracket on the rail with the screw.



(**) When the unit is installed, bottom side of the unit is located at the lower side.

INVERTER MULTI-SPLIT SYSTEM
RESIDENTIAL AIR CONDITIONERS

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