MHI

TECHNICAL MANUAL

DRAFT

Manual No.'10•SR-T-091D

INVERTER RESIDENTIAL AIR CONDITIONERS
(Split system, air to air heat pump type)

Wall mounted type
- SRK50ZJ-S
- SRK20ZJX-S
- 25ZJX-S
- 35ZJX-S
- 50ZJX-S
- 60ZJX-S

Floor standing type
- SRF25ZJX-S
- 35ZJX-S
- 50ZJX-S

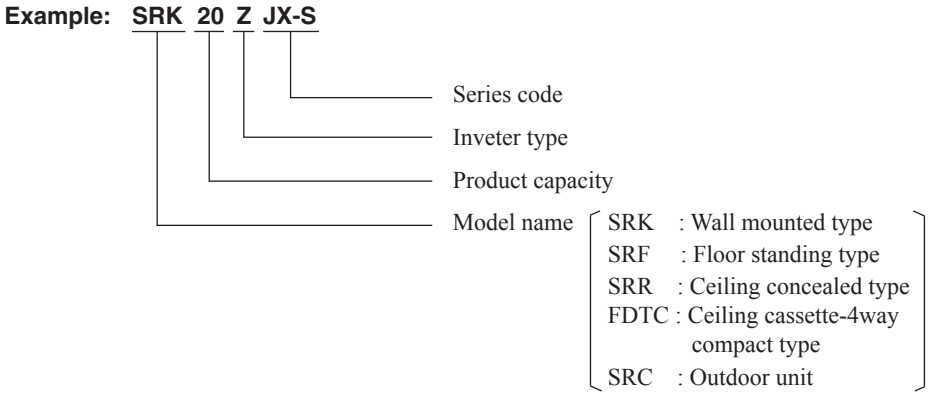
Ceiling concealed type
- SRR25ZJ-S
- 35ZJ-S

Ceiling cassette-4way compact type
- FDTC25VD
- 35VD

MITSUBISHI HEAVY INDUSTRIES, LTD.

CONTENTS

■How to read the model name



1. SPECIFICATIONS

(1) Wall mounted type (SRK)

Adapted to **RoHS** directive

Item				Model	SRK50ZJ-S	
					Indoor unit **SRK50ZJ-S**	Outdoor unit **SRC50ZJ-S**
Cooling capacity (1)				W	5000 (1600 (Min.)～5500 (Max.))	
Heating capacity (1)				W	5800 (1600 (Min.)～6600 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	1.55 (0.40～2.20)	
			Heating		1.59 (0.42～2.10)	
	Running current		Cooling	A	7.1 / 6.8 / 6.5 (220/ 230/ 240 V)	
			Heating		7.3 / 7.0 / 6.7 (220/ 230/ 240 V)	
	Inrush current				7.3 / 7.0 / 6.7 (220/ 230/ 240 V)	
	COP		Cooling		3.23	
			Heating		3.65	
	Noise level	Cooling	Sound level	dB(A)	Hi : 46 Me : 37 Lo : 26	51
			Power level	dB	61	61
		Heating	Sound level	dB(A)	Hi : 45 Me : 37 Lo : 31	53
			Power level	dB	61	63
Exterior dimensions (Height x Width x Depth)				mm	294 x 798 x 229	640 x 800 (+71) x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	9.5	42
Refrigerant equipment	Compressor type & Q'ty				—	5RS132XAB21 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.90 (Line starting)
	Refrigerant oil			ℓ	0.37 (FV50S)	
	Refrigerant (4)			kg	R410A 1.35 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1
	Motor			W	38	34
	Air flow		Cooling	CMM	Hi : 11.3 Me : 7.8 Lo : 5.3	36.0
			Heating		Hi : 13.5 Me : 10.2 Lo : 7.5	36.0
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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 : 0.53 Gas line : 0.40	—
	Insulation for piping				Necessary (Both sides), independent	
	Refrigerant line (one way) length			m	Max. 25	
	Vertical height difference between outdoor unit and indoor unit				Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z225 B

Adapted to **RoHS** directive

Item \ Model					SRK20ZJX-S	
					Indoor unit **SRK20ZJX-S**	Outdoor unit **SRC20ZJX-S**
Cooling capacity (1)				W	2000 (900 (Min.)～3100 (Max.))	
Heating capacity (1)				W	2500 (900 (Min.)～4300 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	0.35 (0.19～0.70)	
			Heating		0.45 (0.23～1.00)	
	Running current		Cooling	A	1.9 / 1.8 / 1.7 (220/ 230/ 240 V)	
			Heating		2.4 / 2.3 / 2.2 (220/ 230/ 240 V)	
	Inrush current				2.4 / 2.3 / 2.2 (220/ 230/ 240 V)	
	COP		Cooling		5.71	
			Heating		5.56	
	Noise level	Cooling	Sound level	dB(A)	Hi : 39 Me : 30 Lo : 21	47
			Power level	dB	53	60
		Heating	Sound level	dB(A)	Hi : 38 Me : 33 Lo : 25	47
			Power level	dB	54	59
Exterior dimensions (Height x Width x Depth)				mm	309 x 890 x 220	595 x 780 (+62) x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	15	38
Refrigerant equipment	Compressor type & Q'ty				—	RM-B5077MDE1 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.75 (Line starting)
	Refrigerant oil			ℓ	0.35 (DIAMOND FREEZE MA68)	
	Refrigerant (4)			kg	R410A 1.2 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1
	Motor				27	24
	Air flow		Cooling	CMM	Hi : 11.5 Me : 8.0 Lo : 5.0	29.5
			Heating		Hi : 12.0 Me : 9.5 Lo : 7.0	27.0
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	
	Refrigerant line (one way) length			m	Max. 15	
	Vertical height difference between outdoor unit and indoor unit				Max. 10 (Outdoor unit is higher) Max. 10 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z229 B

Adapted to **RoHS** directive

Item \ Model					SRK25ZJX-S	
					Indoor unit **SRK25ZJX-S**	Outdoor unit **SRC25ZJX-S**
Cooling capacity (1)				W	2550 (900 (Min.)～3200 (Max.))	
Heating capacity (1)				W	3130 (900 (Min.)～4700 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	0.49 (0.19～0.82)	
			Heating		0.595 (0.23～1.12)	
	Running current		Cooling	A	2.5 / 2.4 / 2.3 (220/ 230/ 240 V)	
			Heating		3.1 / 2.9 / 2.8 (220/ 230/ 240 V)	
	Inrush current				3.1 / 2.9 / 2.8 (220/ 230/ 240 V)	
	COP		Cooling		5.20	
			Heating		5.26	
	Noise level	Cooling	Sound level	dB(A)	Hi : 41 Me : 31 Lo : 22	47
			Power level	dB	55	60
		Heating	Sound level	dB(A)	Hi : 41 Me : 34 Lo : 27	47
			Power level	dB	58	60
Exterior dimensions (Height x Width x Depth)				mm	309 x 890 x 220	595 x 780 (+62) x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	15	38
Refrigerant equipment	Compressor type & Q'ty				—	RM-B5077MDE1 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.75 (Line starting)
	Refrigerant oil			ℓ	0.35 (DIAMOND FREEZE MA68)	
	Refrigerant (4)			kg	R410A 1.2 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1
	Motor			W	27	24
	Air flow		Cooling	CMM	Hi : 12.5 Me : 9.0 Lo : 5.0	29.5
			Heating		Hi : 13.0 Me : 10.0 Lo : 7.5	27.0
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	
	Refrigerant line (one way) length			m	Max. 15	
	Vertical height difference between outdoor unit and indoor unit				Max. 10 (Outdoor unit is higher) Max. 10 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z229 B

Adapted to **RoHS** directive

Item \ Model					SRK35ZJX-S	
					Indoor unit **SRK35ZJX-S**	Outdoor unit **SRC35ZJX-S**
Cooling capacity (1)				W	3500 (900 (Min.)～4100 (Max.))	
Heating capacity (1)				W	4300 (900 (Min.)～5100 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	0.845 (0.19～1.01)	
			Heating		0.960 (0.23～1.35)	
	Running current		Cooling	A	4.0 / 3.8 / 3.6 (220/ 230/ 240 V)	
			Heating		4.6 / 4.4 / 4.2 (220/ 230/ 240 V)	
	Inrush current				4.6 / 4.4 / 4.2 (220/ 230/ 240 V)	
	COP		Cooling		4.14	
			Heating		4.48	
	Noise level	Cooling	Sound level	dB(A)	Hi : 43 Me : 33 Lo : 22	50
			Power level	dB	58	63
		Heating	Sound level	dB(A)	Hi : 42 Me : 35 Lo : 27	50
			Power level	dB	59	62
Exterior dimensions (Height x Width x Depth)				mm	309 x 890 x 220	595 x 780 (+62) x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	15	38
Refrigerant equipment	Compressor type & Q'ty				—	RM-B5077MDE1 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.90 (Line starting)
	Refrigerant oil			ℓ	0.35 (DIAMOND FREEZE MA68)	
	Refrigerant (4)			kg	R410A 1.2 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1
	Motor			W	27	24
	Air flow		Cooling	CMM	Hi : 13.5 Me : 9.5 Lo : 5.0	32.5
			Heating		Hi : 14.0 Me : 11.0 Lo : 8.0	29.5
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	
	Refrigerant line (one way) length			m	Max. 15	
	Vertical height difference between outdoor unit and indoor unit				Max. 10 (Outdoor unit is higher) Max. 10 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z229 B

Adapted to **RoHS** directive

Item \ Model					SRK50ZJX-S	
					Indoor unit **SRK50ZJX-S**	Outdoor unit **SRC50ZIX-S**
Cooling capacity (1)				W	5000 (700 (Min.)～6200 (Max.))	
Heating capacity (1)				W	6000 (700 (Min.)～8800 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	1.30 (0.2～2.20)	
			Heating		1.35 (0.2～2.26)	
	Running current		Cooling	A	6.0 / 5.7 / 5.5 (220/ 230/ 240 V)	
			Heating		6.2 / 5.9 / 5.7 (220/ 230/ 240 V)	
	Inrush current				6.2 / 5.9 / 5.7 (220/ 230/ 240 V)	
	COP		Cooling		3.85	
			Heating		4.44	
	Noise level	Cooling	Sound level	dB(A)	Hi : 45 Me : 38 Lo : 26	48
			Power level	dB	60	62
		Heating	Sound level	dB(A)	Hi : 45 Me : 38 Lo : 32	48
			Power level	dB	62	62
Exterior dimensions (Height x Width x Depth)				mm	309 x 890 x 220	640 x 800 (+71) x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	15	43
Refrigerant equipment	Compressor type & Q'ty				—	5CS130XGB04 (Scroll type) x 1
	Motor (Starting method)			kW	—	0.9 (Line starting)
	Refrigerant oil			ℓ	0.48 (RB68A or Freol Alpha 68M)	
	Refrigerant (3)			kg	R410A 1.4 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1
	Motor			W	27	34
	Air flow		Cooling	CMM	Hi : 13.5 Me : 11 Lo: 8	36.0
			Heating		Hi : 16.5 Me : 14.5 Lo : 10.5	33.0
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	
	Refrigerant line (one way) length			m	Max. 30	
	Vertical height difference between outdoor unit and indoor unit				Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z229 B

Adapted to **RoHS** directive

Item \ Model					SRK60ZJX-S	
					Indoor unit **SRK60ZJX-S**	Outdoor unit **SRC60ZIX-S**
Cooling capacity (1)				W	6000 (800 (Min.)～6800 (Max.))	
Heating capacity (1)				W	6800 (800 (Min.)～9700 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	1.86 (0.25～2.30)	
			Heating		1.67 (0.25～2.70)	
	Running current		Cooling	A	8.5 / 8.2 / 7.8 (220/ 230/ 240 V)	
			Heating		7.7 / 7.3 / 7.0 (220/ 230/ 240 V)	
	Inrush current				8.5 / 8.2 / 7.8 (220/ 230/ 240 V)	
	COP		Cooling		3.23	
			Heating		4.07	
	Noise level	Cooling	Sound level	dB(A)	Hi : 47 Me : 38 Lo : 26	51
			Power level	dB	62	65
		Heating	Sound level	dB(A)	Hi : 45 Me : 39 Lo : 33	51
			Power level	dB	62	65
Exterior dimensions (Height x Width x Depth)				mm	309 x 890 x 220	640 x 800 (+71) x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	15	43
Refrigerant equipment	Compressor type & Q'ty				—	5CS130XGB04 (Scroll type) x 1
	Motor (Starting method)			kW	—	0.9 (Line starting)
	Refrigerant oil			ℓ	0.48 (RB68A or Freol Alpha 68M)	
	Refrigerant (3)			kg	R410A 1.4 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Tangential fan x 1	Propeller fan x 1
	Motor			W	27	34
	Air flow		Cooling	CMM	Hi : 14.5 Me : 12.5 Lo : 8.5	41.5
			Heating		Hi : 17.0 Me : 15.0 Lo : 11.0	36.0
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 2	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	
	Refrigerant line (one way) length			m	Max. 30	
	Vertical height difference between outdoor unit and indoor unit				Max. 20 (Outdoor unit is higher) Max.20 (Outdoor unit is lower)	
Drain hose					Connectable (VP 16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z229 B

(2) Floor standing type (SRF)

Adapted to **RoHS** directive

Item				Model	SRF25ZJX-S	
					Indoor unit **SRF25ZJX-S**	Outdoor unit **SRC25ZJX-S**
Cooling capacity (1)				W	2500 (900 (Min.)～3200 (Max.))	
Heating capacity (1)				W	3400 (900 (Min.)～4700 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	0.521 (0.19～0.82)	
			Heating		0.723 (0.23～1.20)	
	Running current		Cooling	A	2.6 / 2.5 / 2.4 (220/ 230/ 240 V)	
			Heating		3.6 / 3.4 / 3.3 (220/ 230/ 240 V)	
	Inrush current				3.6 / 3.4 / 3.3 (220/ 230/ 240 V)	
	COP		Cooling		4.80	
			Heating		4.70	
	Noise level	Cooling	Sound level	dB(A)	Hi : 40 Me : 32 Lo : 26	47
			Power level	dB	51	60
		Heating	Sound level	dB(A)	Hi : 40 Me : 35 Lo : 28	47
			Power level	dB	51	60
Exterior dimensions (Height x Width x Depth)				mm	600 x 860 x 238	595 x 780 x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	18	38
Refrigerant equipment	Compressor type & Q'ty				—	RM-B5077MDE1 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.75 (Line starting)
	Refrigerant oil			ℓ	0.35 (DIAMOND FREEZE MA68)	
	Refrigerant (3)			kg	R410A 1.2 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Turbo fan x 1	Propeller fan x 1
	Motor			W	40	24
	Air flow		Cooling	CMM	Hi : 9.0 Me : 7.6 Lo : 5.8	29.5
			Heating		Hi : 10.5 Me : 8.2 Lo : 6.6	27.0
	Fresh air intake				Impossible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 1	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	—	—
	Insulation for piping				Necessary (Both sides), independent	
	Refrigerant line (one way) length			m	Max. 15	
	Vertical height difference between outdoor unit and indoor unit				Max. 10 (Outdoor unit is higher) Max. 10 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWB000Z053 A

Adapted to **RoHS** directive

Item \ Model					SRF35ZJX-S	
					Indoor unit **SRF35ZJX-S**	Outdoor unit **SRC35ZJX-S**
Cooling capacity (1)				W	3500 (900 (Min.)～4100 (Max.))	
Heating capacity (1)				W	4500 (900 (Min.)～5100 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	0.890 (0.19～1.26)	
			Heating		1.124 (0.23～1.43)	
	Running current		Cooling	A	4.1 / 3.9 / 3.7 (220/ 230/ 240 V)	
			Heating		5.2 / 4.9 / 4.7 (220/ 230/ 240 V)	
	Inrush current				5.2 / 4.9 / 4.7 (220/ 230/ 240 V)	
	COP		Cooling		3.93	
			Heating		4.00	
	Noise level	Cooling	Sound level	dB(A)	Hi : 41 Me : 34 Lo : 28	50
			Power level	dB	52	63
		Heating	Sound level	dB(A)	Hi : 41 Me : 36 Lo : 31	50
			Power level	dB	52	62
Exterior dimensions (Height x Width x Depth)				mm	600 x 860 x 238	595 x 780 x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	19	38
Refrigerant equipment	Compressor type & Q'ty				—	RM-B5077MDE1 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.90 (Line starting)
	Refrigerant oil			ℓ	0.35 (DIAMOND FREEZE MA68)	
	Refrigerant (3)			kg	R410A 1.2 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Turbo fan x 1	Propeller fan x 1
	Motor			W	40	24
	Air flow		Cooling	CMM	Hi : 9.2 Me : 7.8 Lo : 6.4	32.5
			Heating		Hi : 10.7 Me : 8.3 Lo : 7.4	29.5
	Fresh air intake				Impossible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 1	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	
	Refrigerant line (one way) length			m	Max. 15	
	Vertical height difference between outdoor unit and indoor unit				Max. 10 (Outdoor unit is higher) Max.10 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWB000Z053A

Adapted to **RoHS** directive

Item \ Model					SRF50ZJX-S	
					Indoor unit **SRF50ZJX-S**	Outdoor unit **SRC50ZIX-S**
Cooling capacity (1)				W	5000 (700 (Min.)～5500 (Max.))	
Heating capacity (1)				W	6000 (700 (Min.)～7000 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	1.390 (0.2～1.80)	
			Heating		1.540 (0.2～2.25)	
	Running current		Cooling	A	6.4 / 6.1 / 5.8 (220/ 230/ 240 V)	
			Heating		7.1 / 6.8 / 6.5 (220/ 230/ 240 V)	
	Inrush current				7.1 / 6.8 / 6.5 (220/ 230/ 240 V)	
	COP		Cooling		3.60	
			Heating		3.90	
	Noise level	Cooling	Sound level	dB(A)	Hi : 47 Me : 39 Lo : 30	48
			Power level	dB	58	62
		Heating	Sound level	dB(A)	Hi : 47 Me : 39 Lo : 32	48
			Power level	dB	58	62
Exterior dimensions (Height x Width x Depth)				mm	600 x 860 x 238	640 x 800 x 290
Exterior appearance (Munsell color)					Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	19	43
Refrigerant equipment	Compressor type & Q'ty				—	5CS130XGB04 (Scroll type) x 1
	Motor (Starting method)			kW	—	0.9 (Line starting)
	Refrigerant oil			ℓ	0.48 (RB68A or Freol Alpha 68M)	
	Refrigerant (3)			kg	R410A 1.4 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Turbo fan x 1	Propeller fan x 1
	Motor			W	40	34
	Air flow		Cooling	CMM	Hi : 11.5 Me : 9.6 Lo : 6.6	36.0
			Heating		Hi : 12.0 Me : 10.0 Lo : 7.6	33.0
	Fresh air intake				Impossible	—
	Air filter, Quality / Quantity				Polypropylene net (washable) x 1	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	—	—
	Insulation for piping				Necessary (Both sides), independent	
	Refrigerant line (one way) length			m	Max. 30	
	Vertical height difference between outdoor unit and indoor unit				Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWB000Z053 A

(3) Ceiling concealed type (SRR)

Adapted to **RoHS** directive

Item				Model	SRR25ZJ-S	
					Indoor unit **SRR25ZJ-S**	Outdoor unit **SRC25ZJX-S**
Cooling capacity (1)				W	2500 (900 (Min.)～3200 (Max.))	
Heating capacity (1)				W	3400 (900 (Min.)～4700 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	0.580 (0.19～0.82)	
			Heating		0.750 (0.23～1.20)	
	Running current		Cooling	A	2.9 / 2.8 / 2.7 (220/ 230/ 240 V)	
			Heating		3.7 / 3.6 / 3.4 (220/ 230/ 240 V)	
	Inrush current				3.7 / 3.6 / 3.4 (220/ 230/ 240 V)	
	COP		Cooling		4.31	
			Heating		4.53	
	Noise level	Cooling	Sound level	dB(A)	Hi : 40 Me : 35 Lo : 29	47
			Power level	dB	54	60
		Heating	Sound level	dB(A)	Hi: 41 Me: 38 Lo: 31	47
			Power level	dB	55	60
Exterior dimensions (Height x Width x Depth)				mm	230 x 740 x 455	595 x 780 x 290
Exterior appearance (Munsell color)					—	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	22	38
Refrigerant equipment	Compressor type & Q'ty				—	RM-B5077MDE1 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.75 (Line starting)
	Refrigerant oil			ℓ	0.35 (DIAMOND FREEZE MA68)	
	Refrigerant (3)			kg	R410A 1.2 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Centrifugal fan x 2	Propeller fan x 1
	Motor			W	51	24
	Air flow		Cooling	CMM	Hi : 8.5 Me : 7.0 Lo : 5.0	29.5
			Heating		Hi : 10.0 Me : 9.0 Lo : 6.5	27.0
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net x 1	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Drain error protection Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control), Cooling overload 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	—	—
	Insulation for piping				Necessary (Both sides), independent	
	Refrigerant line (one way) length			m	Max. 15	
	Vertical height difference between outdoor unit and indoor unit				Max. 10 (Outdoor unit is higher) Max. 10 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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		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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z231 A

Adapted to **RoHS** directive

Item \ Model					SRR35ZJ-S	
					Indoor unit **SRR35ZJ-S**	Outdoor unit **SRC35ZJX-S**
Cooling capacity (1)				W	3500 (900 (Min.)～4100 (Max.))	
Heating capacity (1)				W	4200 (900 (Min.)～5100 (Max.))	
Power supply					1 Phase, 220～240 V, 50Hz	
Operation data (1)	Power consumption		Cooling	kW	1.080 (0.19～1.26)	
			Heating		1.100 (0.23～1.43)	
	Running current		Cooling	A	5.0 / 4.7 / 4.5 (220/ 230/ 240 V)	
			Heating		5.1 / 4.8 / 4.6 (220/ 230/ 240 V)	
	Inrush current				5.1 / 4.8 / 4.6 (220/ 230/ 240 V)	
	COP		Cooling		3.24	
			Heating		3.82	
	Noise level	Cooling	Sound level	dB(A)	Hi: 42 Me : 37 Lo: 30	50
			Power level	dB	56	62
		Heating	Sound level	dB(A)	Hi : 43 Me : 40 Lo : 32	50
			Power level	dB	57	62
Exterior dimensions (Height x Width x Depth)				mm	230 x 740 x 455	595 x 780 x 290
Exterior appearance (Munsell color)					—	Stucco white (4.2Y 7.5/1.1) near equivalent
Net weight				kg	22	38
Refrigerant equipment	Compressor type & Q'ty				—	RM-B5077MDE1 (Rotary type) x 1
	Motor (Starting method)			kW	—	0.75 (Line starting)
	Refrigerant oil			ℓ	0.35 (DIAMOND FREEZE MA68)	
	Refrigerant (3)			kg	R410A 1.2 (Pre-Charged up to the piping length of 15m)	
	Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
	Refrigerant control				Capillary tubes + Electronic expansion valve	
	Deice control				Microcomputer control	
Air handling equipment	Fan type & Q'ty				Centrifugal fan x 2	Propeller fan x 1
	Motor			W	51	24
	Air flow		Cooling	CMM	Hi : 9.0 Me : 7.5 Lo : 5.5	32.5
			Heating		Hi : 11.0 Me : 9.5 Lo : 7.0	29.5
	Fresh air intake				Not possible	—
	Air filter, Quality / Quantity				Polypropylene net x 1	—
Shock & vibration absorber					—	Cushion rubber (for compressor)
Electric heater					—	—
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					Compressor overheat protection, Overcurrent protection, Drain error protection Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection (High pressure control), Cooling overload 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	
	Refrigerant line (one way) length			m	Max. 15	
	Vertical height difference between outdoor unit and indoor unit				Max. 10 (Outdoor unit is higher) Max. 10 (Outdoor unit is lower)	
Drain hose					Connectable (VP16)	—
Power cable					—	
Recommended breaker size				A	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.
(4) The refrigerant quantity to be charged includes the refrigerant in 15m connecting piping.
(Purging is not required even for the short piping.)

RWA000Z231 A

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

Adapted to **RoHS** directive

Item \ Model		FDTC25VD	
		Indoor unit **FDTC25VD**	Outdoor unit **SRC25ZJX-S**
		Panel **TC-PSA-25W-E**	
Power source			220/230/240V～50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	2.55 [0.9 (Min.)～3.2 (Max.)]	3.45 [0.9 (Min.)～4.7 (Max.)]
Power consumption	kW	0.6	0.84
Running current	A	3.0/2.9/2.8	4.1/4.0/3.8
Power factor	%	91	92
Inrush current	A	4.1	
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	47
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	595 x 780 x 290
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	38
Refrigerant equipment Compressor type & Q'ty		—	RM-B5077MDE1 (Rotary type) x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.35 (DIAMOND FREEZE MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 1
Motor <Starting method>	W	33 <Direct line start>	24 <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	Cooling 29.5 Heating 27.0
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)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	—
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	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ6.35 (1/4") Pipe ϕ6.35 (1/4") × 0.8 O/U ϕ6.35 (1/4")	
		Gas line : ϕ9.52 (3/8") ϕ9.52 (3/8") × 0.8 ϕ9.52 (3/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max. 15m	
Vertical height difference between outdoor unit and indoor unit		Max. 10m (Outdoor unit is higher) Max. 10m (Outdoor unit is lower)	
Refrigerant Quantity		R410A 1.2kg in outdoor unit (incl. the amount for the piping of : 15m)	
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	Drain elbow, Drain hole grommet

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.

RWA000Z234 A

Adapted to **RoHS** directive

Item \ Model		FDTC35VD	
		Indoor unit **FDTC35VD**	Outdoor unit **SRC35ZJX-S**
		Panel **TC-PSA-25W-E**	
Power source			220/230/240V～50Hz
Operation data		Cooling	Heating
Nominal capacity	kW	3.6 [0.9 (Min.)～4.1 (Max.)]	4.25 [0.9 (Min.)～5.1 (Max.)]
Power consumption	kW	1.07	1.16
Running current	A	4.9/4.7/4.5	5.3/5.1/4.9
Power factor	%	99	99
Inrush current	A	5.3	
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	50
Exterior dimensions Height x Width x Depth	mm	Unit 248 × 570 × 570 Panel 35 × 700 × 700	595 x 780 x 290
Exterior appearance (Munsell color)		Plaster White (6.8Y8.9/0.2) near equivalent	Stucco White (4.2Y7.5/1.1) near equivalent
Net weight	kg	UNIT 15 PANEL 3.5	38
Refrigerant equipment Compressor type & Q'ty		—	RM-B5077MDE1 (Rotary type) x 1
Starting method		—	Direct line start
Refrigerant oil	ℓ	—	0.35 (DIAMOND FREEZE MA68)
Heat exchanger		Louver fin & inner grooved tubing	M shape fin & inner grooved tubing
Refrigerant control		—	Electronic expansion valve
Air handling equipment Fan type & Q'ty		Turbo fan × 1	Propeller fan × 1
Motor <Starting method>	W	33 <Direct line start>	24 <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	Cooling 32.5 Heating 29.5
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)	Rubber sleeve (for Compressor)
Insulation (noise & heat)		Polyurethane form	—
Electric heater	W	—	—
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	Internal thermostat for fan motor Abnormal discharge temperature protection.
Installation data Refrigerant piping size	mm	Liquid line : I/U ϕ6.35 (1/4") Pipe ϕ6.35 (1/4") × 0.8 O/U ϕ6.35 (1/4")	
		Gas line : ϕ9.52 (3/8") ϕ9.52 (3/8") × 0.8 ϕ9.52 (3/8")	
Connecting method		Flare piping	Flare piping
Refrigerant line (one way) length		Max. 15m	
Vertical height difference between outdoor unit and indoor unit		Max. 10m (Outdoor unit is higher) Max. 10m (Outdoor unit is lower)	
Refrigerant Quantity		R410A 1.2kg in outdoor unit (incl. the amount for the piping of : 15m)	
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	Drain elbow, Drain hole grommet

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.

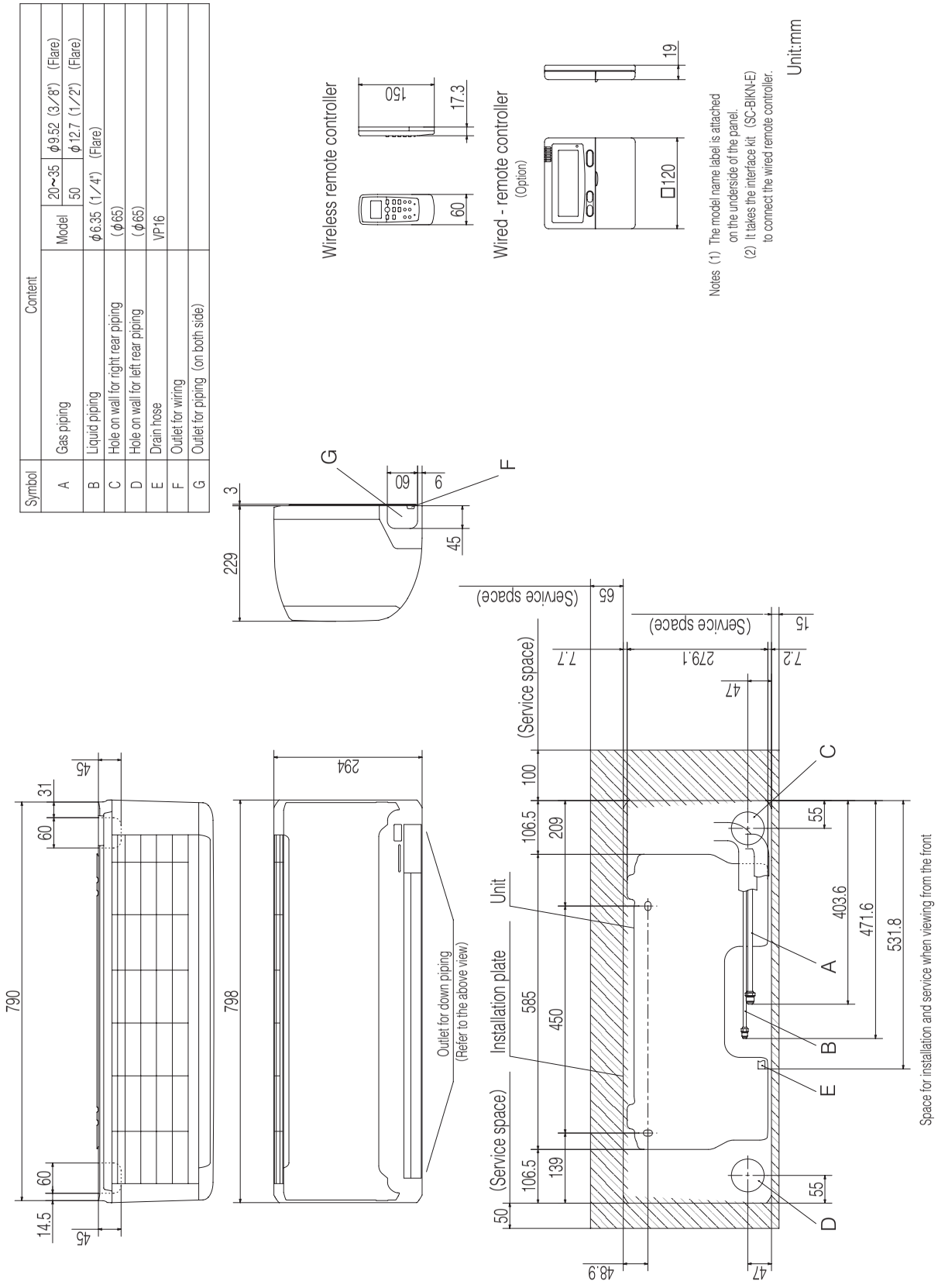
RWA000Z234 A

2. EXTERIOR DIMENSIONS

(1) Indoor units

Model SRK50ZJ-S

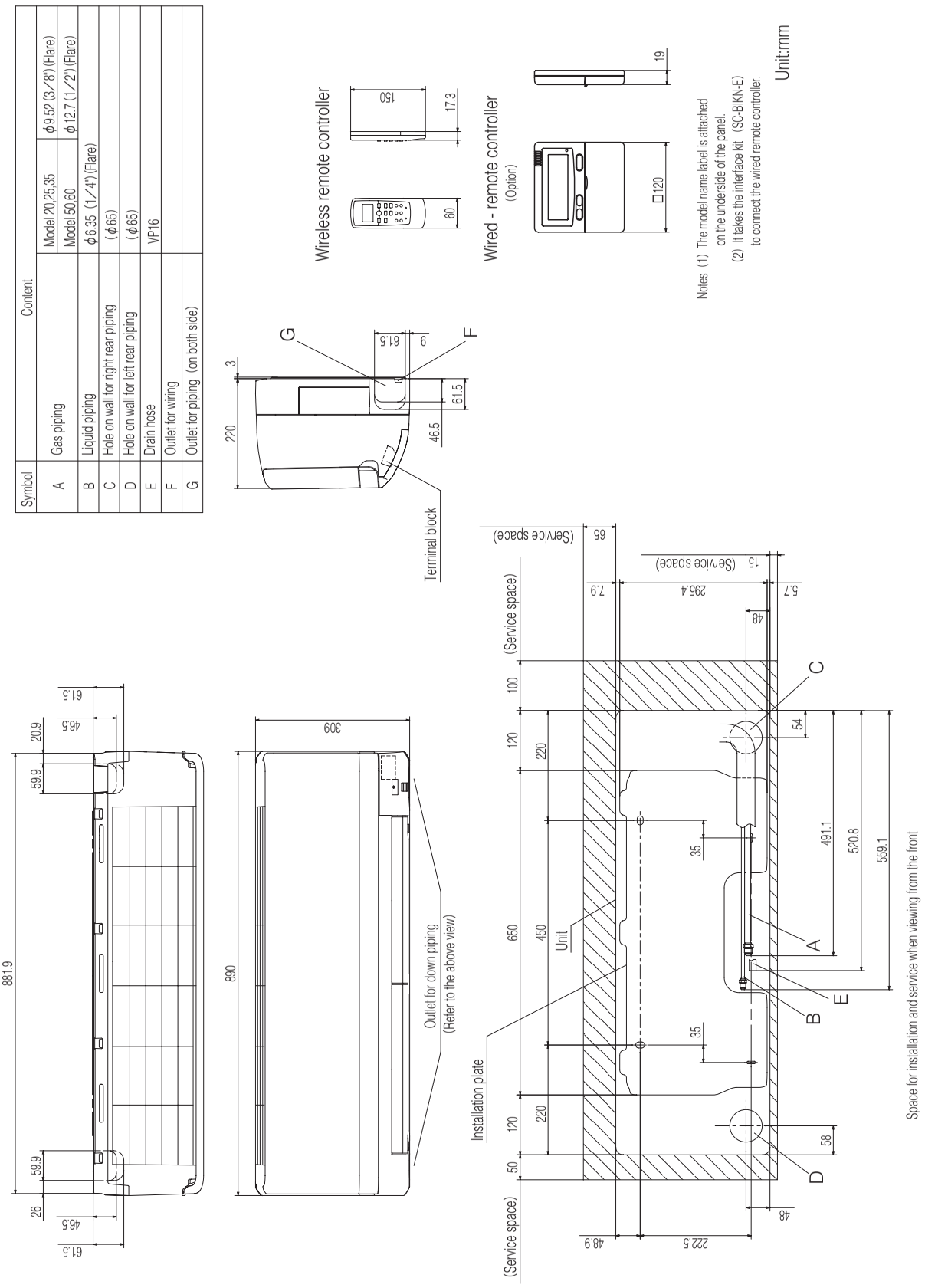
Symbol	Content		
A	Gas piping	Model 20~35	φ9.52 (3/8") (Flare)
		Model 50	φ12.7 (1/2") (Flare)
B	Liquid piping		φ6.35 (1/4") (Flare)
C	Hole on wall for right rear piping		(φ65)
D	Hole on wall for left rear piping		(φ65)
E	Drain hose		VP16
F	Outlet for wiring		
G	Outlet for piping (on both side)		



RLA000Z051

Models SRK20ZJX-S, 25ZJX-S, 35ZJX-S, 50ZJX-S, 60ZJX-S

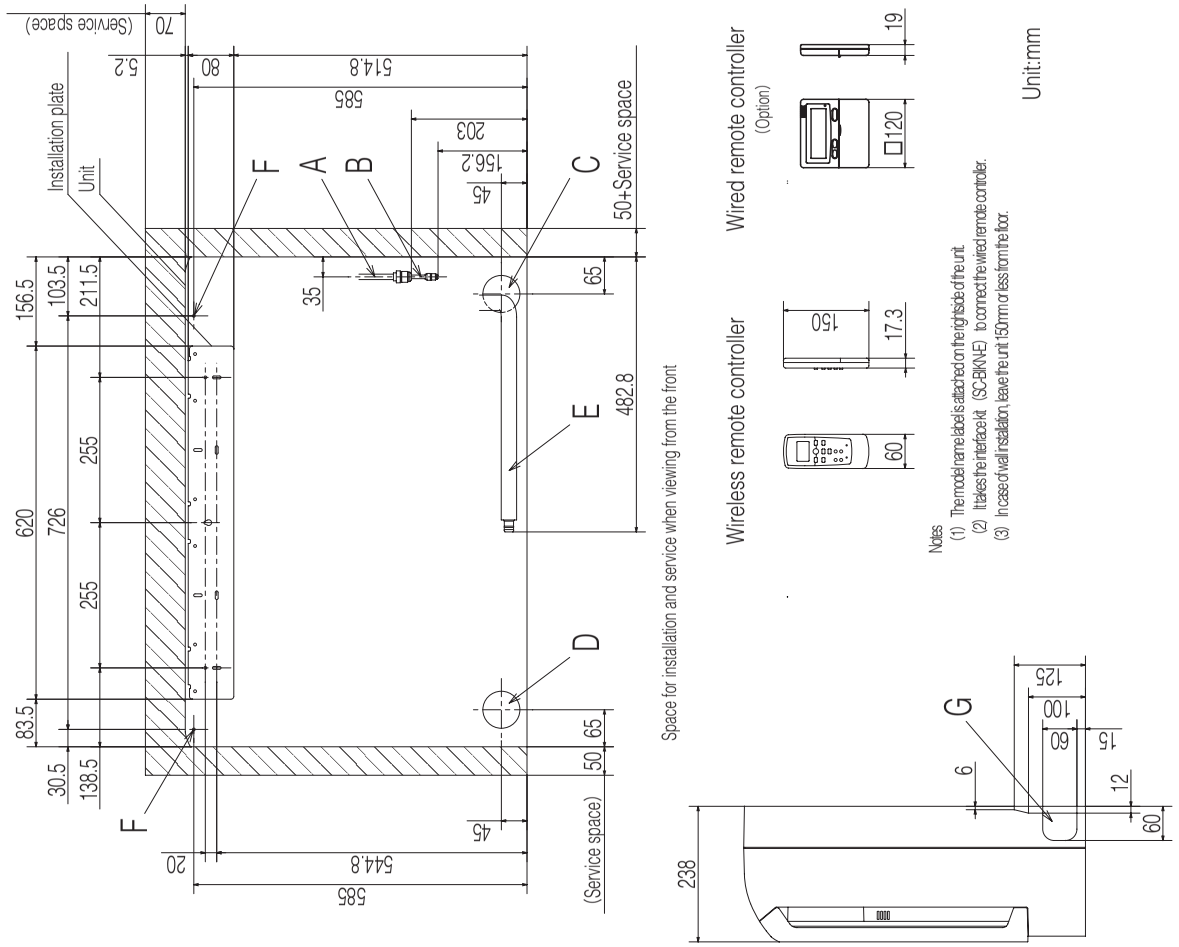
Symbol	Content		
A	Gas piping	Model 20,25,35	ϕ9.52 (3/8") (Flare)
		Model 50,60	ϕ12.7 (1/2") (Flare)
B	Liquid piping	ϕ6.35 (1/4") (Flare)	
C	Hole on wall for right rear piping	(ϕ65)	
D	Hole on wall for left rear piping	(ϕ65)	
E	Drain hose	VP16	
F	Outlet for wiring		
G	Outlet for piping (on both side)		

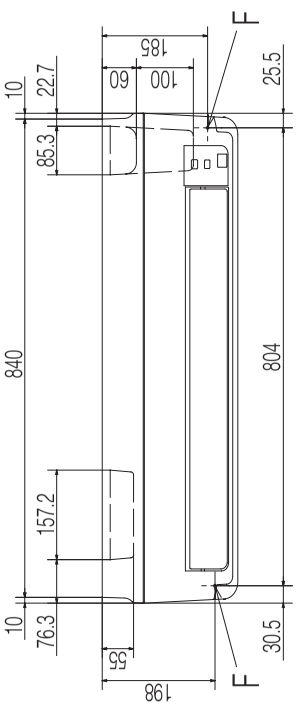


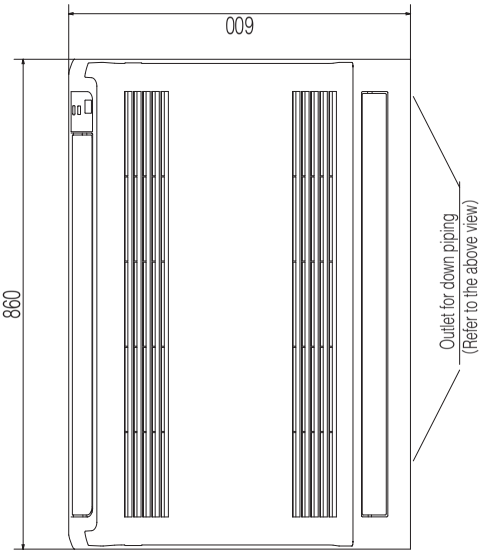
RKY000Z053

(b) Floor standing type (SRF)

Models SRF25ZJX-S, 35ZJX-S, 50ZJX-S





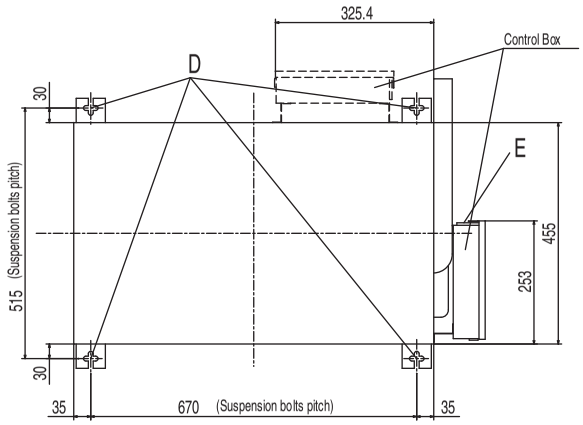


Symbol	Content		
A	Gas piping	Model	25.35 : φ9.52 (3/8") (Flare)
			50 : φ12.7 (1/2") (Flare)
B	Liquid piping		φ6.35 (1/4") (Flare)
C	Hole on wall for right rear piping		(φ65)
D	Hole on wall for left rear piping		(φ65)
E	Drain hose		VP16
F	Screw point fasten the indoor unit		φ5
G	Outlet for piping (on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

RFB000Z004

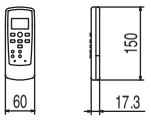
(c) Ceiling concealed type (SRR)

Models SRR25ZJ-S, 35ZJ-S

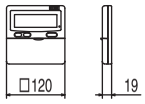


Symbol	Content	
A	Gas piping	φ9.52 (3/8") (Flare)
B	Liquid piping	φ6.35 (1/4") (Flare)
C	Drain piping	VP16
D	Suspension bolts	(M8)
E	Power supply intake	(φ35)

Wireless remote controller



Wired remote controller (Option)



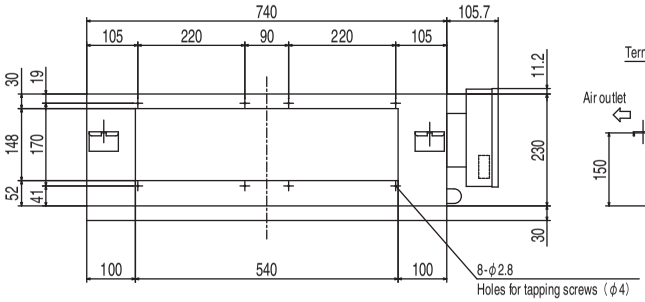


FIG.A

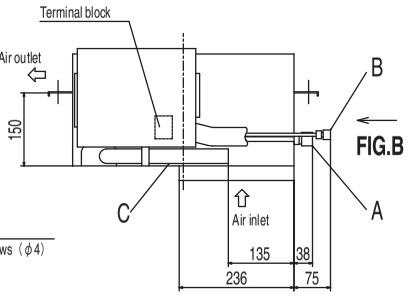
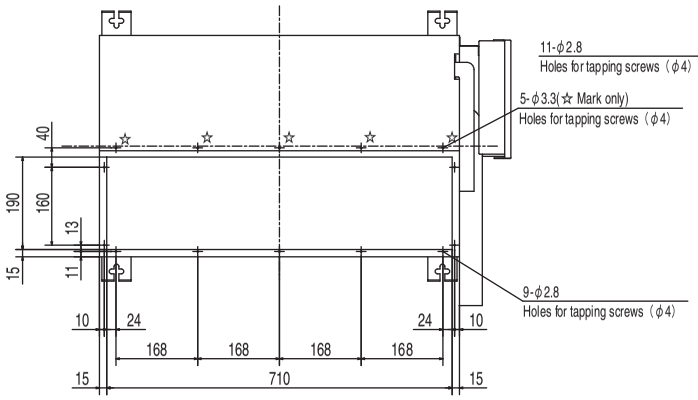


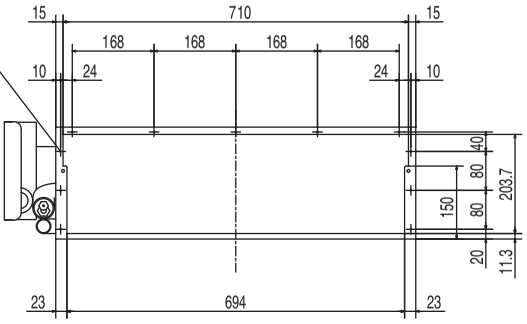
FIG.B

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.

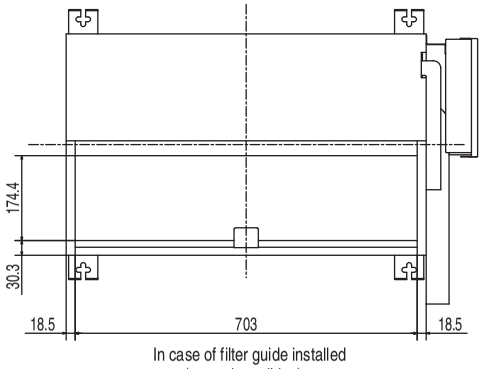
Unit:mm



In case of filter guide taken off

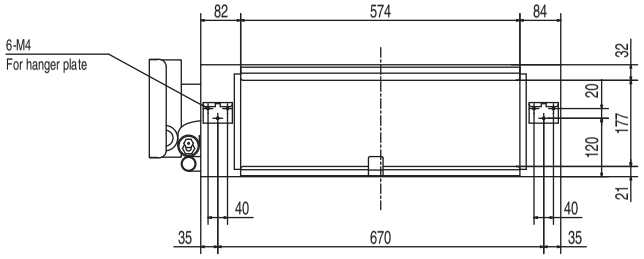


In case of rear panel taken off



In case of filter guide installed (normal condition)

FIG.A
(Air inlet from lower)



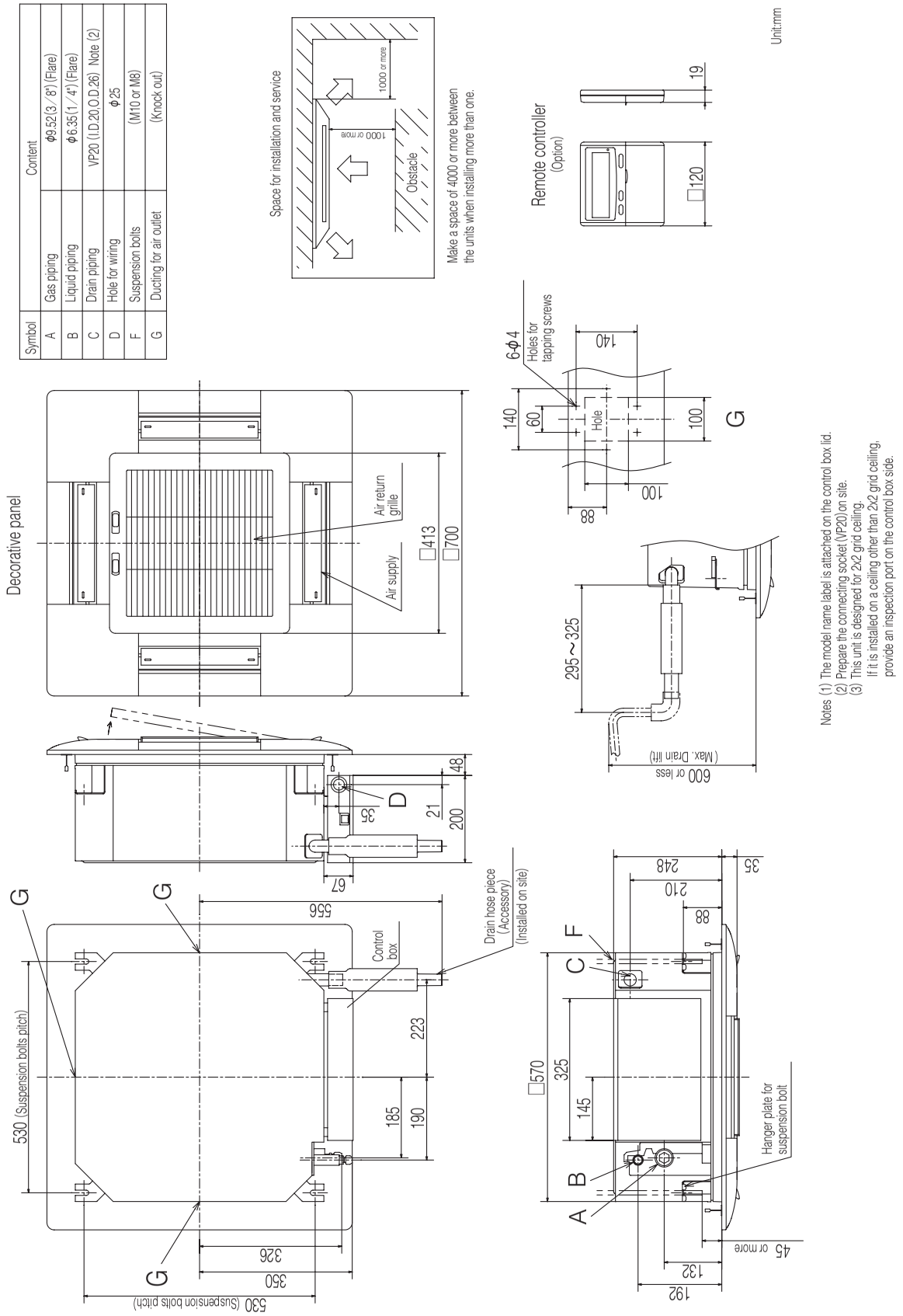
In case of filter guide installed (option)

FIG.B
(Air inlet from rear)

RJD000Z502 A

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

Models FDTC25VD, 35VD



PJA003Z338 B

(2) Outdoor units
Model SRC50ZJ-S

Notes
(1) It must not be surrounded by walls on the four sides.
(2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more the 15mm.
(3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
(4) Leave 1m or more space above the unit.
(5) A wall in front of the blower outlet must not exceed the units height.
(6) The model name label is attached on the right side of the unit.

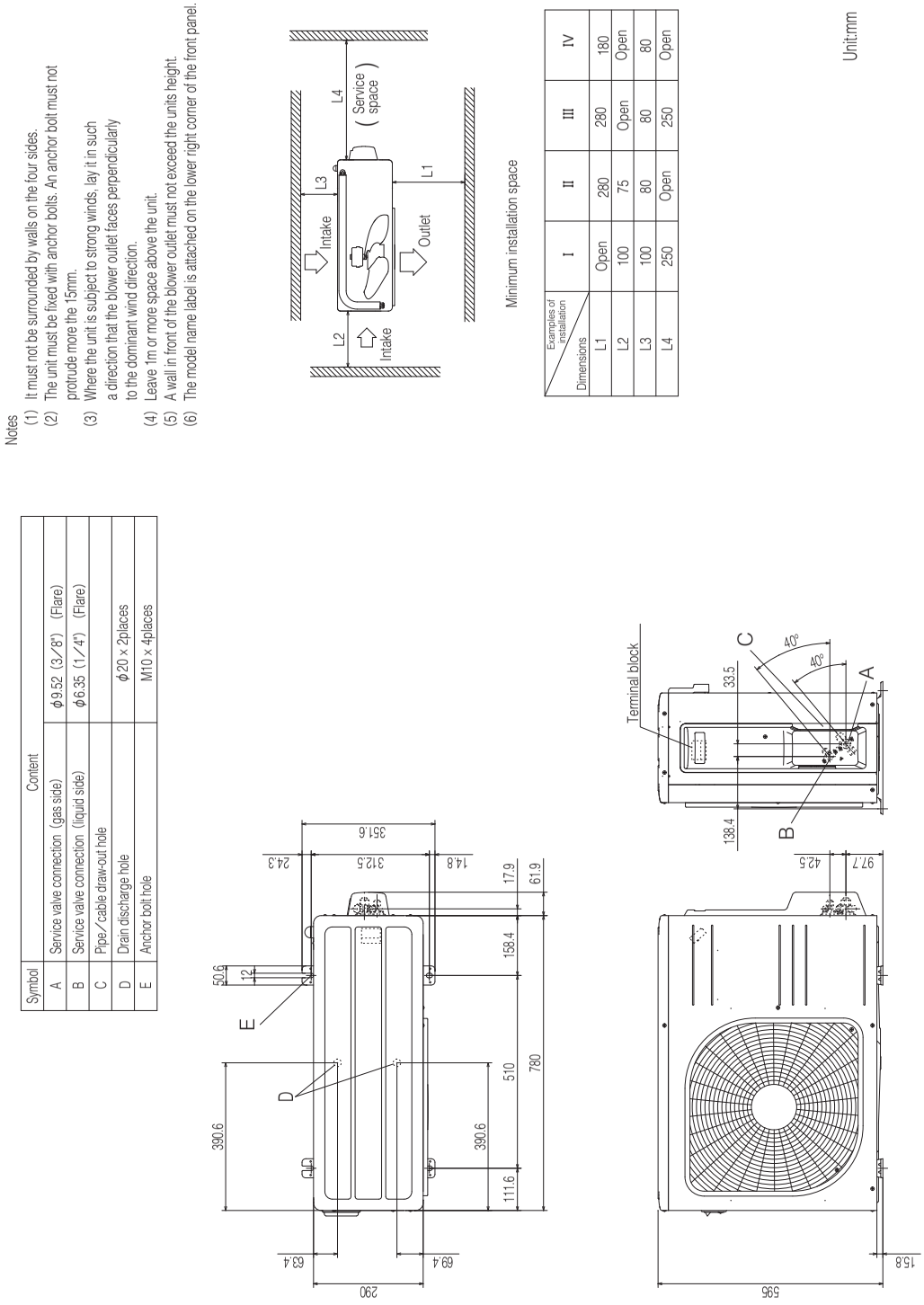
Minimum installation space

Examples of installation / Dimensions	I	II	III	IV
L1	Open	280	280	180
L2	100	75	Open	Open
L3	100	80	80	80
L4	250	Open	250	Open

Unit:mm

Symbol	Content	
A	Service valve connection (gas side)	ϕ12.7 (1/2") (Flare)
B	Service valve connection (liquid side)	ϕ6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	ϕ20 × 5places
E	Anchor bolt hole	M10 × 4places

Models SRC20ZJX-S, 25ZJX-S, 35ZJX-S



RCV000Z007 A

Notes
(1) It must not be surrounded by walls on the four sides.
(2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more the 15mm.
(3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
(4) Leave 1m or more space above the unit.
(5) A wall in front of the blower outlet must not exceed the units height.
(6) The model name label is attached on the lower right corner of the front panel.

Minimum installation space

Examples of installation / Dimensions	I	II	III	IV
L1	Open	280	280	180
L2	100	75	Open	Open
L3	100	80	80	80
L4	250	Open	250	Open

Unit:mm

Symbol	Content	
A	Service valve connection (gas side)	ϕ12.7 (1/2") (Flare)
B	Service valve connection (liquid side)	ϕ6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	ϕ20 × 5places
E	Anchor bolt hole	M10 × 4places

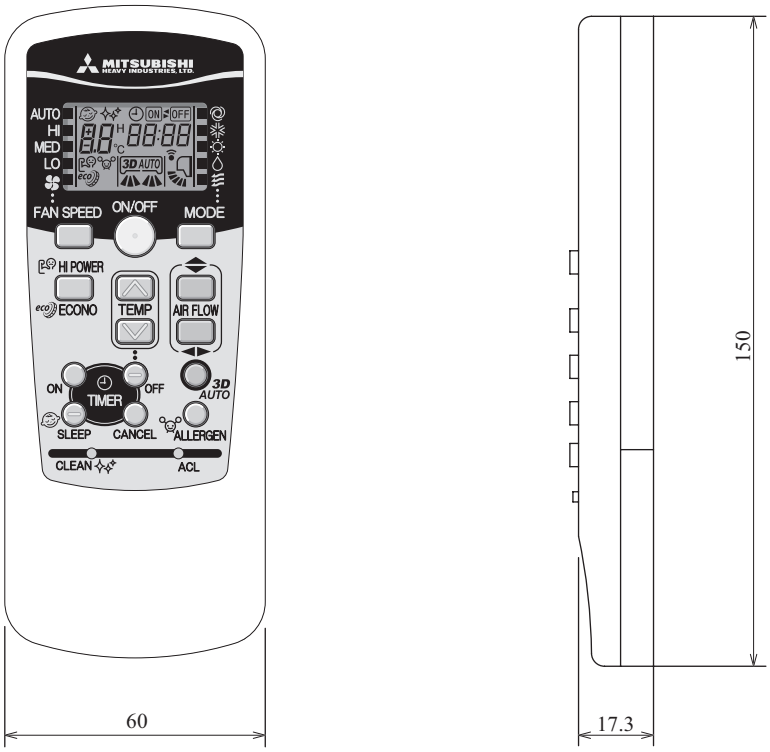
(3) Remote controller

(a) Wireless remote controller

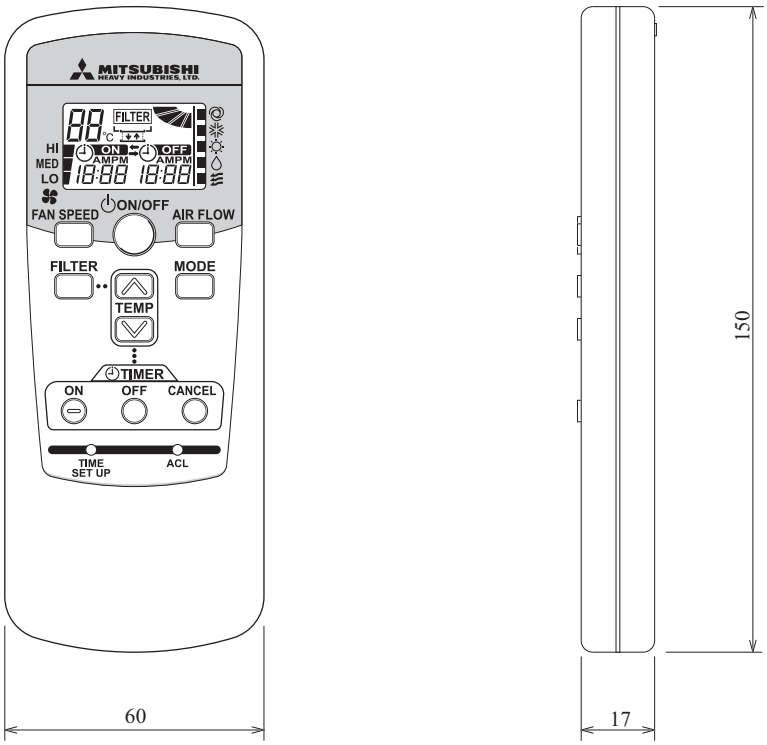
Models SRK, SRF, SRR

•The wireiess remote controller in the following figure shows for the SRK-50ZJ-S type.

Unit: mm

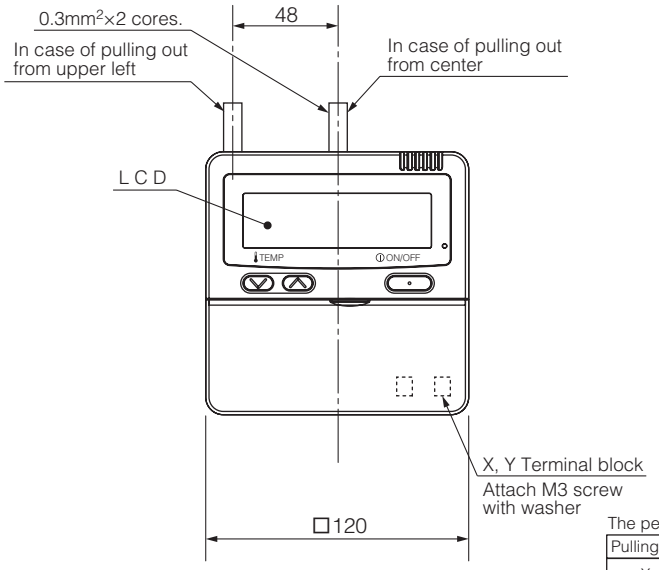


Model FDTC (Option parts)

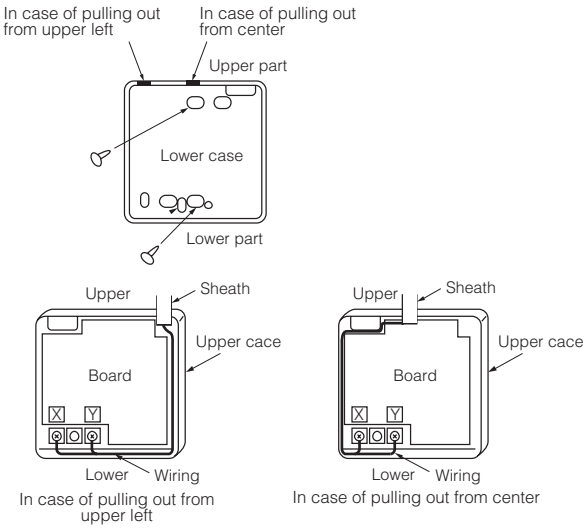


(b) Wired remote controller (option parts)

Exposed mounting

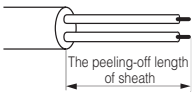


Wiring outlet
Cut off the upper thin part of remote control lower case with a nipper or knife, and grind burrs with a file etc.

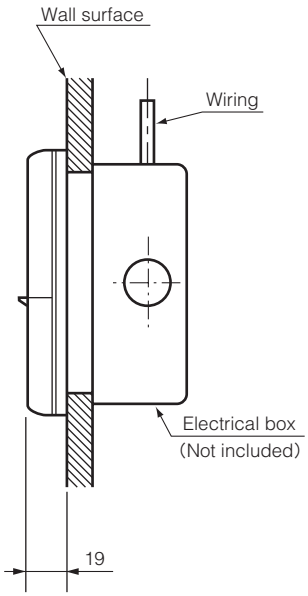


The peeling-off length of sheath

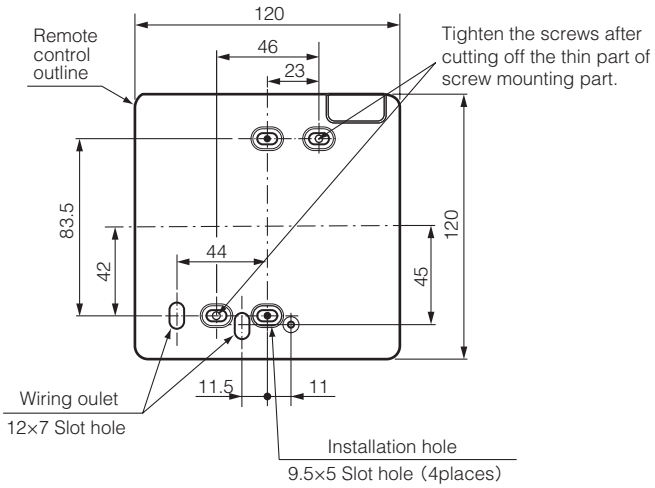
Pulling out from upper left	Pulling out from center
X wiring : 215mm Y wiring : 195mm	X wiring : 170mm Y wiring : 190mm



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

3. ELECTRICAL WIRING

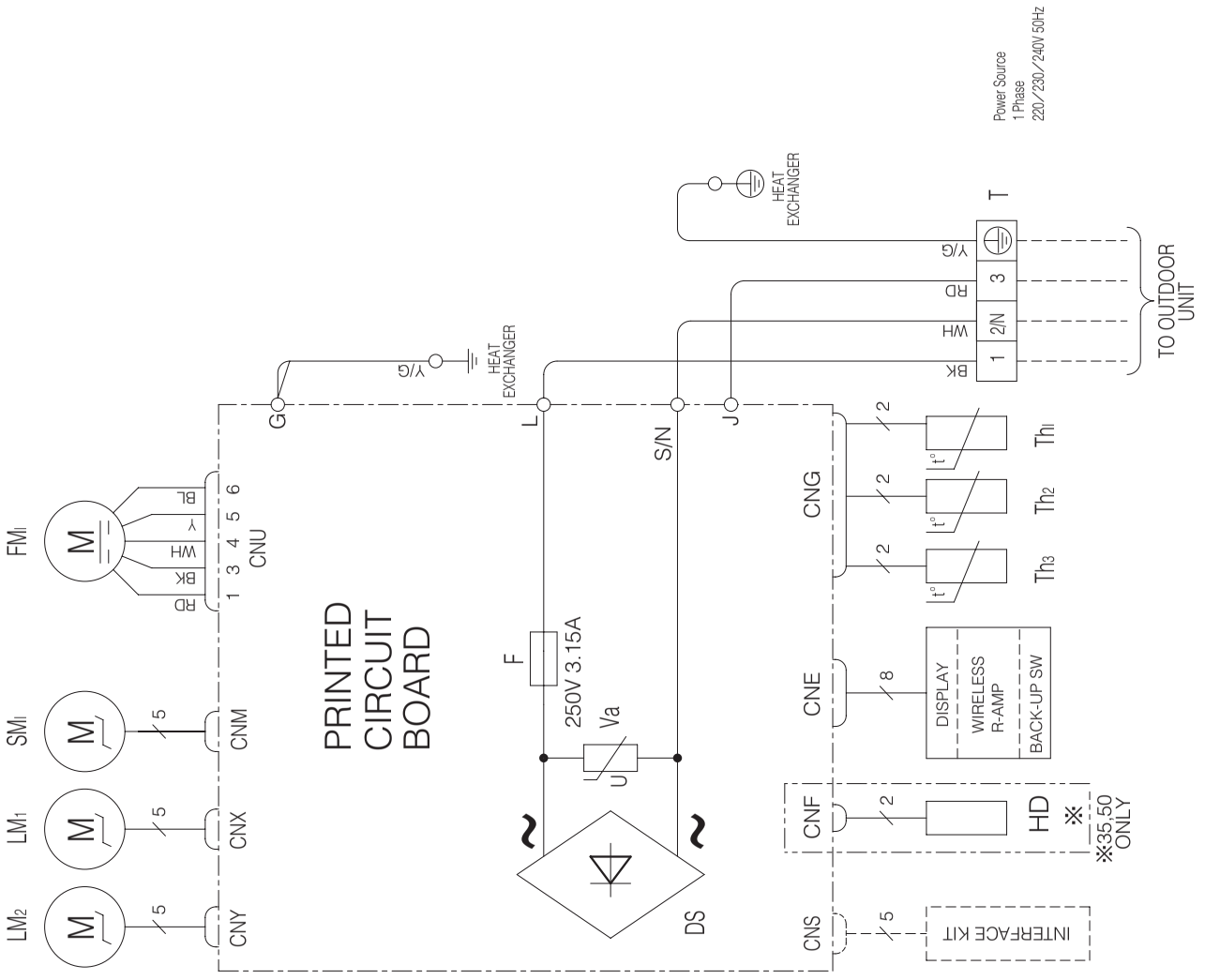
(1) Indoor units

(a) Wall mounted type (SRK)

Model SRK50ZJ-S

Item	Description
CNE-CNY	Connector
FM_I	Fan motor
SM_I	Flap motor
$LM_{1,2}$	Louver motor
HD	Humidity sensor
Th_I	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



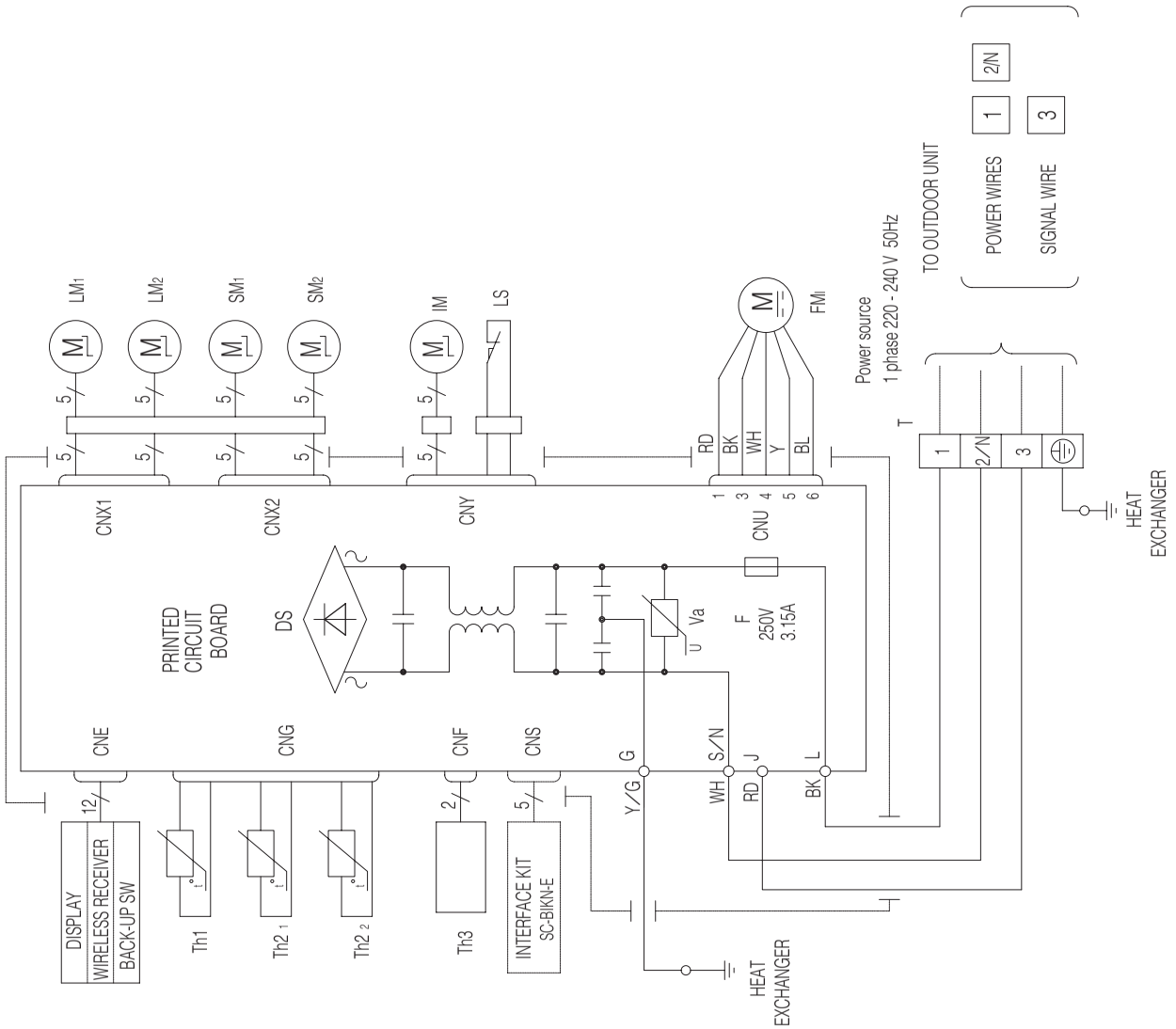
RWA000Z226

Models SRK20ZJX-S, 25ZJX-S, 35ZJX-S, 50ZJX-S, 60ZJX-S

Item	Description
CNE-CNY	Connector
FM1	Fan motor
SM1,2	Flap motor
LM1,2	Louver motor
IM	Inlet motor
Th1	Room temp. sensor
Th2 1,2	Heat exch. sensor
Th3	Humidity sensor (50,60 only)
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

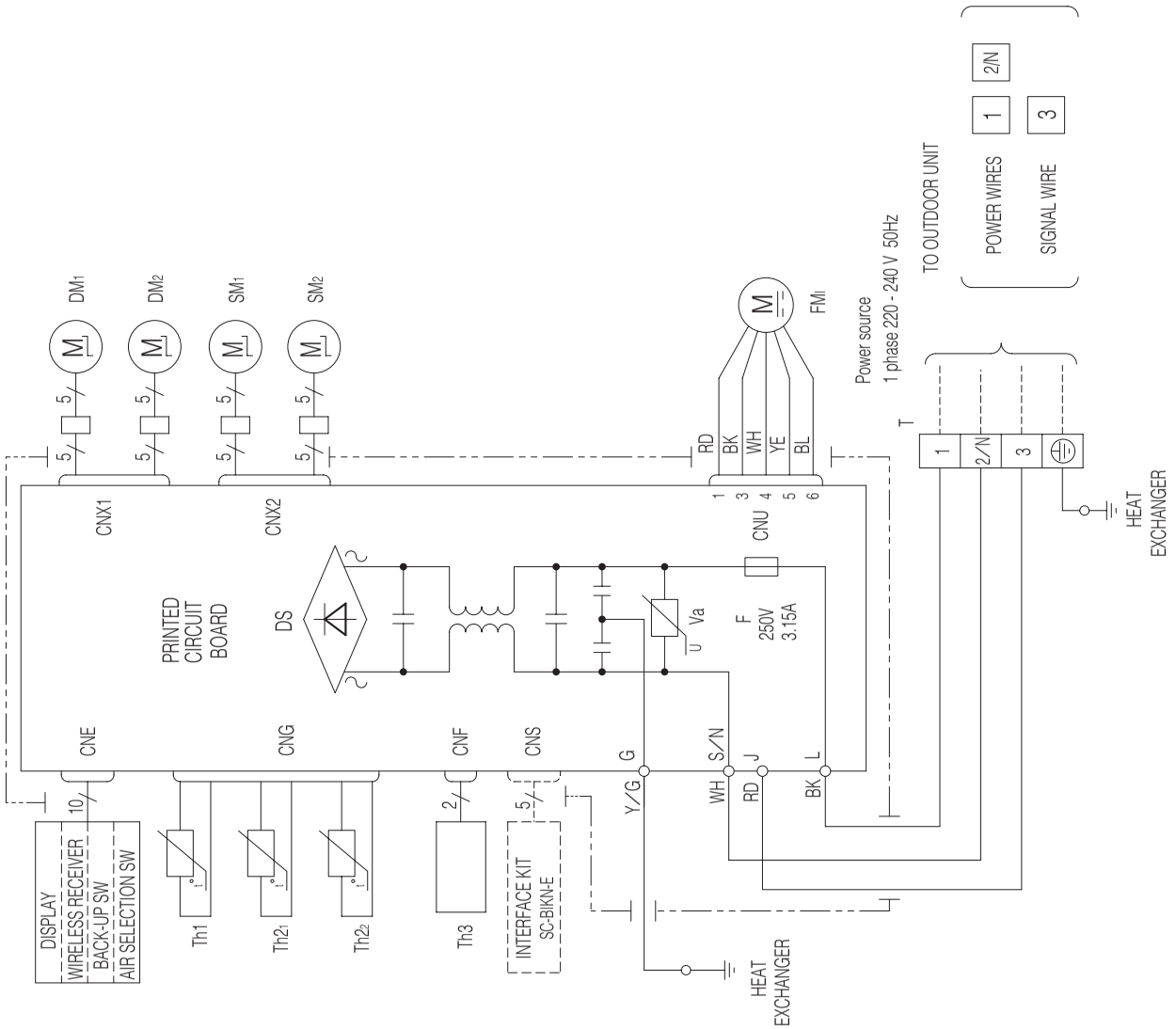
(b) Floor standing type (SRF)

Models SRF25ZJX-S, 35ZJX-S, 50ZJX-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

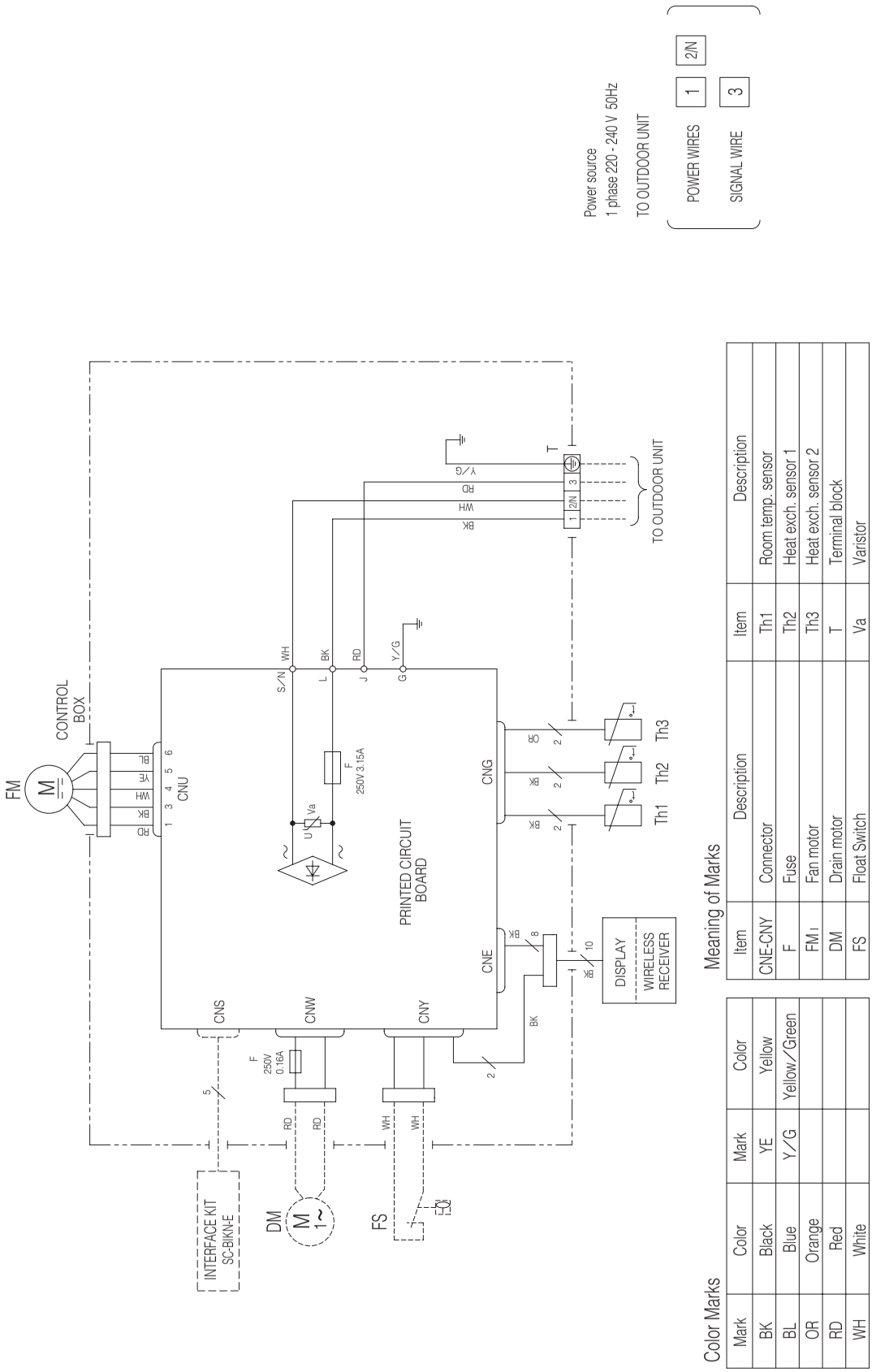
Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
YE	Yellow
Y/G	Yellow/Green



RWB000Z052

(c) Ceiling concealed type (SRR)

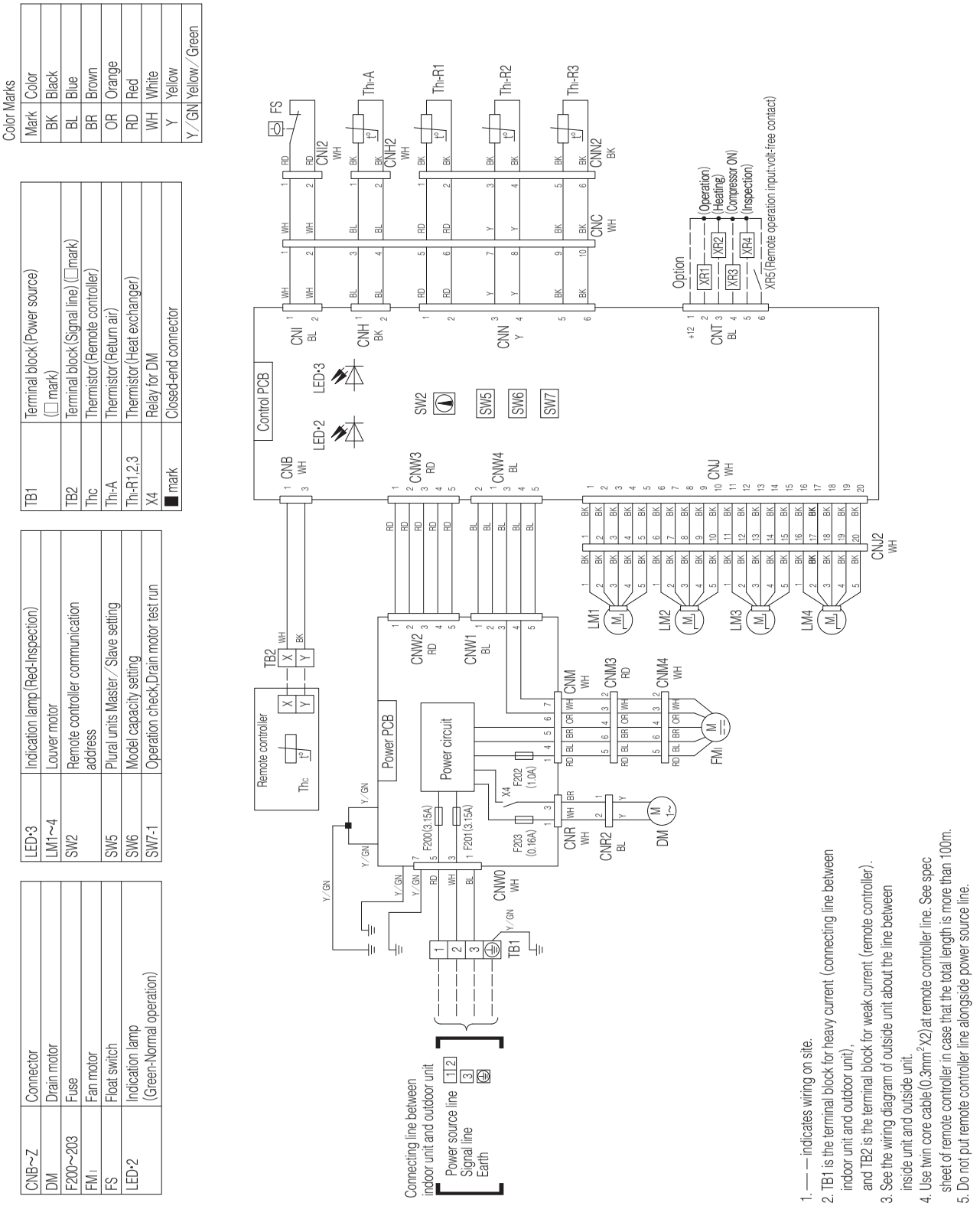
Models SRR25ZJ-S, 35ZJ-S



RWA000Z230

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

Models FDTC25VD, 35VD



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.

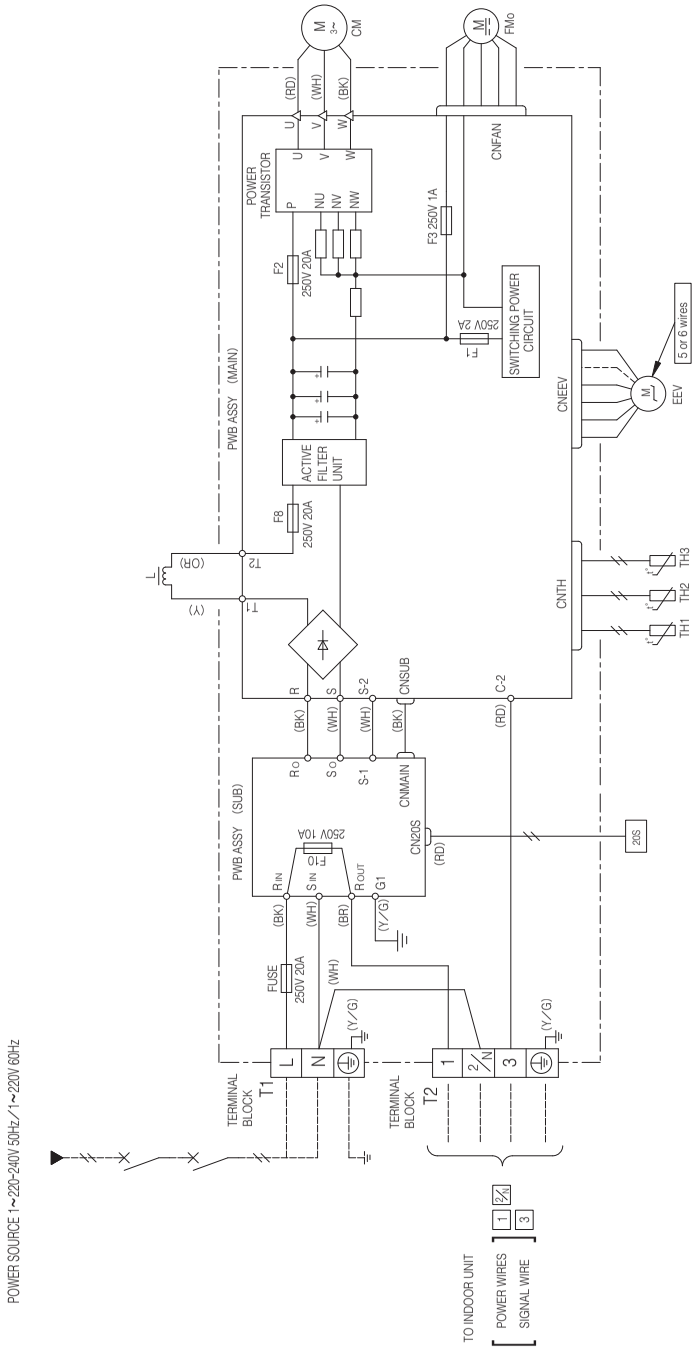
PJA003Z340 B

(2) Outdoor units

Model SRC50ZJ-S

Item	Description
CM	Compressor motor
CNEEV~CN20S	Connector
EEV	Electric expansion valve (coil)
FMo	Fan motor
L	Reactor
T1,2	Terminal block
TH1	Heat exchanger sensor (outdoor unit)
TH2	Outdoor air temp.sensor
TH3	Discharge pipe temp.sensor
20S	Solenoid valve for 4 way valve

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



Power cable, indoor-outdoor connecting wires

Model	MAX running current (A)	Power cable size (mm^2)	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm)
50	14	2.0	18	ϕ1.6mm x 3	ϕ1.6mm

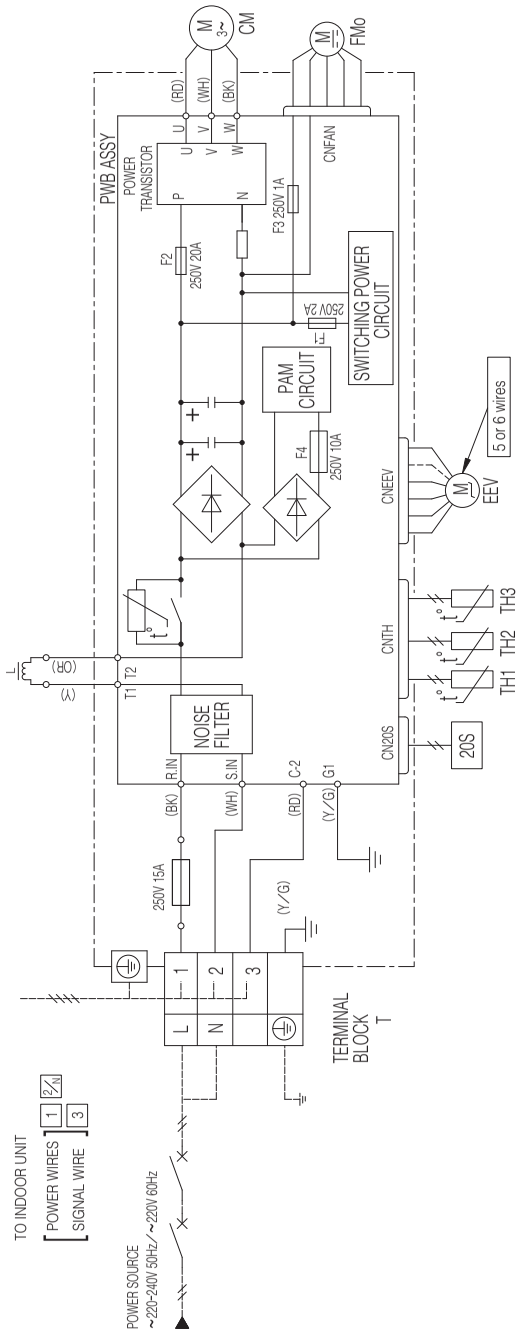
- The specifications shown in the above table are for units without heaters. For units with heaters, refer to the installation instructions or the construction instructions of the indoor unit.
- Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.
- 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.

RWC000Z228 A

Models SRC20ZJX-S, 25ZJX-S, 35ZJX-S

Item	Description
CM	Compressor motor
CN20S CNTH CNEEV CNFAN	Connector
EEV	Electric expansion valve (coil)
FMo	Fan motor
L	Reactor
T	Terminal block
TH1	Heat exchanger sensor (outdoor unit)
TH2	Outdoor air temp.sensor
TH3	Discharge pipe temp.sensor
20S	Solenoid valve for 4 way valve

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



Power cable, indoor-outdoor connecting wires

Model	MAX running current (A)	Power cable size (mm^2)	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm)
20	8	2.0	32	ϕ 1.6mm x 3	ϕ 1.6mm
25					
35					

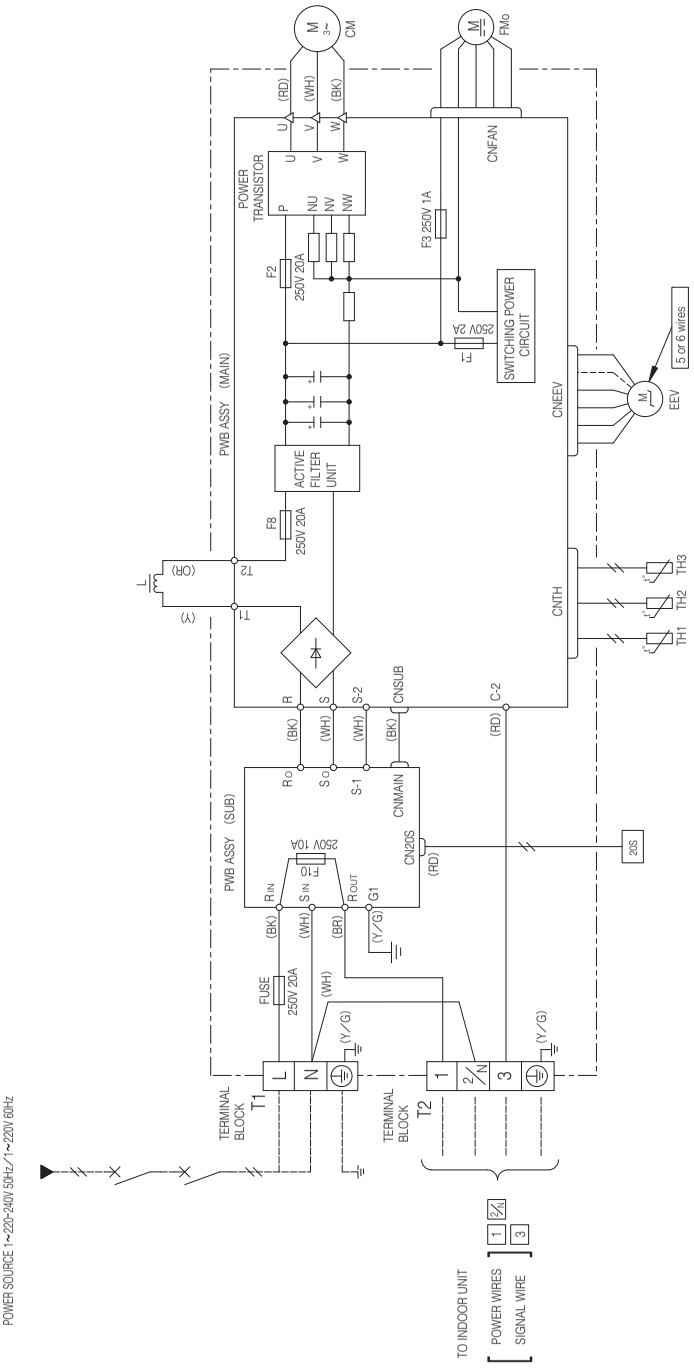
- The specifications shown in the above table are for units without heaters. For units with heaters, refer to the installation instructions or the construction instructions of the indoor unit.
- Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.
- 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.

RWC000Z227 A

Models SRC50ZIX-S, 60ZIX-S

Item	Description
CM	Compressor motor
CNEEV~20S	Connector
EEV	Electric expansion valve (coil)
FMo	Fan motor
L	Reactor
T1,2	Terminal block
TH1	Heat exchanger sensor (outdoor unit)
TH2	Outdoor air temp.sensor
TH3	Discharge pipe temp.sensor
20S	Solenoid valve for 4 way valve

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



Power cable, indoor-outdoor connecting wires

Model	MAX running current (A)	Power cable size (mm^2)	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm)
40	12	2.0	21	φ1.6mm x 3	φ1.6mm
50	14		18		
60					

- The specifications shown in the above table are for units without heaters. For units with heaters, refer to the installation instructions or the construction instructions of the indoor unit.
- Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.
- 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.

RWC000Z214 A

INVERTER RESIDENTIAL AIR CONDITIONERS

MITSUBISHI HEAVY INDUSTRIES, LTD.

Air-Conditioning & Refrigeration Systems Headquarters
16-5, 2-chome, Kounan, Minato-ku, Tokyo, 108-8215, Japan
Fax : (03) 6716-5926