

MHI

Manual No. '08 • SRK/SRF - DB - 081

DATA BOOK

INVERTER WALL MOUNTED TYPE AND FLOOR STANDING TYPE ROOM AIR-CONDITIONER (Split system, air to air heat pump type)

Wall mounted type

SRK20ZIX-S

25ZIX-S

35ZIX-S

50ZIX-S

60ZIX-S

Floor standing type

SRF25ZIX-S

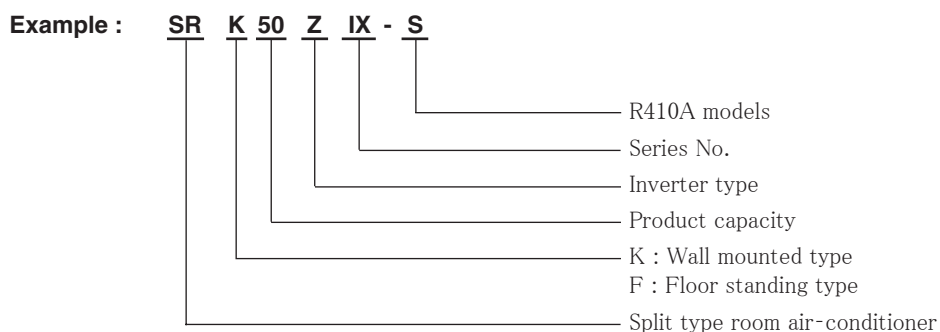
35ZIX-S

50ZIX-S

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■ How to read the model name



1 RANGE OF USAGE & LIMITATIONS

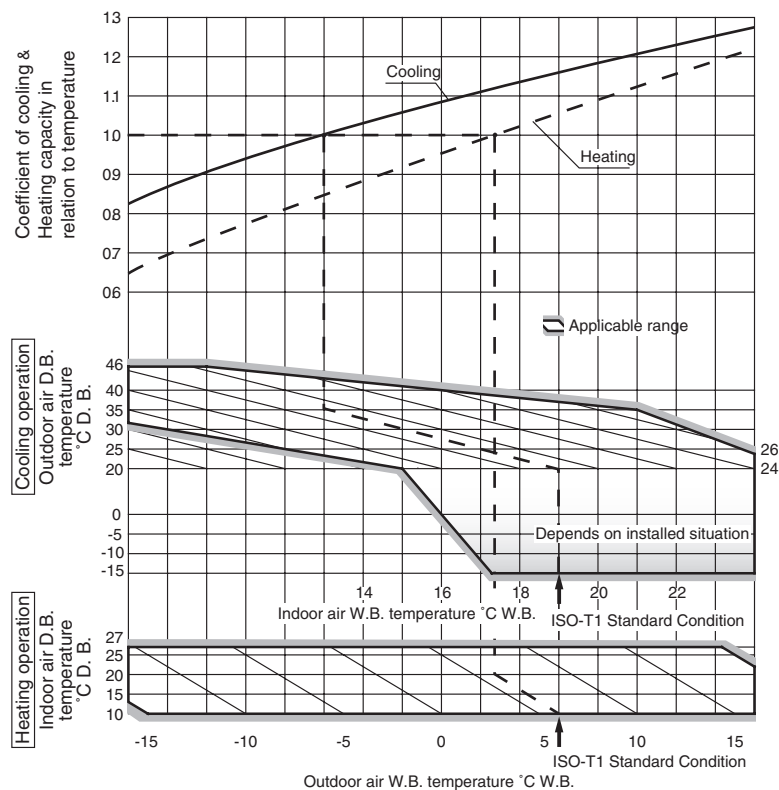
Item	Models	SRK20ZIX-S, 25ZIX-S, 35ZIX-S SRF25ZIX-S, 35ZIX-S	SRK50ZIX-S, 60ZIX-S SRF50ZIX-S
Indoor return air temperature (Upper, lower limits)	Cooling operation : Approximately 18 to 32°C D.B. Heating operation : Approximately 15 to 30°C D.B. (Refer to the selection chart)		
Outdoor air temperature (Upper, lower limits)	Cooling operation : Approximately -15 to 46°C D.B. Heating operation : Approximately -15 to 21°C D.B. (Refer to the selection chart)		
Refrigerant line (one way) length	Max. 15m	Max. 30m	
Vertical height difference between outdoor unit and indoor unit	Max. 10m (Outdoor unit is higher) Max. 10m (Outdoor unit is lower)	Max. 20m (Outdoor unit is higher) Max. 20m (Outdoor unit is lower)	
Power source voltage	Rating ±10%		
Voltage at starting	Min. 85% of rating		
Frequency of ON-OFF cycle	Max. 4 times/h (Inching prevention 10 minutes)	Max. 7 times/h (Inching prevention 5 minutes)	
ON and OFF interval	Min. 3 minutes		

Selection chart

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	30
Cooling	1.0	0.99	0.975	0.965	0.95	0.935
Heating	1.0	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 °CWB	-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 SRK60ZIX-S with the piping length of 15m, indoor wet-bulb temperature at 19.0°C and outdoor dry-bulb temperature 35°C is Net cooling capacity =

$$\begin{array}{ccccccc} \frac{6000}{\uparrow} & \times & \frac{0.975}{\uparrow} & \times & \frac{1.0}{\uparrow} & = & 5850 \text{ W} \\ \text{SRK60ZIX-S} & & \text{Length 15m} & & \text{Factor by air} & & \\ & & & & \text{temperatures} & & \end{array}$$


2 INDOOR UNIT

2.1 Wall mounted type (SRK)


(1) Specifications

Adapted to RoHS directive


Item		Model		SRK20ZIX-S				
				Indoor unit SRK20ZIX-S		Outdoor unit SRC20ZIX-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		0.35 (0.19 ~ 0.70)				
		Heating		0.45 (0.23 ~ 1.00)				
	Running current	Cooling		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		590 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 (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				Tangential fan x 1		Propeller fan x 1	
	Motor		W		27		24	
	Air flow	Colling	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		—	
	Insulation for piping				Necessary (Both sides), independent			
	Refrigerant line (one way)length				Max.15			
Vertical height difference between outdoor unit and indoor unit		m		Max.10 (Outdoor unit is higher)		Max.10 (Outdoor unit is lower)		
Drain hose				Connectable (VP 16)		—		
Power cable				—				
Recommended breaker size		A		16				
Connection wiring	Size x Core numbe				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)				
Exterior dimensions drawing number				RKY000Z052		RCV000Z004		
Electrical wiring drawing number				RWA000Z215		RWC000Z213		
Notes (1) The data are measured at the following conditions.				The pipe length is 7.5m.				
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards		
		DB	WB	DB	WB	ISO-T1 , JIS C 9612		
	Cooling	27°C	19°C	35°C	24°C			
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.)								

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Item		Model		SRK25ZIX-S		
		Indoor unit	SRK25ZIX-S	Outdoor unit	SRC25ZIX-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
			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		590 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 (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			Tangential fan x 1		Propeller fan x 1
	Motor		W	27		24
	Air flow	Colling	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: ϕ 6.35 (1/4") Gas line: ϕ 9.52 (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			Max.15		
Vertical height difference between outdoor unit and indoor unit		m	Max.10 (Outdoor unit is higher) Max.10 (Outdoor unit is lower)			
Drain hose			Connectable (VP 16)		—	
Power cable			—			
Recommended breaker size		A	16			
Connection wiring	Size x Core numbe		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)				
Exterior dimensions drawing number			RKY000Z052		RCV000Z004	
Electrical wiring drawing number			RWA000Z215		RWC000Z213	
Notes (1) The data are measured at the following conditions. The pipe length is 7.5m.						
	Item	Indoor air temperature		Outdoor air temperature		Standards
Operation		DB	WB	DB	WB	ISO-T1 , JIS C 9612
Cooling		27°C	19°C	35°C	24°C	
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.)						

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Item		Model		SRK35ZIX-S		
		Indoor unit	SRK35ZIX-S	Outdoor unit	SRC35ZIX-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
			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		590 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 (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			Tangential fan x 1		Propeller fan x 1
	Motor		W	27		24
	Air flow	Colling	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: φ 6.35 (1/4") Gas line: φ 9.52 (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			Max.15		
Vertical height difference between outdoor unit and indoor unit		m	Max.10 (Outdoor unit is higher) Max.10 (Outdoor unit is lower)			
Drain hose			Connectable (VP 16)		—	
Power cable			—			
Recommended breaker size		A	16			
Connection wiring	Size x Core numbe		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)			
Exterior dimensions drawing number			RKY000Z052		RCV000Z004	
Electrical wiring drawing number			RWA000Z215		RWC000Z213	
Notes (1) The data are measured at the following conditions. The pipe length is 7.5m.						
	Item	Indoor air temperature		Outdoor air temperature		Standards
Operation		DB	WB	DB	WB	
Cooling		27°C	19°C	35°C	24°C	
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.)						

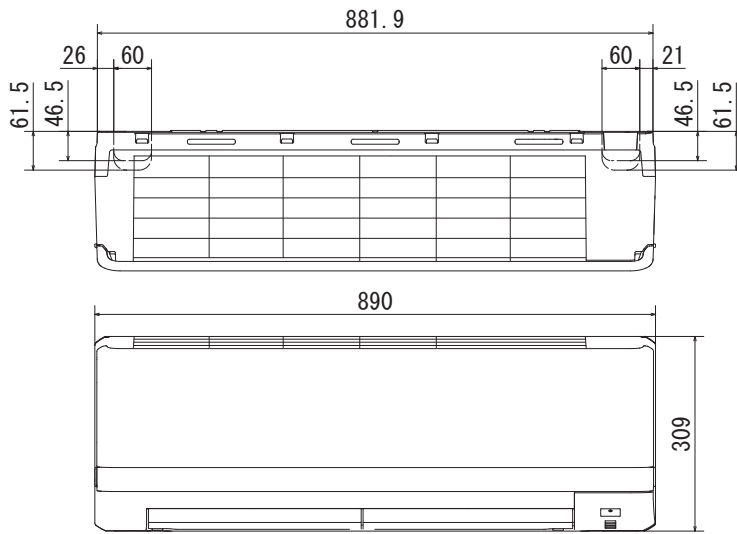
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Item			Model		SRK50ZIX-S		
			Indoor unit	SRK50ZIX-S	Outdoor unit	SRC50ZIX-S	
Cooling capacity (1)			W	5000 (700 (Min.) ~ 6200 (Max.))			
Heating capacity (1)			W	6000 (700 (Min.) ~ 8800 (Max.))			
Power supply				1 Phase, 220 ~ 240 V, 50Hz			
Operation 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			3.85			
				4.44			
	Noise level	Cooling	Sound level	dB (A)	Hi: 45 Me: 38 Lo: 26	48	
			Power level		60	62	
		Heating	Sound level	dB (A)	Hi: 45 Me: 38 Lo: 32	48	
Power level			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	Colling	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: φ6.35 (1/4") Gas line: φ12.7 (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			Max.30				
Vertical height difference between outdoor unit and indoor unit		m	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 numbe			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)			
Exterior dimensions drawing number				RKY000Z052		RCT000Z004	
Electrical wiring drawing number				RWA000Z215		RWC000Z214	
Notes (1) The data are measured at the following conditions.				The pipe length is 7.5m.			
	Item	Indoor air temperature	Outdoor air temperature	Standards			
Operation		DB	WB	DB	WB	ISO-T1 , JIS C 9612	
	Cooling	27°C	19°C	35°C	24°C		
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.)							

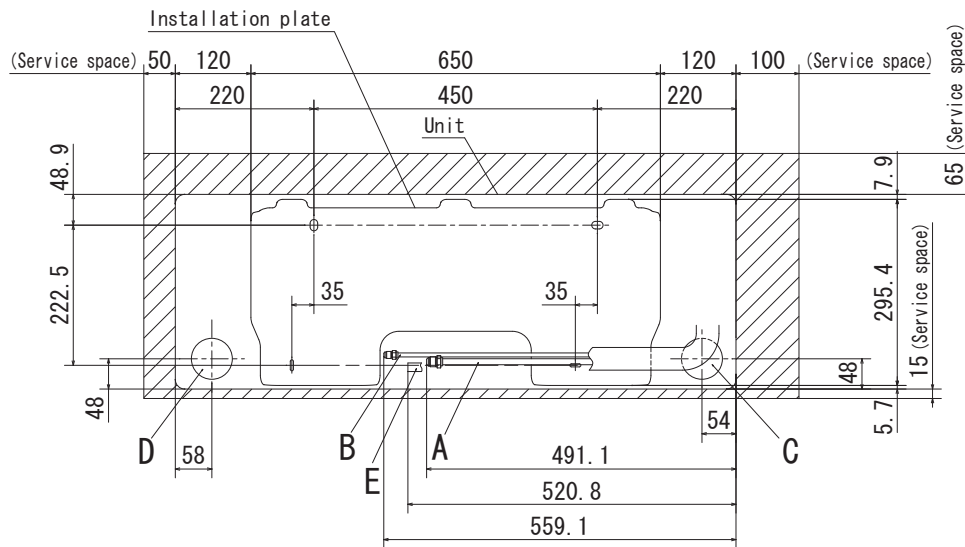
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Item			Model		SRK60ZIX-S		
			Indoor unit	SRK60ZIX-S	Outdoor unit	SRC60ZIX-S	
Cooling capacity (1)			W	6000 (800 (Min.) ~ 6800 (Max.))			
Heating capacity (1)			W	6800 (800 (Min.) ~ 9700 (Max.))			
Power supply				1 Phase, 220 ~ 240 V, 50Hz			
Operation 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
			Power level	dB	62		
		Heating	Sound level	dB (A)	Hi: 45	Me: 39	Lo: 33
Power level			dB	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	—		0.90 (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	Colling	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: φ6.35 (1/4") Gas line: φ12.7 (1/2")			
	connecting method			Flare connecting			
	Attached length of piping		m	Liquid line : 0.55		—	
	Insulation for piping			Necessary (Both sides), independent			
	Refrigerant line (one way)length			Max.30			
Vertical height difference between outdoor unit and indoor unit		m	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 numbe			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)			
Exterior dimensions drawing number				RKY000Z052		RCT000Z004	
Electrical wiring drawing number				RWA000Z215		RWC000Z214	
Notes (1) The data are measured at the following conditions. The pipe length is 7.5m.							
	Item	Indoor air temperature		Outdoor air temperature		Standards	
Operation	Cooling	DB	WB	DB	WB	ISO-T1 , JIS C 9612	
		27°C	19°C	35°C	24°C		
Heating	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.)							

RWA000Z214 

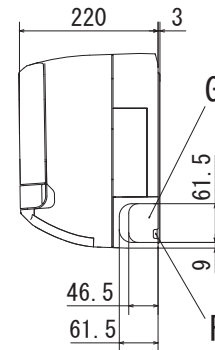


Outlet for down piping
(Refer to the above view)

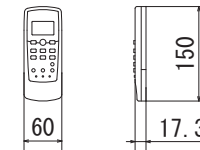


Space for installation and service when viewing from the front

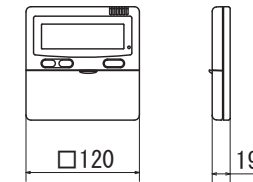
Symbol	Content	
A	Gas piping	Model 20~35 : $\phi 9.52$ (3/8") (Flare) 50,60 : $\phi 12.7$ (1/2") (Flare)
B	Liquid piping	$\phi 6.35$ (1/4") (Flare)
C	Hole on wall for right rear piping	($\phi 65$)
D	Hole on wall for left rear piping	($\phi 65$)
E	Drain hose	VP16
F	Outlet for wiring	
G	Outlet for piping (on both side)	



Wireless remote controller



Wired - remote controller
(Option)



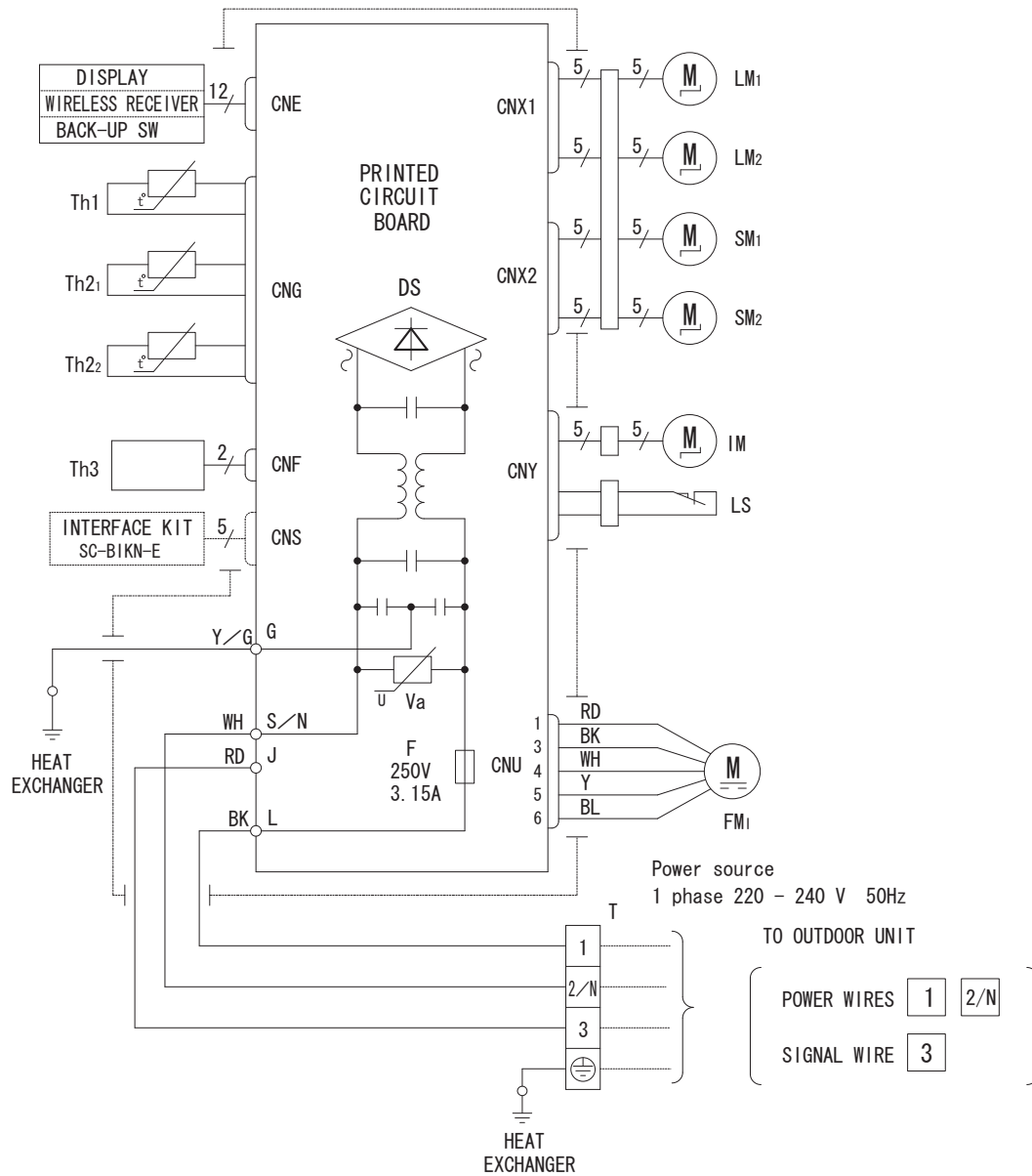
- Notes (1) The model name label is attached on the underside of the panel.
(2) It takes the interface kit (SC-BIKN-E) to connect the wired remote controller.

Unit:mm

(2) Exterior dimensions
Models SRK20ZIX-S, 25ZIX-S, 35ZIX-S, 50ZIX-S, 60ZIX-S

RKY000Z052

RWA000Z215



Item	Description
CNE-CNY	Connector
FM ₁	Fan motor
SM _{1,2}	Flap motor
LM _{1,2}	Louver motor
IM	Inlet motor
Th1	Room temp. sensor
Th _{2,2}	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

(3) Electrical wiring
Models SRK20ZIX-S, 25ZIX-S, 35ZIX-S, 50ZIX-S, 60ZIX-S

2.2 Floor standing type (SRF)

(1) Specifications

Adapted to RoHS directive

Item		Model		SRF25ZIX-S				
				Indoor unit SRF25ZIX-S		Outdoor unit SRC25ZIX-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: 38 Me: 31 Lo: 26		47	
			Power level		49		60	
		Heating	Sound level	dB (A)	Hi: 38 Me: 34 Lo: 28		47	
Power level			49		60			
Exterior dimensions (Height x Width x Depth)		mm		600 x 860 x 238		590 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		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			Max.15				
Vertical height difference between outdoor unit and indoor unit		m	Max.10 (Outdoor unit is higher)		Max.10 (Outdoor unit is lower)			
Drain hose			Connectable (VP 16)		—			
Power cable			—					
Recommended breaker size		A	16					
Connection wiring	Size x Core numbe		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)					
Exterior dimensions drawing number			RFB000Z002		RCV000Z004			
Electrical wiring drawing number			RWB000Z050		RWC000Z213			
Notes (1) The data are measured at the following conditions. The pipe length is 7.5m.								
	Item	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.)								

RWB000Z051

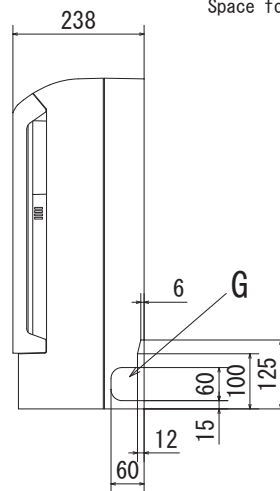
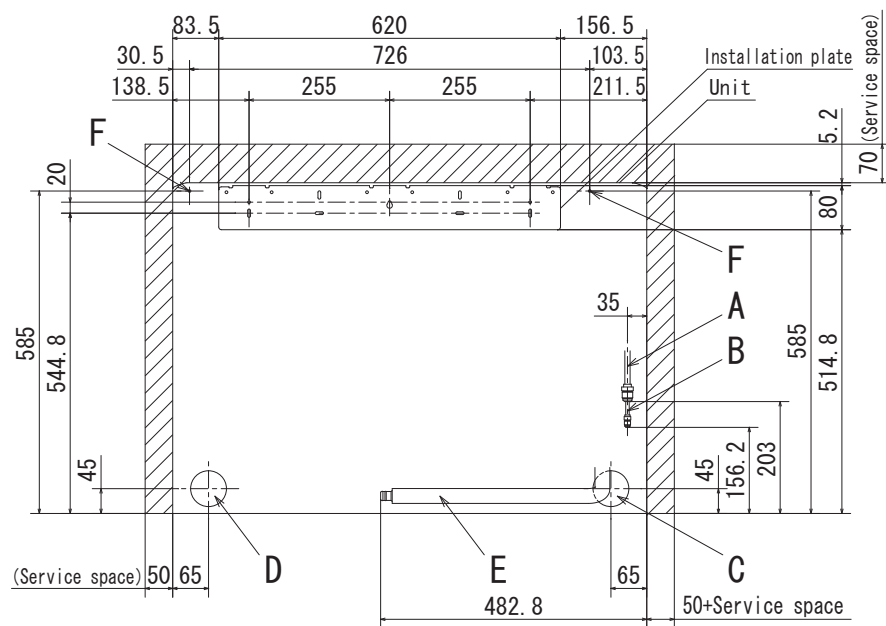
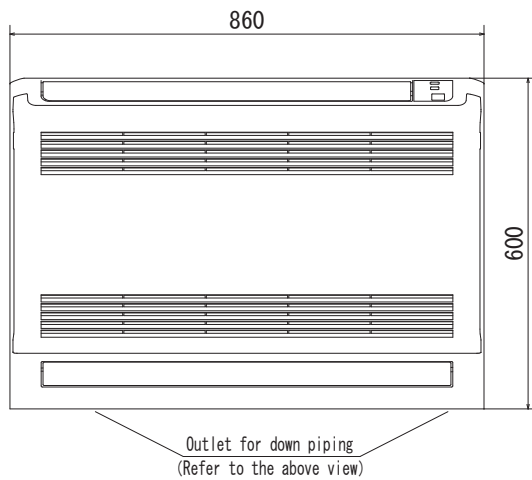
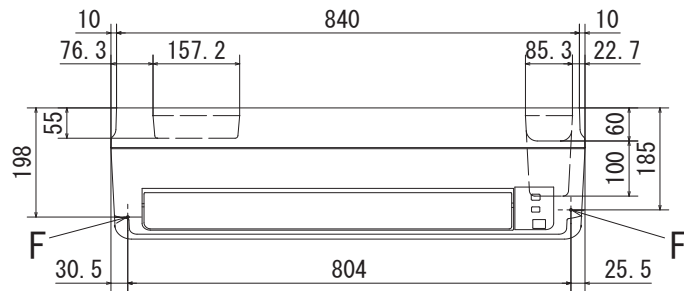
Item	Model		SRF35ZIX-S		SRC35ZIX-S	
	Indoor unit	SRF35ZIX-S	Outdoor unit	SRC35ZIX-S		
Cooling capacity (1)	W	3500 (900 (Min.) ~ 4100 (Max.))				
Heating capacity (1)	W	4500 (900 (Min.) ~ 5100 (Max.))				
Power supply	1 Phase, 220 ~ 240 V, 50Hz					
Operation data (1)	Power consumption	Cooling	kW	0.890 (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: 39 Me: 33 Lo: 28	50
			Power level		50	63
		Heating	Sound level	dB (A)	Hi: 39 Me: 35 Lo: 31	50
Power level			50		62	
Exterior dimensions (Height x Width x Depth)		mm	600 x 860 x 238		590 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	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 (VP 16)		—	
Power cable			—			
Recommended breaker size		A	16			
Connection wiring	Size x Core numbe		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)			
Exterior dimensions drawing number			RFB000Z002		RCV000Z004	
Electrical wiring drawing number			RWB000Z050		RWC000Z213	
Notes (1) The data are measured at the following conditions. The pipe length is 7.5m.						
	Item	Indoor air temperature		Outdoor air temperature		Standards
Operation		DB	WB	DB	WB	ISO-T1 , JIS C 9612
Cooling		27°C	19°C	35°C	24°C	
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.)						

RWB000Z051

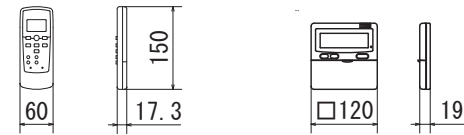
Item			Model			
			Indoor unit	Outdoor unit		
			SRF50ZIX-S			
			SRC50ZIX-S			
Cooling capacity (1)			W 5000 (700 (Min.) ~ 5500 (Max.))			
Heating capacity (1)			W 6000 (700 (Min.) ~ 7000 (Max.))			
Power supply			1 Phase, 220 ~ 240 V, 50Hz			
Operation data (1)	Power consumption	Cooling	kW	1.390 (0.2 ~ 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: 45 Me: 38 Lo: 30	48
			Power level		56	62
		Heating	Sound level	dB (A)	Hi: 45 Me: 38 Lo: 32	48
Power level			56		62	
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	Compressor type & Q'ty		—			
	Motor (Starting method)		KW —			
	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			
	Refrigerant control		Capillary tubes + Electronic expansion valve			
Deice 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	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			—			
Electric heater			Cushion rubber (for compressor)			
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			
	connecting method		Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")			
	Attached length of piping		Flare connecting			
	Insulation for piping		—			
	Refrigerant line (one way)length		Necessary (Both sides), independent			
Vertical height difference between outdoor unit and indoor unit		m Max.30				
Drain hose			Max.20 (Outdoor unit is higher)			
Power cable			Max.20 (Outdoor unit is lower)			
Recommended breaker size			A 16			
Connection wiring		Size x Core numbe				
		Connecting method				
		1.5mm ² x 4 cores (Including earth cable)				
		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)			
Exterior dimensions drawing number			RFB000Z002			
Electrical wiring drawing number			RWB000Z050			
			RCT000Z004			
			RWC000Z214			
Notes (1) The data are measured at the following conditions. The pipe length is 7.5m.						
	Item	Indoor air temperature		Outdoor air temperature		Standards
Operation		DB	WB	DB	WB	ISO-T1 , JIS C 9612
Cooling		27°C	19°C	35°C	24°C	
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.)						

RWB000Z051

Symbol	Content	
A	Gas piping	Model 25, 35 : $\phi 9.52$ (3/8") (Flare) 50 : $\phi 12.7$ (1/2") (Flare)
B	Liquid piping	$\phi 6.35$ (1/4") (Flare)
C	Hole on wall for right rear piping	($\phi 65$)
D	Hole on wall for left rear piping	($\phi 65$)
E	Drain hose	VP16
F	Screw point fasten the indoor unit	$\phi 5$
G	Outlet for piping (on both side)	



Wireless remote controller Wired remote controller
(Option)

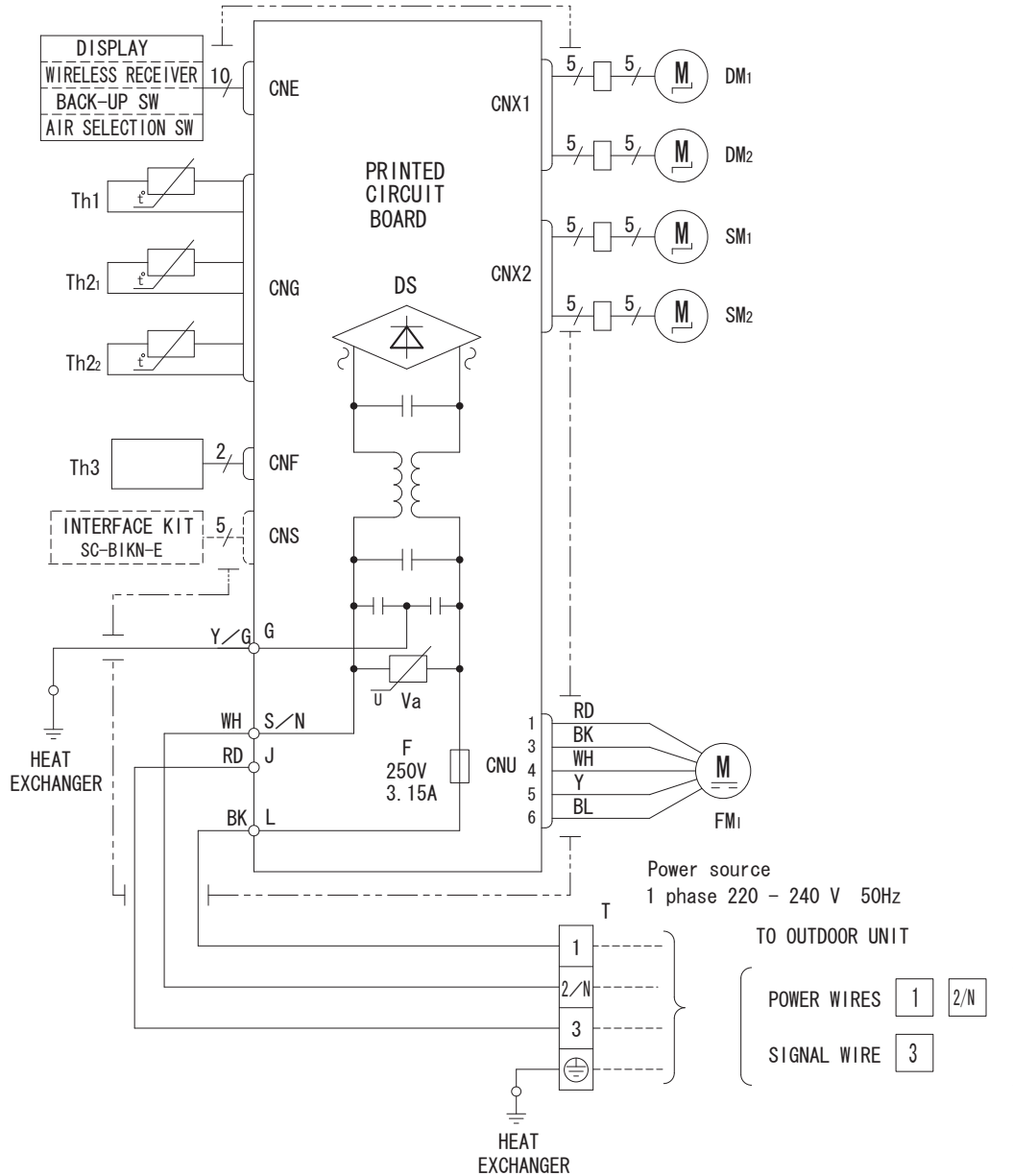


Notes

- (1) The model name label is attached on the rightside of the unit.
- (2) It takes the interface kit (SG-BIKN-E) to connect the wired remote controller.
- (3) In case of wall installation, leave the unit 150mm or less from the floor.

(2) Exterior dimensions
Models SRF25ZIX-S, 35ZIX-S, 50ZIX-S

RFB000Z002



RWB000Z050

Item	Description
CNE-CN2	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

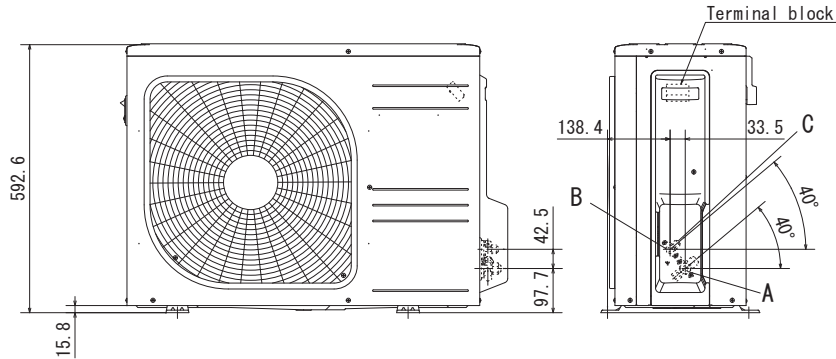
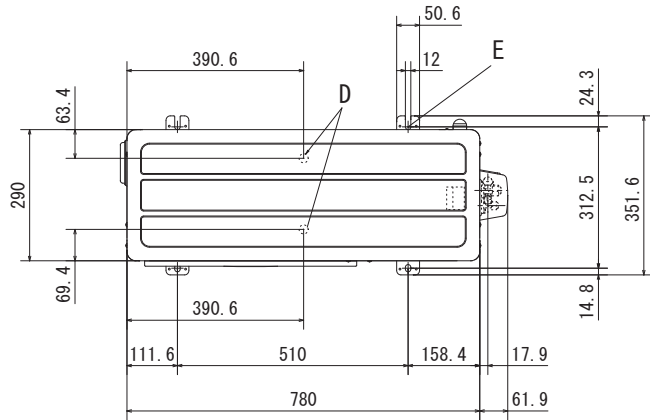
Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

(3) Electrical wiring
Models SRF25ZIX-S, 35ZIX-S, 50ZIX-S

3 OUTDOOR UNIT

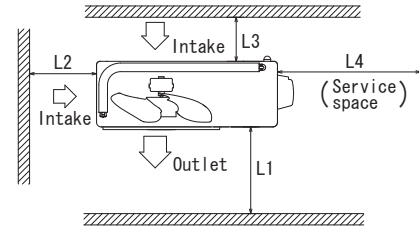
(1) Exterior dimensions
 Models SRC20ZIX-S, 25ZIX-S, 35ZIX-S

Symbol	Content	
A	Service valve connection (gas side)	φ9.52 (1/2") (Flare)
B	Service valve connection (liquid side)	φ6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	φ20×2places
E	Anchor bolt hole	M10×4places



Notes

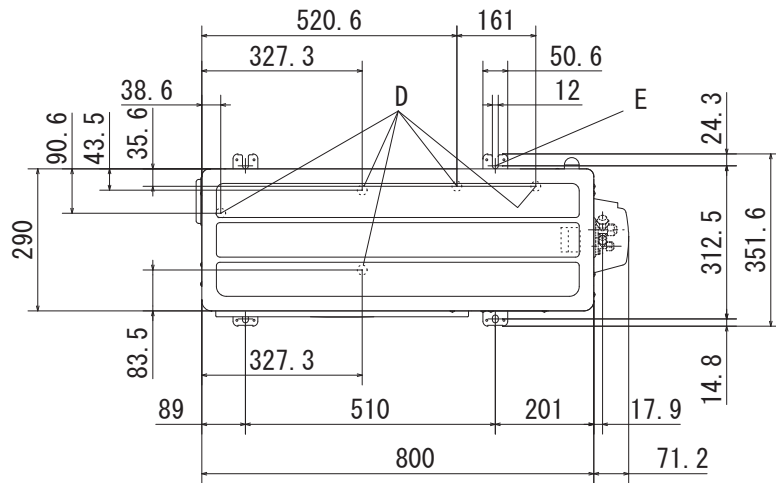
- (1) It must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
- (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.



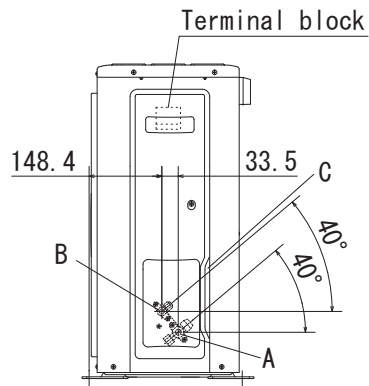
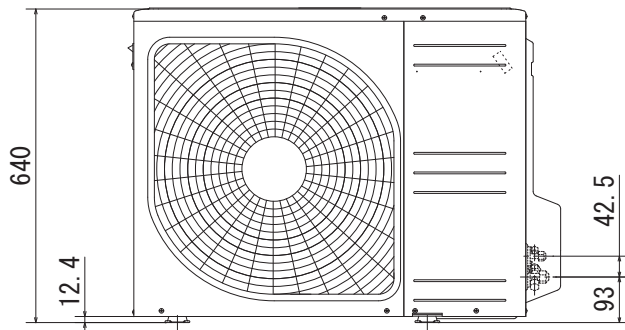
Minimum installation space

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

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

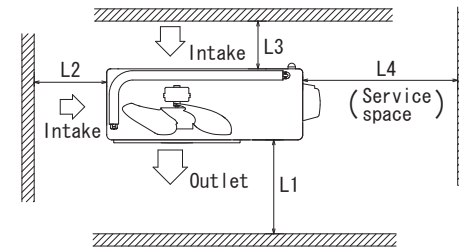


RCT000Z004



Notes

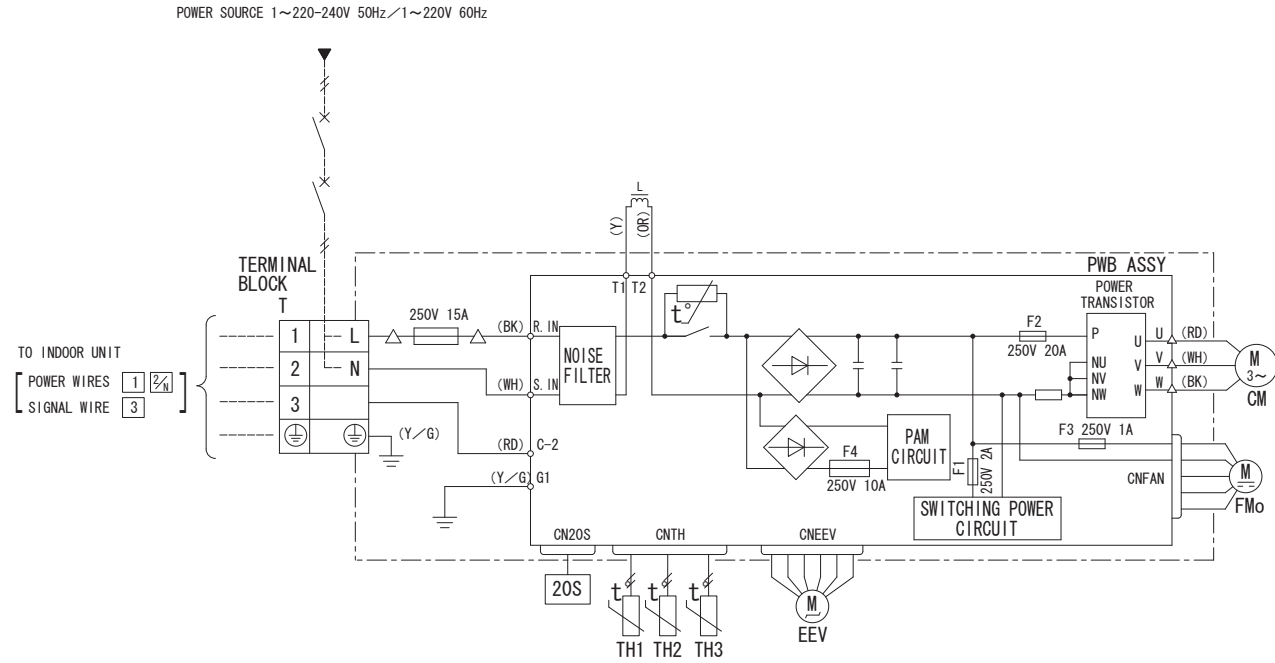
- (1) It must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
- (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	I	II	III	IV
Dimensions				
L1	Open	280	280	180
L2	100	75	Open	Open
L3	100	80	80	80
L4	250	Open	250	Open

(2) Electrical wiring
 Models SRC20Z1X-S, 25Z1X-S, 35Z1X-S



Item	Description
CM	Compressor motor
CNEEV~20S	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

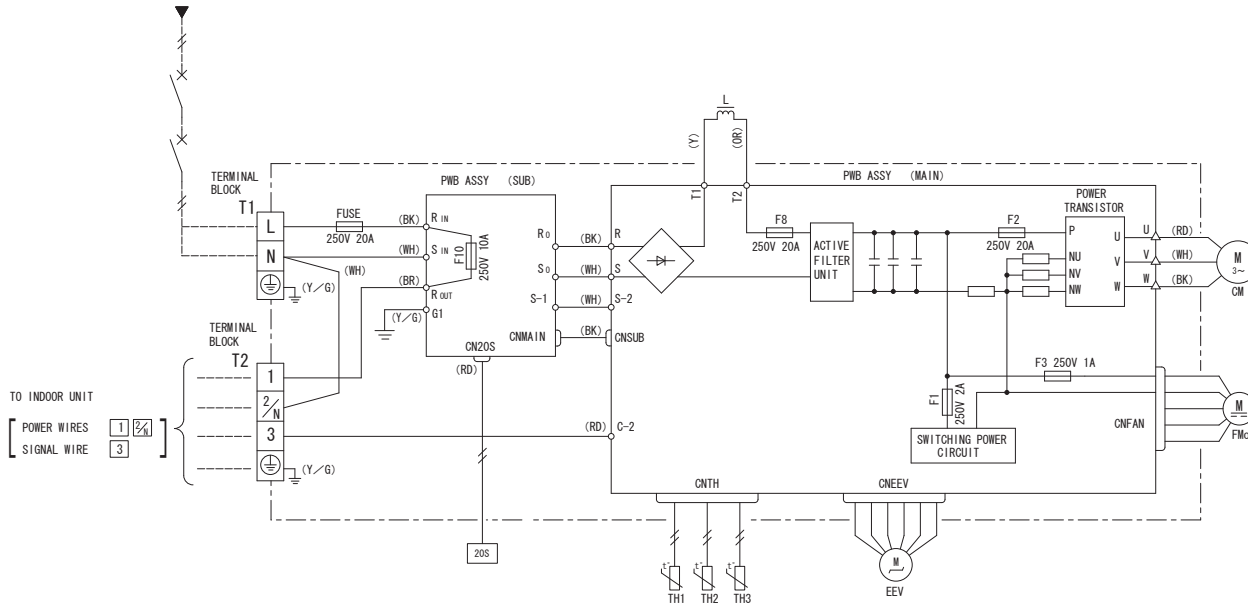
Power cable, indoor-outdoor connecting wires

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	φ1.6mm x 3	φ1.6mm
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.

RWC000Z213

POWER SOURCE 1~220-240V 50Hz/1~220V 60Hz



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)
50	14	2.0	18	φ1.6mm x 3	φ1.6mm
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

**INVERTER WALL MOUNTED TYPE
AND FLOOR STANDING TYPE
ROOM AIR-CONDITIONER**



Air-Conditioning & Refrigeration Systems Headquarters
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Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without notice.