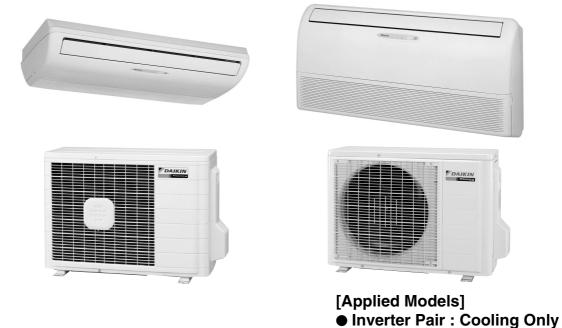




Inverter Pair Floor / Ceiling Suspended Dual Type BA-Series



• Inverter Pair : Heat Pump

Inverter Pair Floor / Ceiling Suspended Dual Type BA-Series

●C	oolin	g O	nly
-	••••••	. ၂	··· <i>J</i>

Indoor Unit

FLKS25BAVMB FLKS35BAVMB

Outdoor Unit

RKS25E2V1B	RKS25G2V1B
RKS35E2V1B	RKS35G2V1B
	RKS25G2V1B9
	RKS35G2V1B9

•Heat Pump

Indoor Unit

FLXS25BAVMB FLXS35BAVMB9 FLXS35BAVMB

Outdoor Unit

RXS25E2V1B	RXS25G2V1B	RXS25J2V1B	RXS35L2V1B
RXS35E2V1B	RXS35G2V1B	RXS35J2V1B	
	RXS25G2V1B9	RXS25K3V1B	
	RXS35G2V1B9	RXS35K2V1B	

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1. Safety Cautions

Be sure to read the following safety cautions before conducting repair work. After the repair work is complete, be sure to conduct a test operation to ensure that the equipment operates normally, and explain the cautions for operating the product to the customer.

Caution Items The caution items are classified into A Warning and A Caution. The A Warning items are especially important since they can lead to death or serious injury if they are not followed closely. The A Caution items can also lead to serious accidents under some conditions if they are not followed. Therefore, be sure to observe all the safety caution items described below.

Pictograms

△ This symbol indicates the item for which caution must be exercised. The pictogram shows the item to which attention must be paid.

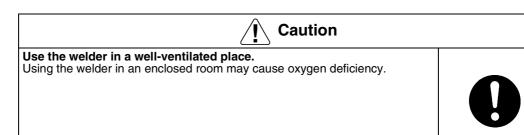
- This symbol indicates the prohibited action.
 - The prohibited item or action is shown in the illustration or near the symbol.
 - This symbol indicates the action that must be taken, or the instruction. The instruction is shown in the illustration or near the symbol.

1.1 Warnings and Cautions Regarding Safety of Workers

Warning	
Do not store the equipment in a room with successive fire sources (e.g., naked flame, gas appliance, electric heater).	\bigcirc
Be sure to disconnect the power cable plug from the plug socket before disassembling the equipment for repair. Working on the equipment that is connected to the power supply may cause an electrical shock. If it is necessary to supply power to the equipment to conduct the repair or inspecting the circuits, do not touch any electrically charged sections of the equipment.	₽ ₽
If the refrigerant gas is discharged during the repair work, do not touch the discharged refrigerant gas. The refrigerant gas may cause frostbite.	\bigcirc
When disconnecting the suction or discharge pipe of the compressor at the welded section, evacuate the refrigerant gas completely at a well-ventilated place first. If there is gas remaining inside the compressor, the refrigerant gas or refrigerating machine oil discharges when the pipe is disconnected, and it may cause injury.	0
If the refrigerant gas leaks during the repair work, ventilate the area. The refrigerant gas may generate toxic gases when it contacts flames.	0
Be sure to discharge the capacitor completely before conducting repair work. The step-up capacitor supplies high-voltage electricity to the electrical components of the outdoor unit. A charged capacitor may cause an electrical shock.	4

Do not start or stop the air conditioner operation by plugging or unplugging the power cable plug. Plugging or unplugging the power cable plug to operate the equipment may cause an electrical shock or fire.	\bigcirc
Be sure to wear a safety helmet, gloves, and a safety belt when working at a high place (more than 2 m). Insufficient safety measures may cause a fall accident.	\bigcirc
In case of R-32 / R-410A refrigerant models, be sure to use pipes, flare nuts and tools for the exclusive use of the R-32 / R-410A refrigerant. The use of materials for R-22 refrigerant models may cause a serious accident such as a damage of refrigerant cycle as well as an equipment failure.	\bigcirc
Do not mix air or gas other than the specified refrigerant (R-32 / R-410A / R-22) in the refrigerant system. If air enters the refrigerating system, an excessively high pressure results, causing equipment damage and injury.	\bigcirc

Caution	
Do not repair the electrical components with wet hands. Working on the equipment with wet hands may cause an electrical shock.	
Do not clean the air conditioner by splashing water. Washing the unit with water may cause an electrical shock.	
Be sure to provide the grounding when repairing the equipment in a humid or wet place, to avoid electrical shocks.	ļ
Be sure to turn off the power switch and unplug the power cable when cleaning the equipment. The internal fan rotates at a high speed, and may cause injury.	
Be sure to conduct repair work with appropriate tools. The use of inappropriate tools may cause injury.	0
Be sure to check that the refrigerating cycle section has cooled down enough before conducting repair work. Working on the unit when the refrigerating cycle section is hot may cause burns.	9



1.2 Warnings and Cautions Regarding Safety of Users

Warning	
Do not store the equipment in a room with successive fire sources (e.g., naked flame, gas appliance, electric heater).	\bigcirc
Be sure to use parts listed in the service parts list of the applicable model and appropriate tools to conduct repair work. Never attempt to modify the equipment. The use of inappropriate parts or tools may cause an electrical shock, excessive heat generation or fire.	0
If the power cable and lead wires have scratches or deteriorated, be sure to replace them. Damaged cable and wires may cause an electrical shock, excessive heat generation or fire.	0
Do not use a joined power cable or extension cable, or share the same power outlet with other electrical appliances, since it may cause an electrical shock, excessive heat generation or fire.	\bigcirc
Be sure to use an exclusive power circuit for the equipment, and follow the local technical standards related to the electrical equipment, the internal wiring regulations, and the instruction manual for installation when conducting electrical work. Insufficient power circuit capacity and improper electrical work may cause an electrical shock or fire.	0
Be sure to use the specified cable for wiring between the indoor and outdoor units. Make the connections securely and route the cable properly so that there is no force pulling the cable at the connection terminals. Improper connections may cause excessive heat generation or fire.	0
When wiring between the indoor and outdoor units, make sure that the terminal cover does not lift off or dismount because of the cable. If the cover is not mounted properly, the terminal connection section may cause an electrical shock, excessive heat generation or fire.	0
Do not damage or modify the power cable. Damaged or modified power cable may cause an electrical shock or fire. Placing heavy items on the power cable, and heating or pulling the power cable may damage the cable.	\bigcirc

Warning	
Do not mix air or gas other than the specified refrigerant (R-32 / R-410A / R-22) in the refrigerant system. If air enters the refrigerating system, an excessively high pressure results, causing equipment damage and injury.	\bigcirc
If the refrigerant gas leaks, be sure to locate the leaking point and repair it before charging the refrigerant. After charging refrigerant, make sure that there is no refrigerant leak. If the leaking point cannot be located and the repair work must be stopped, be sure to perform pump-down and close the service valve, to prevent the refrigerant gas from leaking into the room. The refrigerant gas itself is harmless, but it may generate toxic gases when it contacts flames, such as fan and other heaters, stoves and ranges.	0
When relocating the equipment, make sure that the new installation site has sufficient strength to withstand the weight of the equipment. If the installation site does not have sufficient strength and if the installation work is not conducted securely, the equipment may fall and cause injury.	0
Check to make sure that the power cable plug is not dirty or loose, then insert the plug into a power outlet securely. If the plug has dust or loose connection, it may cause an electrical shock or fire.	0
Be sure to install the product correctly by using the provided standard installation frame. Incorrect use of the installation frame and improper installation may cause the equipment to fall, resulting in injury.	For unitary type only
Be sure to install the product securely in the installation frame mounted on the window frame. If the unit is not securely mounted, it may fall and cause injury.	For unitary type only
When replacing the coin battery in the remote controller, be sure to dispose of the old battery to prevent children from swallowing it. If a child swallows the coin battery, see a doctor immediately.	0

Caution	
Installation of a leakage breaker is necessary in some cases depending on the conditions of the installation site, to prevent electrical shocks.	0
Do not install the equipment in a place where there is a possibility of combustible gas leaks. If the combustible gas leaks and remains around the unit, it may cause a fire.	\bigcirc

Caution	
Check to see if the parts and wires are mounted and connected properly, and if the connections at the soldered or crimped terminals are secure. Improper installation and connections may cause excessive heat generation, fire or an electrical shock.	0
If the installation platform or frame has corroded, replace it. Corroded installation platform or frame may cause the unit to fall, resulting in injury.	0
Check the grounding, and repair it if the equipment is not properly	
grounded. Improper grounding may cause an electrical shock.	Ð
Be sure to measure the insulation resistance after the repair, and make sure that the resistance is 1 M Ω or higher. Faulty insulation may cause an electrical shock.	9
Be sure to check the drainage of the indoor unit after the repair. Faulty drainage may cause the water to enter the room and wet the furniture and floor.	9
Do not tilt the unit when removing it. The water inside the unit may spill and wet the furniture and floor.	\bigcirc
Be sure to install the packing and seal on the installation frame properly. If the packing and seal are not installed properly, water may enter the room and wet the furniture and floor.	For unitary type only

2. Used Icons

The following icons are used to attract the attention of the reader to specific information.

Icon	Type of Information	Description
Warning	Warning	A Warning is used when there is danger of personal injury.
Caution	Caution	A Caution is used when there is danger that the reader, through incorrect manipulation, may damage equipment, loose data, get an unexpected result or has to restart (part of) a procedure.
Note:	Note	A Note provides information that is not indispensable, but may nevertheless be valuable to the reader, such as tips and tricks.
C	Reference	A Reference guides the reader to other places in this binder or in this manual, where he/she will find additional information on a specific topic.

Part 1 List of Functions

1.	Functions	.2
1.	Functions	.2

1. Functions

Category	Functions	FLKS25/35BAVMB RKS25/35E2V1B	FLXS25/35BAVMB RXS25/35E2V1B	Category	Functions	FLKS25/35BAVMB RKS25/35E2V1B	FLXS25/35BAVMB RXS25/35E2V1B
Basic	Inverter (with inverter power control)	•	٠	Health &	Air-purifying filter	•	•
Function	Operation limit for cooling (°CDB)	-10 ~ 46 ★	-10 ~ 46	Clean	Photocatalytic deodorizing filter	•	•
	Operation limit for heating (°CWB)		-15 ~ 18		Air-purifying filter with photocatalytic deodorizing function (option)	•	•
	PAM control		•	-	Titanium apatite photocatalytic	_	_
	Standby electricity saving — —			air-purifying filter			
Compressor	Oval scroll compressor	—	_		Air filter (prefilter)	•	•
	Swing compressor	•	•		Wipe-clean flat panel	_	—
	Rotary compressor	—	—		Washable grille	—	—
	Reluctance DC motor	•	٠		MOLD PROOF operation	—	—
Comfortable	Power-airflow flap	_	—		Good-sleep cooling operation	—	_
Airflow				Timer	WEEKLY TIMER operation	—	_
	Power-airflow dual flaps	_	_		24-hour ON/OFF TIMER	•	•
	Power-airflow diffuser	_	—		NIGHT SET mode	•	•
	Wide-angle louvers	_	_	Worry Free	Auto-restart (after power failure)	•	•
	Auto-swing (up and down)	•	•	(Reliability &	Self-diagnosis (digital, LED) display	•	•
	Auto-swing (right and left)	_	_	Durability)	Wiring error check function	_	_
	3-D airflow	_	_		Anti-corrosion treatment of outdoor heat		
Comfort	Auto fan speed	•	•		exchanger	•	•
Control	Indoor unit quiet operation	•	•	Flexibility	Multi-split/split type compatible indoor		
	NIGHT QUIET mode (automatic)	_	_		unit	•	•
	OUTDOOR UNIT QUIET operation (manual)	•	•		Flexible power supply correspondence	_	_
	INTELLIGENT EYE operation	_	_		Chargeless	10 m	10 m
	Quick warming function (preheating operation)		•		Either side drain (right or left)		_
	Hot-start function		•		Power selection	—	—
	Automatic defrosting	—	•	Remote	5-room centralized controller (option)	•	•
Operation	Automatic operation	—	•	Control	Remote control adaptor	•	•
	Program dry operation	•	•		(normal open pulse contact) (option)	•	•
	Fan only	•	•		Remote control adaptor		
Lifestyle Convenience	New POWERFUL operation (non-inverter)	—	_		(normal open contact) (option)	•	•
	Inverter POWERFUL operation	•	•		DIII-NET compatible (adaptor) (option)	•	•
	Priority-room setting			Remote	Wireless	•	•
	COOL / HEAT mode lock	-	-	Controller	Wired (option)	-	—
	HOME LEAVE operation	•	٠				
	ECONO operation	-	—				
	Indoor unit ON/OFF button	•	٠				
	Signal receiving sign	•	•			l	
	R/C with back light	_	—				
	Temperature display		_				
Noto	• : Available		I	L	Lower limit can be extended by cutting iu	mnor	<u> </u>

Note: • : Available

- : Not available

Category	Functions	FLKS25/35BAVMB RKS25/35G2V1B	FLXS25/35BAVMB RXS25/35G2V1B	Category	Functions	FLKS25/35BAVMB RKS25/35G2V1B	FLXS25/35BAVMB RXS25/35G2V1B
Basic Function	Inverter (with inverter power control)	● 10	•	Health & Clean	Air-purifying filter	•	•
	Operation limit for cooling (°CDB) Operation limit for heating (°CWB)		-10 ~ 46 ★	locan	Photocatalytic deodorizing filter	•	•
			-15 ~ 18		Air-purifying filter with photocatalytic deodorizing function (option)	•	•
	PAM control	•	٠		Titanium apatite photocatalytic		
	Standby electricity saving	—	—		air-purifying filter		_
Compressor	Oval scroll compressor	—	—		Air filter (prefilter)	٠	•
	Swing compressor	•	•		Wipe-clean flat panel	—	—
	Rotary compressor		—		Washable grille	—	—
	Reluctance DC motor	•	•		MOLD PROOF operation	—	—
Comfortable	Power-airflow flap	—	—		Good-sleep cooling operation	—	—
Airflow	Power-airflow dual flaps			Timer	WEEKLY TIMER operation	-	—
	Fower-armow duar haps	_	_		24-hour ON/OFF TIMER	•	•
	Power-airflow diffuser		—		NIGHT SET mode	٠	•
	Wide-angle louvers		—	Worry Free	Auto-restart (after power failure)	•	•
	Auto-swing (up and down)		٠	(Reliability & Durability)	Self-diagnosis (digital, LED) display	٠	•
	Auto-swing (right and left)		_	,	Wiring error check function	_	—
	3-D airflow	—	—		Anti-corrosion treatment of outdoor heat		
Comfort	Auto fan speed	•	•		exchanger	•	•
Control	Indoor unit quiet operation	•	٠	Flexibility	Multi-split/split type compatible indoor		
	NIGHT QUIET mode (automatic)	—	-		unit	•	•
	OUTDOOR UNIT QUIET operation (manual)	•	•		Flexible power supply correspondence	_	—
	INTELLIGENT EYE operation	—	—		Chargeless	10 m	10 m
	Quick warming function (preheating operation)		•		Either side drain (right or left)	—	—
	Hot-start function		•		Power selection	—	—
	Automatic defrosting	—	•	Remote Control	5-room centralized controller (option)	•	•
Operation	Automatic operation	—	•	Control	Remote control adaptor	•	•
	Program dry operation	•	•	-	(normal open pulse contact) (option)		
	Fan only	•	•	-	Remote control adaptor		
Lifestyle Convenience	New POWERFUL operation (non-inverter)		—		(normal open contact) (option)	•	•
	Inverter POWERFUL operation	•	٠		DIII-NET compatible (adaptor) (option)	٠	•
	Priority-room setting			Remote	Wireless	•	•
	COOL / HEAT mode lock			Controller	Wired (option)	-	—
	HOME LEAVE operation	•	٠				
	ECONO operation	—	-				
	Indoor unit ON/OFF button	•	٠				
l	Signal receiving sign	•	٠				
	R/C with back light						
	Temperature display	—	-				

- : Not available

Category	Functions	FLKS25/35BAVMB RKS25/35G2V1B9	FLXS25/35BAVMB RXS25/35G2V1B9	Category	Functions	FLKS25/35BAVMB RKS25/35G2V1B9	FLXS25/35BAVMB RXS25/35G2V1B9
Basic Function	Inverter (with inverter power control)	•	•	Health & Clean	Air-purifying filter	•	•
	Operation limit for cooling (°CDB)	-10 ~ 46 ★	-10 ~ 46 ★	olean	Photocatalytic deodorizing filter	•	•
	Operation limit for heating (°CWB)		-15 ~ 18		Air-purifying filter with photocatalytic deodorizing function (option)	•	•
	PAM control		•		Titanium apatite photocatalytic		
	Standby electricity saving		-		air-purifying filter	_	_
Compressor	Oval scroll compressor	—	-		Air filter (prefilter)	•	•
	Swing compressor	•	•		Wipe-clean flat panel	_	—
	Rotary compressor	—	_		Washable grille	—	—
	Reluctance DC motor	•	•		MOLD PROOF operation	-	—
Comfortable	Power-airflow flap	—	-		Good-sleep cooling operation	—	—
Airflow	Dower cirflow duel flore			Timer	WEEKLY TIMER operation	—	—
	Power-airflow dual flaps	_	_		24-hour ON/OFF TIMER	٠	•
	Power-airflow diffuser —		—		NIGHT SET mode	•	•
	Wide-angle louvers—Auto-swing (up and down)•		_	Worry Free	Auto-restart (after power failure)	٠	•
			٠	(Reliability & Durability)	Self-diagnosis (digital, LED) display	•	•
	Auto-swing (right and left)		—	Darability	Wiring error check function	—	_
	3-D airflow	_	—		Anti-corrosion treatment of outdoor heat		•
Comfort	Auto fan speed	•	٠		exchanger	•	•
Control	Indoor unit quiet operation	•	٠	Flexibility	Multi-split/split type compatible indoor		
	NIGHT QUIET mode (automatic)	—	—		unit	•	•
	OUTDOOR UNIT QUIET operation (manual)	•	•		Flexible power supply correspondence	_	_
	INTELLIGENT EYE operation	—	—		Chargeless	10 m	10 m
	Quick warming function (preheating operation)	_	•		Either side drain (right or left)	—	—
	Hot-start function	—	•		Power selection	—	—
	Automatic defrosting		٠	Remote	5-room centralized controller (option)	•	•
Operation	Automatic operation	—	•	Control	Remote control adaptor	•	•
	Program dry operation	•	٠	-	(normal open pulse contact) (option)		
	Fan only	•	٠		Remote control adaptor		
Lifestyle Convenience	New POWERFUL operation (non-inverter)	_	—		(normal open contact) (option)	•	•
	Inverter POWERFUL operation	•	٠		DIII-NET compatible (adaptor) (option)	٠	•
	Priority-room setting	—	—	Remote	Wireless	•	•
	COOL / HEAT mode lock	—	—	Controller	Wired (option)	-	
	HOME LEAVE operation	•	٠				
	ECONO operation	—	—				
	Indoor unit ON/OFF button	•	•				
	Signal receiving sign	•	•				
	R/C with back light	—	—				
1	Temperature display	—	—				

- : Not available

Category	/ Functions		_XS25/35BAVMB XS25K3V1B XS35K2V1B	Category	Functions	FLXS25/35BAVMB RXS25/35J2V1B	XS25/35BAVMB (S25K3V1B (S35K2V1B
		 FLXS25/35BAVMI RXS25/35J2V1B 					<u> </u>
Basic Function	Inverter (with inverter power control)		● -10	Health & Clean	Air-purifying filter	•	•
	Operation limit for cooling (°CDB)	-10 ~ 46 ★	-10 ~ 46 ★		Photocatalytic deodorizing filter	•	•
	Operation limit for heating (°CWB)	-15 ~ 18	–15 ~ 18		Air-purifying filter with photocatalytic deodorizing function (option)	•	•
	PAM control	٠	•		Titanium apatite		
	Standby electricity saving	—	—		photocatalytic air-purifying filter	_	_
Compressor	Oval scroll compressor	—	_		Air filter (prefilter)	٠	•
	Swing compressor	٠	•		Wipe-clean flat panel		—
	Rotary compressor	—			Washable grille		—
	Reluctance DC motor	٠	•		MOLD PROOF operation		—
Comfortable	Power-airflow flap	—	—		Good-sleep cooling operation	_	—
Airflow	Deven sigliare des liferas			Timer	WEEKLY TIMER operation	_	—
	Power-airflow dual flaps		_		24-hour ON/OFF TIMER	•	•
	Power-airflow diffuser	—			NIGHT SET mode	•	•
	Wide-angle louvers	-	—	Worry Free	Auto-restart (after power failure)	٠	•
	Auto-swing (up and down)	٠	•	(Reliability & Durability)	Self-diagnosis (digital, LED) display	٠	•
	Auto-swing (right and left)	—		Durability)	Wiring error check function	_	—
	3-D airflow	-	—		Anti-corrosion treatment of outdoor	-	_
Comfort	Auto fan speed	٠	•		heat exchanger	•	•
Control	Indoor unit quiet operation	٠	•	Flexibility	Multi-split/split type compatible indoor unit	•	
	NIGHT QUIET mode (automatic)	—	—			•	•
	OUTDOOR UNIT QUIET operation (manual)	•	•		Flexible power supply correspondence		_
	INTELLIGENT EYE operation	_	_		Chargeless	10 m	10 m
	Quick warming function (preheating operation)	•	•		Either side drain (right or left)		_
	Hot-start function	•	•		Power selection	_	—
	Automatic defrosting	•	•	Remote Control	5-room centralized controller (option)	•	•
Operation	Automatic operation	•	•	Control	Remote control adaptor	•	•
	Program dry operation	•	•		(normal open pulse contact) (option)		
	Fan only	•	•				
Lifestyle Convenience	New POWERFUL operation (non-inverter)	—	-		Remote control adaptor (normal open contact) (option)	•	•
	Inverter POWERFUL operation	•	•		DIII-NET compatible (adaptor) (option)	•	•
	Priority-room setting			Remote	Wireless	•	•
	COOL / HEAT mode lock	_	_	Controller	Wired (option)	_	_
	HOME LEAVE operation	•	•				
	ECONO operation						
	Indoor unit ON/OFF button	٠	٠				
	Signal receiving sign	٠	٠				
	R/C with back light	_	_				
	Temperature display						
NI-t	• · Available				I ower limit can be extended by cutting		

- : Not available

Category	Functions	FLXS35BAVMB9 RXS35L2V1B	Category	Functions	FLXS35BAVMB9 RXS35L2V1B
Basic	Inverter (with inverter power control)	•	Health &	Air-purifying filter	•
Function	Operation limit for cooling (°CDB)		Clean	Photocatalytic deodorizing filter	•
	Operation limit for heating (°CWB)			Air-purifying filter with photocatalytic deodorizing function (option)	•
	PAM control			Titanium apatite photocatalytic	
	Standby electricity saving	_		air-purifying filter	_
Compressor	Oval scroll compressor	_		Air filter (prefilter)	•
	Swing compressor	٠		Wipe-clean flat panel	—
	Rotary compressor	_		Washable grille	—
	Reluctance DC motor	•		MOLD PROOF operation	—
Comfortable	Power-airflow flap	_		Good-sleep cooling operation	_
Airflow			Timer	WEEKLY TIMER operation	—
	Power-airflow dual flaps			24-hour ON/OFF TIMER	•
	Power-airflow diffuser			NIGHT SET mode	•
	Wide-angle louvers	_	Worry Free	Auto-restart (after power failure)	•
	Auto-swing (up and down)	•	(Reliability & Durability)	Self-diagnosis (digital, LED) display	•
	Auto-swing (right and left)		Durubinty)	Wiring error check function	_
	3-D airflow		-	Anti-corrosion treatment of outdoor	
Comfort	Auto fan speed			heat exchanger	•
Control	Indoor unit quiet operation		Flexibility		
	NIGHT QUIET mode (automatic)			Multi-split/split type compatible indoor unit	•
	OUTDOOR UNIT QUIET operation (manual)		1	Flexible power supply correspondence	—
	INTELLIGENT EYE operation	_	1	Chargeless	10 m
	Quick warming function (preheating operation)	•		Either side drain (right or left)	_
	Hot-start function	٠		Power selection	—
	Automatic defrosting	•	Remote	5-room centralized controller (option)	•
Operation	Automatic operation	•	Control	Remote control adaptor	
	Program dry operation	٠		(normal open pulse contact) (option)	•
	Fan only	٠		Remete control adapter	
Lifestyle Convenience	New POWERFUL operation (non-inverter)	_		Remote control adaptor (normal open contact) (option)	•
	Inverter POWERFUL operation	٠		DIII-NET compatible (adaptor) (option)	•
	Priority-room setting	_	Remote	Wireless	•
	COOL / HEAT mode lock		Controller	Wired (option)	_
	HOME LEAVE operation	٠			
	ECONO operation	_			
	Indoor unit ON/OFF button	•			
	Signal receiving sign	•			
	R/C with back light				
	Temperature display	—			
	•				

-: Not available

Part 2 Specifications

1. Spe	cifications	8
	Cooling Only	
	Heat Pump	

1. Specifications 1.1 Cooling Only

50 Hz, 220 - 230 - 240 V

	Indees Unit			
Model	Indoor Unit Outdoor Unit		FLKS25BAVMB RKS25E2V1B	FLKS35BAVMB RKS35E2V1B
		kW	2.5 (1.2 ~ 3.0)	3.5 (1.2 ~ 3.8)
Capacity Rated	(Min Max)	Btu/h	8,500 (4,100 ~ 10,200)	11,900 (4,100 ~ 13,000)
Capacity hated	(11111. ~ 111dx.)	kcal/h	2,150 (1,030 ~ 2,580)	3,010 (1,030 ~ 3,270)
Moisture Remo	wal	L/h	1.2	1.9
Running Curre		A	3.7 - 3.6 - 3.4	5.3 - 5.1 - 4.9
0				
Power Consumption Rated W (Min. ~ Max.)		w	650 (300 ~ 860)	1,130 (300 ~ 1,260)
		%	79.9 - 78.5 - 79.7	96.9 - 96.3 - 96.1
COP Rated (M	in. ~ Max.)	W/W	3.85 (4.00 ~ 3.49)	3.10 (4.00 ~ 3.02)
	Liquid	mm	¢ 6.4	¢ 6.4
Piping Connections	Gas	mm	φ 9.5	¢ 9.5
Connections	Drain	mm	o 18.0	¢ 18.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Max. Interunit F	Piping Length	m	20	20
Max. Interunit I	Height Difference	m	15	15
Chargeless	0	m	10	10
Amount of Add	itional Charge of		00	20
Refrigerant		g/m	20	20
Indoor Unit			FLKS25BAVMB	FLKS35BAVMB
Front Panel Co			Almond White	Almond White
	Н		7.6 (268)	8.6 (304)
Airflow Rate	Μ	m³/min	6.8 (240)	7.6 (268)
AINOW Hale	L	(cfm)	6.0 (212)	6.6 (233)
	SL		5.2 (184)	5.6 (198)
	Туре		Sirocco Fan	Sirocco Fan
Fan	Motor Output	W	34	34
	Speed	Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Co	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof
Running Curre		Α	0.33 - 0.32 - 0.31	0.38 - 0.36 - 0.35
Power Consum	nption (Rated)	W	70 - 70 - 70	78 - 78 - 78
Power Factor		%	96.4 - 95.1 - 94.1	93.3 - 94.2 - 92.9
Temperature C	Control		Microcomputer Control	Microcomputer Control
Dimensions (H	\times W \times D)	mm	490 × 1,050 × 200	490 × 1,050 × 200
Packaged Dime	ensions ($H \times W \times D$)	mm	280 × 1,100 × 566	280 × 1,100 × 566
Weight (Mass)		kg	16	16
Gross Weight (Gross Mass)	kg	22	22
Sound				
Pressure Level	H/M/L/SL	dB(A)	37 / 34 / 31 / 28	38 / 35 / 32 / 29
Sound Power L	aval	dB	53	54
Outdoor Unit		UD	RKS25E2V1B	RKS35E2V1B
Casing Color			Ivory White	Ivory White
Casiliy Coloi	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD	1YC23NXD
Compressor	Motor Output	w	600	600
	· · · · · · · · · · · · · · · · · · ·	vv	FVC50K	FVC50K
Refrigerant Oil	Type Charge		0.375	0.375
	Type		R-410A	R-410A
Refrigerant	Charge	kg	1.0	1.0
	H		33.5 (1,183)	33.5 (1,183)
		m³/min (cfm)	23.4 (826)	23.4 (826)
Airflow Rate				
Airflow Rate	L	(Cilli)		
Airflow Rate Fan	Туре	. ,	Propeller	Propeller
Fan	Type Motor Output	W	Propeller 23	Propeller 23
Fan Running Curre	Type Motor Output nt (Rated)	W	Propeller 23 3.37 - 3.28 - 3.09	Propeller 23 4.92 - 4.74 - 4.55
Fan Running Curre Power Consum	Type Motor Output nt (Rated)	W A W	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 - 580	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052
Fan Running Curren Power Consum Power Factor	Type Motor Output nt (Rated) nption (Rated)	W A W %	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3
Fan Running Curren Power Consum Power Factor Starting Curren	Type Motor Output nt (Rated) nption (Rated)	W A W % A	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2 3.7	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5.3
Fan Running Curren Power Consum Power Factor Starting Curren Dimensions (H	Type Motor Output nt (Rated) nption (Rated) tt × W × D)	W A W A % A mm	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2 3.7 550 × 765 × 285	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5.3 550 × 765 × 285
Fan Running Currei Power Consum Power Factor Starting Curren Dimensions (H Packaged Dimensions)	Type Motor Output nt (Rated) nption (Rated)	W A W A Mm mm	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 580 - 580 78.2 - 76.9 - 78.2 3.7 550 × 765 × 285 617 × 882 × 363	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5.3 550 × 765 × 285 617 × 882 × 363
Fan Running Currei Power Consum Power Factor Starting Currer Dimensions (H Packaged Dime Weight (Mass)	Type Motor Output nt (Rated) aption (Rated) it × W × D) ensions (H × W × D)	W A W A Mm mm kg	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 78.2 - 76.9 - 78.2 3.7 550 × 765 × 285 617 × 882 × 363 32	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5.3 550 × 765 × 285 617 × 882 × 363 32
Fan Running Currei Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight (Mass) Gross Weight (Type Motor Output nt (Rated) aption (Rated) it × W × D) ensions (H × W × D)	W A W A Mm mm	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 580 - 580 78.2 - 76.9 - 78.2 3.7 550 × 765 × 285 617 × 882 × 363	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5.3 550 × 765 × 285 617 × 882 × 363
Fan Running Currei Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight (Mass)	Type Motor Output nt (Rated) aption (Rated) it × W × D) ensions (H × W × D)	W A W A Mm mm kg	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 78.2 - 76.9 - 78.2 3.7 550 × 765 × 285 617 × 882 × 363 32	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5.3 550 × 765 × 285 617 × 882 × 363 32
Fan Running Currei Power Consum Power Factor Starting Curren Dimensions (H Packaged Dim Weight (Mass) Gross Weight (Sound Pressure	Type Motor Output nt (Rated) nption (Rated) tt × W × D) ensions (H × W × D) Gross Mass)	W A W % A mm mm kg kg kg	Propeller 23 3.37 - 3.28 - 3.09 580 - 580 580 - 580 78.2 - 76.9 - 78.2 3.7 550 × 765 × 285 617 × 882 × 363 32 38	Propeller 23 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5.3 550 × 765 × 285 617 × 882 × 363 32 38

Note:

The data are based on the conditions shown in the table below. Cooling Piping Length Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB

7.5 m

Conversion Formulae
kcal/h = kW × 860 Btu/h = kW × 3412 cfm = m³/min × 35.3

	1			50 HZ, 220 - 250 - 270 V
Model	Indoor Unit Outdoor Unit		FLKS25BAVMB RKS25G2V1B	FLKS35BAVMB RKS35G2V1B
		kW	2.5 (1.2 ~ 3.0)	3.5 (1.2 ~ 3.8)
	() () () () () () () () () () () () () (
Capacity Rated	(IVIIN. ~ IVIAX.)	Btu/h	8,500 (4,100 ~ 10,200)	11,900 (4,100 ~ 13,000)
Malatina Dama		kcal/h	2,150 (1,030 ~ 2,580)	3,010 (1,030 ~ 3,270)
Moisture Remo		L/h	1.2	1.9
5		A	3.7 - 3.6 - 3.4	5.3 - 5.1 - 4.9
Power Consumption Rated (Min. ~ Max.)		W	650 (300 ~ 860)	1,130 (300 ~ 1,260)
Power Factor		%	79.9 - 78.5 - 79.7	96.9 - 96.3 - 96.1
		W/W	3.85 (4.00 ~ 3.49)	3.10 (4.00 ~ 3.02)
	Liquid mi		φ 6.4	φ 6.4
Piping	Gas	mm	φ 9.5	φ 0.4 φ 9.5
Connections	Drain	mm	φ 18.0	φ 9.5 φ 18.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Max. Interunit F		m	20	20
	leight Difference	m	15	15
Chargeless		m	10	10
	tional Charge of			
Refrigerant	lional Charge of	g/m	20	20
Indoor Unit			FLKS25BAVMB	FLKS35BAVMB
Front Panel Co	lor		Almond White	Almond White
	H	1 1	7.6 (268)	8.6 (304)
	M	m³/min	6.8 (240)	7.6 (268)
Airflow Rate	L	(cfm)	6.0 (212)	6.6 (233)
	SL	\dashv \land \vdash	5.2 (184)	5.6 (198)
	Type		Sirocco Fan	Sirocco Fan
Fan	Motor Output	w	34	34
i un	Speed	Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Co		Clope	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof
Running Currer	nt (Rated)	A	0.33 - 0.32 - 0.31	0.38 - 0.36 - 0.35
Power Consum		Ŵ	70 - 70 - 70	78 - 78 - 78
Power Factor	ption (nated)	%	96.4 - 95.1 - 94.1	93.3 - 94.2 - 92.9
Temperature C	ontrol	76	Microcomputer Control	Microcomputer Control
Dimensions (H		mm	490 × 1,050 × 200	490 × 1,050 × 200
	ensions (H \times W \times D)	mm	280 × 1,100 × 566	280 × 1,100 × 566
Weight (Mass)		kg	16	16
Gross Weight (Gross Mass)	kg	22	22
Sound	Ci 033 Wid33)	му	22	
Pressure Level	H/M/L/SL	dB(A)	37 / 34 / 31 / 28	38 / 35 / 32 / 29
Sound Power L	evel	dB	53	54
Outdoor Unit			RKS25G2V1B	RKS35G2V1B
Casing Color			Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23AFXD	1YC23AFXD
	Motor Output	W	600	600
Refrigerant Oil	Туре		FVC50K	FVC50K
	Charge	L	0.375	0.375
Refrigerant	Туре		R-410A	R-410A
nongeralli	Charge	kg	1.0	1.2
Airflow Rate	Н	m³/min	33.5 (1,183)	36.0 (1,272)
AINOW Hale	SL	(cfm)	31.4 (1,109)	31.4 (1,109)
Fan	Туре		Propeller	Propeller
1 201	Motor Output	W	50	50
Running Currer	· · ·	A	3.37 - 3.28 - 3.09	4.92 - 4.74 - 4.55
Power Consum	ption (Rated)	W	580 - 580 - 580	1,052 - 1,052 - 1,052
Power Factor %		%	78.2 - 76.9 - 78.2	97.2 - 96.5 - 96.3
Starting Current A		A	3.2	4.4
Dimensions (H \times W \times D) mm		mm	550 × 765 × 285	550 × 765 × 285
Packaged Dimensions $(H \times W \times D)$ mm		mm	612 × 906 × 364	612 × 906 × 364
Weight (Mass) kg		kg	34	34
Gross Weight (Gross Mass)	kg	40	40
Sound Pressure Level	H/SL	dB(A)	46 / 43	48 / 44
Sound Power Level	Н	dB	61	63
Drawing No.	:		3D059861	3D059862
J				

Model	Indoor Unit		FLKS25BAVMB	FLKS35BAVMB
	Outdoor Unit	134/	RKS25G2V1B9	RKS35G2V1B9
		kW	2.5 (1.2 ~ 3.0)	3.5 (1.2 ~ 3.8)
Capacity Rated	(Min. ~ Max.)	Btu/h	8,500 (4,100 ~ 10,200)	11,900 (4,100 ~ 13,000)
		kcal/h	2,150 (1,030 ~ 2,580)	3,010 (1,030 ~ 3,270)
Moisture Remo		L/h	1.2	1.9
Running Current (Rated)		A	3.7 - 3.6 - 3.4	5.3 - 5.1 - 4.9
Power Consum	ption Rated	w	650 (300 ~ 860)	1,130 (300 ~ 1,260)
(Min. ~ Max.) Power Factor				
		%	79.9 - 78.5 - 79.7	96.9 - 96.3 - 96.1
COP Rated (Mi		W/W	3.85 (4.00 ~ 3.49)	3.10 (4.00 ~ 3.02)
Piping	Liquid	mm	φ 6.4	φ 6.4
Connections	Gas	mm	φ 9.5	φ 9.5
	Drain	mm	φ 18.0	¢ 18.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Max. Interunit F	Piping Length	m	20	20
	leight Difference	m	15	15
Chargeless		m	10	10
Amount of Addi	tional Charge of	g/m	20	20
Refrigerant		9		
Indoor Unit			FLKS25BAVMB	FLKS35BAVMB
Front Panel Co			Almond White	Almond White
	Н		7.6 (268)	8.6 (304)
Airflow Rate	M	m³/min	6.8 (240)	7.6 (268)
Annow Hate	L	(cfm)	6.0 (212)	6.6 (233)
	SL		5.2 (184)	5.6 (198)
	Туре	_	Sirocco Fan	Sirocco Fan
Fan	Motor Output	W	34	34
	Speed	Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction Co	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof
Running Currer	nt (Rated)	A	0.33 - 0.32 - 0.31	0.38 - 0.36 - 0.35
Power Consum		W	70 - 70 - 70	78 - 78 - 78
Power Factor		%	96.4 - 95.1 - 94.1	93.3 - 94.2 - 92.9
Temperature C	ontrol		Microcomputer Control	Microcomputer Control
Dimensions (H		mm	490 × 1,050 × 200	490 × 1,050 × 200
	ensions ($H \times W \times D$)	mm	280 × 1,100 × 566	280 × 1,100 × 566
Weight (Mass)		kg	16	16
Gross Weight (Groce Mace)	kg	22	22
Sound	Gi 033 ivid33)	ĸġ	22	
Pressure Level	H/M/L/SL	dB(A)	37 / 34 / 31 / 28	38 / 35 / 32 / 29
Sound Power L	evel	dB	53	54
Outdoor Unit			RKS25G2V1B9	RKS35G2V1B9
Casing Color			Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model	İ	1YC23AEXD	1YC23AEXD
-	Motor Output	W	600	600
Define 10"	Туре	·	FVC50K	FVC50K
Refrigerant Oil	Charge	L	0.375	0.375
D ()	Туре		R-410A	R-410A
Refrigerant	Charge	kg	1.0	1.2
	H	m³/min	33.5 (1,183)	36.0 (1,271)
Airflow Rate	SL	(cfm)	30.1 (1,063)	30.1 (1,063)
	Туре		Propeller	Propeller
Fan	Motor Output	w	23	23
Running Currer		A	3.37 - 3.28 - 3.09	4.92 - 4.74 - 4.55
Power Consum	()	Ŵ	580 - 580	1,052 - 1,052 - 1,052
Power Factor		%	78.2 - 76.9 - 78.2	97.2 - 96.5 - 96.3
Starting Curren	ł	A	3.7	5.3
				5.3 550 × 765 × 285
Dimensions (H	,	mm	550 × 765 × 285	
	ensions ($H \times W \times D$)	mm	612 × 906 × 364	612 × 906 × 364
Weight (Mass)	<u> </u>	kg	34	34
Gross Weight (Gross Mass)	kg	38	38
Sound Pressure Level	H / SL	dB(A)	46 / 43	48 / 44
Sound Power Level	Н	dB	61	63
Drawing No.			3D065726A	3D065725A
J				

Note:

The data are based on the condition	ons shown in the table below.
Cooling	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	5 m

Conversion Formulae
$kcal/h = kW \times 860$ Btu/h = kW × 3412 cfm = m ³ /min × 35.3

1.2 Heat Pump

50 Hz, 220 - 230 - 240 V

	Indoor Unit		FLXS25	BAVMB	FLXS35	BAVMB
Model	Outdoor Unit		RXS25	E2V1B	RXS35	E2V1B
	Outdoor Unit		Cooling Heating		Cooling Heating	
		kW	2.5 (1.2 ~ 3.0)	3.4 (1.2 ~ 4.5)	3.5 (1.2 ~ 3.8)	4.0 (1.2 ~ 5.0)
Capacity Rate	d (Min. ~ Max.)	Btu/h	8,500 (4,100 ~ 10,200)	11,600 (4,100 ~ 15,400)	11,900 (4,100 ~ 13,000)	13,600 (4,100 ~ 17,100)
		kcal/h	2,150 (1,030 ~ 2,580)	2,920 (1,030 ~ 3,870)	3,010 (1,030 ~ 3,270)	3,440 (1,030 ~ 4,300)
Moisture Rem		L/h	1.2	_	1.9	—
Running Curre	· /	A	3.7 - 3.6 - 3.4	4.7 - 4.5 - 4.3	5.3 - 5.1 - 4.9	5.8 - 5.5 - 5.3
Power Consur (Min. ~ Max.)	nption Rated	W	650 (300 ~ 860)	980 (290 ~ 1,490)	1,130 (300 ~ 1,260)	1,230 (290 ~ 1,850)
Power Factor		%	79.9 - 78.5 - 79.7	94.8 - 94.7 - 95.0	96.9 - 96.3 - 96.1	96.4 - 97.2 - 96.7
COP Rated (N	lin ∼ Max)	W/W	3.85 (4.00 ~ 3.49)	3.47 (4.14 ~ 3.02)	3.10 (4.00 ~ 3.02)	3.25 (4.14 ~ 2.70)
	Liquid	mm	· /	6.4	· · · · · ·	6.4
Piping .	Gas	mm		9.5		9.5
Connections	Drain	mm		8.0		8.0
Heat Insulation	1		Both Liquid a	nd Gas Pipes	Both Liquid a	ind Gas Pipes
Max. Interunit	Piping Length	m	2	20	2	20
Max. Interunit	Height Difference	m	1	5	1	5
Chargeless		m	1	0	1	0
	ditional Charge of	g/m	2	20	2	20
Refrigerant		3				-
Indoor Unit Front Panel C	olor			BAVMB d White		BAVMB d White
	H		7.6 (268)	9.2 (325)	8.6 (304)	9.8 (346)
	М		6.8 (240)	9.2 (325) 8.3 (293)	7.6 (268)	9.8 (346) 8.9 (314)
Airflow Rate	1	m³/min (cfm)	6.0 (240)	7.4 (261)	6.6 (233)	8.0 (282)
	SL	()	5.2 (184)	6.6 (233)	5.6 (198)	7.2 (254)
	Type	-		0.0 (200) co Fan		7.2 (204) co Fan
Fan	Motor Output	W		4		34
	Speed	Steps		Quiet, Auto		Quiet, Auto
Air Direction C	Control			contal, Downward		contal, Downward
Air Filter			Removable / Wash	able / Mildew Proof	0, ,	able / Mildew Proof
Running Curre	ent (Rated)	Α	0.33 - 0.32 - 0.31	0.36 - 0.34 - 0.33	0.38 - 0.36 - 0.35	0.38 - 0.36 - 0.35
Power Consur	mption (Rated)	W	70 - 70 - 70	74 - 74 - 74	78 - 78 - 78	78 - 78 - 78
Power Factor		%	96.4 - 95.1 - 94.1	93.4 - 94.6 - 93.4	93.3 - 94.2 - 92.9	93.3 - 94.2 - 92.9
Temperature (Control		Microcomp	uter Control	Microcomp	uter Control
Dimensions (H	l × W × D)	mm	490 × 1,0	050 × 200	490 × 1,0	050 × 200
Packaged Dirr	nensions ($H \times W \times D$)	mm	280 × 1,1	100 × 566	280 × 1,	100 × 566
Weight (Mass)		kg		6		6
Gross Weight	(Gross Mass)	kg	2	2	2	2
Sound Pressure Level	H/M/L/SL	dB(A)	37 / 34 / 31 / 28	37 / 34 / 31 / 29	38 / 35 / 32 / 29	39 / 36 / 33 / 30
Sound Power	Level	dB	53	53	54	55
Outdoor Unit				E2V1B		E2V1B
Casing Color			,	White	,	White
-	Туре			aled Swing Type	,	aled Swing Type
Compressor	Model			3NXD		3NXD
	Motor Output	W		00		00
Refrigerant Oil	Model			250K		250K
	Charge Model	L		375 10A	0.375	
Refrigerant	Charge	kg		.0	R-410A 1.0	
	H		33.5 (1,183)	.0 30.2 (1.066)	33.5 (1,183)	30.2 (1,066)
Airflow Rate	1		23.4 (826)	28.3 (999)	23.4 (826)	28.3 (999)
	Туре	()	()	peller	- ()	celler
Fan	Motor Output	W		3		23
Running Curre		A	3.37 - 3.28 - 3.09	4.34 - 4.16 - 3.97	4.92 - 4.74 - 4.55	5.42 - 5.14 - 4.95
Power Consur		Ŵ	580 - 580 - 580	906 - 906 - 906	1,052 - 1,052 - 1,052	1,152 - 1,152 - 1,152
Power Factor		%	78.2 - 76.9 - 78.2	94.9 - 94.7 - 95.1	97.2 - 96.5 - 96.3	96.6 - 97.4 - 97.0
Starting Curre	nt	A		.7		.8
Dimensions (H		mm		65 × 285		65 × 285
	nensions ($H \times W \times D$)	mm		82 × 363		82 × 363
Weight (Mass)		kg	3	2	3	32
Gross Weight		kg	3	8	3	8
	H/L	dB(A)	46 / 43	47 / 44	47 / 44	48 / 45
Sound Pressure Level	n/L	ub(rty	407 40			
Pressure	Н	dB	61	62 5002A	62	63 5003A

Note:

	Conversion Formulae			
Cooling	Heating	Piping Length	Conversion 1 onnuide	
ecoling	ribating		$kcal/h = kW \times 860$	
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	7.5 m	$Btu/h = kW \times 3412$ $cfm = m^3/min \times 35.3$	

Model Capacity Rated	Outdoor Unit	-	RXS25	G2V1B	BXS35	C0\/1P	
	Outdoor Onit	-			RXS35G2V1B		
			Cooling Heating		Cooling	Heating	
		kW	2.5 (1.2 ~ 3.0)	3.4 (1.2 ~ 4.5)	3.5 (1.2 ~ 3.8)	4.0 (1.2 ~ 5.0)	
	d (Min. ~ Max.)	Btu/h	8,500 (4,100 ~ 10,200)	11,600 (4,100 ~ 15,400)	11,900 (4,100 ~ 13,000)	13,600 (4,100 ~17,100	
		kcal/h	2,150 (1,030 ~ 2,580)	2,920 (1,030 ~ 3,870)	3,010 (1,030 ~ 3,270)	3,440 (1,030 ~ 4,300)	
loisture Remo	oval	L/h	1.2	—	1.9	_	
Running Curre	nt (Rated)	A	3.7 - 3.6 - 3.4	4.7 - 4.5 - 4.3	5.3 - 5.1 - 4.9	5.8 - 5.5 - 5.3	
Power Consum	nption Rated	W	650 (300 ~ 860)	980 (290 ~ 1,490)	1,130 (300 ~ 1,260)	1,230 (290 ~ 1,850)	
Min. ~ Max.)			,				
Power Factor		%	79.9 - 78.5 - 79.7	94.8 - 94.7 - 95.0	96.9 - 96.3 - 96.1	96.4 - 97.2 - 96.7	
COP Rated (M	,	W/W	3.85 (4.00 ~ 3.49)	3.47 (4.14 ~ 3.02)	3.10 (4.00 ~ 3.02)	3.25 (4.14 ~ 2.70)	
lining	Liquid	mm	φ 6		φ 6		
iping Connections	Gas	mm	φ 9		φ 9		
	Drain	mm	¢ 1		¢ 1		
leat Insulation		-	Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes	
	Piping Length	m	2		2		
lax. Interunit I	Height Difference	m	1	5	1,	5	
hargeless		m	1	0	1	0	
	litional Charge of	g/m	2	0	2	0	
efrigerant		3		-		-	
ndoor Unit			FLXS25		FLXS35		
ront Panel Co	-		Almono		Almono		
	Н	_	7.6 (268)	9.2 (325)	8.6 (304)	9.8 (346)	
irflow Rate	M	m³/min	6.8 (240)	8.3 (293)	7.6 (268)	8.9 (314)	
	L	(cfm)	6.0 (212)	7.4 (261)	6.6 (233)	8.0 (282)	
	SL		5.2 (184)	6.6 (233)	5.6 (198)	7.2 (254)	
	Туре		Siroco	o Fan	Siroco	o Fan	
an	Motor Output	W	3	4	3		
	Speed	Steps	5 Steps, C	Quiet, Auto	5 Steps, C	uiet, Auto	
ir Direction C	ontrol		Right, Left, Horiz	ontal, Downward	Right, Left, Horiz	ontal, Downward	
ir Filter			Removable / Wash	able / Mildew Proof	Removable / Wash	able / Mildew Proof	
unning Curre	nt (Rated)	A	0.33 - 0.32 - 0.31	0.36 - 0.34 - 0.33	0.38 - 0.36 - 0.35	0.38 - 0.36 - 0.35	
ower Consun	nption (Rated)	W	70 - 70 - 70	74 - 74 - 74	78 - 78 - 78	78 - 78 - 78	
ower Factor		%	96.4 - 95.1 - 94.1	93.4 - 94.6 - 93.4	93.3 - 94.2 - 92.9	93.3 - 94.2 - 92.9	
emperature C	Control		Microcomp	uter Control	Microcompu	uter Control	
imensions (H	\times W \times D)	mm	490 × 1,0	50 × 200	490 × 1,0	50 × 200	
ackaged Dim	ensions $(H \times W \times D)$	mm	280 × 1,1	00 × 566	280 × 1,1	00 × 566	
leight (Mass)	. , ,	kg	1	6	1	6	
iross Weight ((Gross Mass)	kg	2	2	2	2	
ound Pressure evel	H/M/L/SL	dB(A)	37 / 34 / 31 / 28	37 / 34 / 31 / 29	38 / 35 / 32 / 29	39 / 36 / 33 / 30	
ound Power L	evel	dB	53	53	54	55	
utdoor Unit			RXS25		RXS35		
asing Color			lvorv	-	Ivory	-	
aoing color	Туре		Hermetically Sea		Hermetically Sea		
ompressor	Model		1YC23	0 71	1YC23		
0.110100000	Motor Output	W	60		60		
ofrigerant	Model			50K	FVC		
efrigerant il	Charge	L	0.3		0.3		
	Model	1 -		10A		10A	
efrigerant	Charge	kg		.0		2	
	H		33.5 (1,183)	30.2 (1,066)	36.0 (1,272)	30.2 (1,066)	
irflow Rate	SL	m³/min (cfm)	31.4 (1,109)	22.6 (798)	31.4 (1,109)	22.6 (798)	
	-	(****)	31.4 (1, 109) Prop		31.4 (1,109) Prop		
an	Type Motor Output	W	Prop 5		Prop 5		
unning Curre				0 4.34 - 4.16 - 3.97	5 4.92 - 4.74 - 4.55		
0	\ /	A	3.37 - 3.28 - 3.09		4.92 - 4.74 - 4.55	5.42 - 5.14 - 4.95	
	nption (Rated)		580 - 580 - 580	906 - 906 - 906	1 1 1	1,152 - 1,152 - 1,152	
ower Factor	.4	%	78.2 - 76.9 - 78.2	94.9 - 94.7 - 95.1	97.2 - 96.5 - 96.3	96.6 - 97.4 - 97.0	
arting Currer		A	4.		4.		
imensions (H	/	mm	550 × 76		550 × 76		
<u> </u>	ensions ($H \times W \times D$)	mm		06 × 364	612 × 90		
leight (Mass)		kg		4	3		
iross Weight ((Gross Mass)	kg	4	0	4	0	
ound ressure evel	H/SL	dB(A)	46 / 43	47 / 44	48 / 44	48 / 45	
Sound Power	Н	dB	61	62 9828	63 3D05	63	

Note:

The data are based on the co Cooling	Conversion Formulae		
Cooling	Heating	Piping Length	$kcal/h = kW \times 860$
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m	$Btu/h = kW \times 3412$ $cfm = m^3/min \times 35.3$

Model	Indoor Unit		FLXS25	BAVMB	FLXS35BAVMB		
	Outdoor Unit		RXS250	G2V1B9	RXS35	G2V1B9	
	Outdoor Unit		Cooling	Heating	Cooling Heating		
		kW	2.5 (1.2 ~ 3.0)	3.4 (1.2 ~ 4.5)	3.5 (1.2 ~ 3.8)	4.0 (1.4 ~ 5.0)	
Capacity Rated	d (Min. ~ Max.)	Btu/h	8,500 (4,100 ~ 10,200)	11,600 (4,100 ~ 15,400)	11,900 (4,100 ~ 13,000)	13,600 (4,100 ~ 17,100	
		kcal/h	2,150 (1,030 ~ 2,580)	2,920 (1,030 ~ 3,870)	3,010 (1,030 ~ 3,270)	3,440 (1,030 ~ 4,300)	
Noisture Remo	oval	L/h	1.2	—	1.9	—	
Running Curre	nt (Rated)	A	3.7 - 3.6 - 3.4	4.7 - 4.5 - 4.3	5.3 - 5.1 - 4.9	5.8 - 5.5 - 5.3	
Power Consum Min. ~ Max.)	nption Rated	W	650 (300 ~ 860)	980 (290 ~ 1,490)	1,130 (300 ~ 1,260)	1,230 (290 ~ 1,850)	
Power Factor		%	79.9 - 78.5 - 79.7	94.8 - 94.7 - 95.0	96.9 - 96.3 - 96.1	96.4 - 97.2 - 96.7	
COP Rated (M	lin ~ Max)	W/W	3.85 (4.00 ~ 3.49)	3.47 (4.14 ~ 3.02)	3.10 (4.00 ~ 3.02)	3.25 (4.14 ~ 2.70)	
	Liquid	mm	0.00 (4.00 ~ 0.40) 0 (· · · · /		6.4	
Piping	Gas	mm	φ (9.5	
Connections	Drain	mm	φ 1 φ 1			8.0	
leat Insulation				nd Gas Pipes		Ind Gas Pipes	
Aax. Interunit F		m		0		20	
	Height Difference	m		5		5	
hargeless		m		0		0	
	litional Charge of			-		-	
Refrigerant	nuonai onalye ol	g/m	2	0	2	20	
ndoor Unit			FLXS25	BAVMB	FLXS35	BAVMB	
Front Panel Co	blor			d White		d White	
	H		7.6 (268)	9.2 (325)	8.6 (304)	9.8 (346)	
	M	m³/min	6.8 (240)	8.3 (293)	7.6 (268)	8.9 (314)	
Airflow Rate	L	(cfm)	6.0 (212)	7.4 (261)	6.6 (233)	8.0 (282)	
ſ	SL	- (0)	5.2 (184)	6.6 (233)	5.6 (198)	7.2 (254)	
	SL Type	-	· · · · ·	0.0 (200) xo Fan	()	7.2 (234) co Fan	
an	Motor Output	W		4		34	
an	Speed	Steps		uiet, Auto		Quiet, Auto	
ir Direction C		Sieps	•	contal, Downward		contal. Downward	
Air Direction Co	Ontroi		0, ,	,	3 , - , -		
				able / Mildew Proof		able / Mildew Proof	
Running Curre		A	0.33 - 0.32 - 0.31	0.36 - 0.34 - 0.33	0.38 - 0.36 - 0.35	0.38 - 0.36 - 0.35	
Power Consum	nption (Hated)	W	70 - 70 - 70	74 - 74 - 74	78 - 78 - 78	78 - 78 - 78	
Power Factor		%	96.4 - 95.1 - 94.1	93.4 - 94.6 - 93.4	93.3 - 94.2 - 92.9	93.3 - 94.2 - 92.9	
emperature C		-	Microcomp			uter Control	
Dimensions (H		mm		050 × 200	,	050 × 200	
0	ensions (H \times W \times D)	mm	280 × 1,1		,	100 × 566	
Veight (Mass)		kg		6		6	
Gross Weight ((Gross Mass)	kg	2	2	2	2	
Sound	H/M/L/SL	dB(A)	37 / 34 / 31 / 28	37 / 34 / 31 / 29	38 / 35 / 32 / 29	39 / 36 / 33 / 30	
				53	54	55	
evel	_evel	dB	53				
evel Sound Power L	_evel	dB	53 RXS250	G2V1B9	-	G2V1B9	
evel Sound Power L Dutdoor Unit	_evel	dB	RXS250	G2V1B9 White	RXS350	G2V1B9 White	
evel Sound Power L Dutdoor Unit	_evel	dB	RXS250 Ivory		RXS35		
evel Sound Power L Dutdoor Unit Casing Color		dB	RXS250 Ivory Hermetically Sea	White	RXS35 Ivory Hermetically Se	White	
evel Sound Power L Dutdoor Unit Casing Color	Туре	dB	RXS250 Ivory Hermetically Se 1YC23	White aled Swing Type	RXS35 lvory Hermetically Se 1YC23	White aled Swing Type	
evel Sound Power L Dutdoor Unit Casing Color Compressor	Type Model		RXS256 Ivory Hermetically Se 1YC23 60	White aled Swing Type BAEXD	RXS35 Ivory Hermetically Se 1YC2: 6	White aled Swing Type BAEXD	
evel Sound Power L Dutdoor Unit Casing Color Compressor Refrigerant	Type Model Motor Output Model		RXS256 Ivory Hermetically Se 1YC23 60 FVC	White aled Swing Type BAEXD 500 550K	RXS35 lvory Hermetically Se 1YC2: 6 FVC	White aled Swing Type 3AEXD 00 250K	
evel Sound Power L Dutdoor Unit Casing Color Compressor Refrigerant Dil	Type Model Motor Output	W	RXS256 Ivory Hermetically Se 1YC23 60 FVC 0.3	White aled Swing Type BAEXD 00	RXS35 lvory Hermetically Se 1YC2: 6 FVC 0.:	White aled Swing Type 3AEXD 00	
evel Sound Power L Dutdoor Unit Casing Color Compressor Refrigerant Dil	Type Model Motor Output Model Charge	W	RXS256 Ivory Hermetically Se 1YC23 60 FVC 0.3 R-4	White aled Swing Type BAEXD 00 50K 875	RXS35 lvory Hermetically Se 1YC2: 6 FVC 0.3 R-4	White aled Swing Type 3AEXD 00 250K 375	
Level Sound Power L Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant	Type Model Motor Output Model Charge Model	W L kg	RXS256 Ivory Hermetically Se 1YC23 60 FVC 0.3 R-4	White aled Swing Type BAEXD 00 SOK 875 10A	RXS35 lvory Hermetically Se 1YC2: 6 FVC 0.3 R-4	White aled Swing Type 3AEXD 00 250K 375 10A	
Level Sound Power L Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant	Type Model Motor Output Model Charge Model Charge	W	RXS250 Ivory Hermetically Second 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183)	White aled Swing Type 3AEXD 30 550K 375 10A 0 28.3 (999)	RXS350 Ivory Hermetically Se 1YC23 60 FVC 0.3 R-4 36.0 (1,271)	White aled Swing Type 3AEXD 00 250K 375 10A .2	
Level Sound Power L Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate	Type Model Motor Output Model Charge Model Charge H SL	W L kg m³/min	RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063)	White aled Swing Type 3AEXD 30 250K 375 10A .0 28.3 (999) 25.6 (904)	RXS350 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063)	White aled Swing Type 3AEXD 00 250K 375 :10A .2 28.3 (999) 25.6 (904)	
evel Sound Power L Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Niflow Rate	Type Model Motor Output Model Charge Model Charge H SL Type	W L kg m³/min	RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063)	White aled Swing Type 3AEXD 30 550K 375 10A 0 28.3 (999)	RXS350 Ivory Hermetically Se 1YC2: 60 FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063)	White aled Swing Type 3AEXD 00 250K 375 10A .2 28.3 (999)	
evel Sound Power L Dutdoor Unit Dataor Unit Compressor Compressor Refrigerant Dil Refrigerant Arflow Rate San San	Type Model Motor Output Model Charge Model Charge H SL Type Motor Output	W L m³/min (cfm) W	RXS250 Ivory Hermetically Sec 1YC23 66 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2	White aled Swing Type BAEXD 30 50K 375 10A .0 28.3 (999) 25.6 (904) beller :3	RXS350 Ivory Hermetically Se 1YC23 66 FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 2	White aled Swing Type 3AEXD 00 250K 375 :10A .2 28.3 (999) 25.6 (904) peller 23	
evel Jound Power L Jutdoor Unit Zasing Color Compressor Refrigerant Jil Refrigerant sirflow Rate Fan Running Curre	Type Model Motor Output Model Charge Model Charge H SL SL Type Motor Output nt (Rated)	W L m³/min (cfm) W A	RXS250 Ivory Hermetically Second 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09	White aled Swing Type 3AEXD 300 500K 375 10A .0 28.3 (999) 25.6 (904) seller 3 4.34 - 4.16 - 3.97	RXS350 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55	White aled Swing Type 3AEXD 00 250K 375 :10A .2 28.3 (999) 25.6 (904) veller 23 5.42 - 5.14 - 4.95	
evel iound Power L Jutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant irflow Rate ian Running Curre Rower Consum	Type Model Motor Output Model Charge Model Charge H SL SL Type Motor Output nt (Rated)	W L m³/min (cfm) W A W	RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580	White aled Swing Type BAEXD 30 50K 375 10A .0 28.3 (999) 25.6 (904) beller :3	RXS350 Ivory Hermetically Se 1YC2: 60 FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052	White aled Swing Type 3AEXD 00 50K 375 100A .2 28.3 (999) 25.6 (904) veller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152	
evel ound Power L butdoor Unit casing Color compressor tefrigerant bil tefrigerant irflow Rate an tunning Curre tower Consum tower Factor	Type Model Motor Output Model Charge Model Charge H SL SL Type Motor Output nt (Rated) mption (Rated)	W L M³/min (cfm) W A W W A W	RXS250 Ivory Hermetically Second 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 78.2 - 76.9 - 78.2	White aled Swing Type 3AEXD 3AEXD 50K 375 10A .0 28.3 (999) 25.6 (904) veller :3 4.34 - 4.16 - 3.97 906 - 906 94.9 - 94.7 - 95.1	RXS350 Ivory Hermetically Se 1YC2: 60 FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3	White aled Swing Type 3AEXD 00 50K 375 10A .2 28.3 (999) 25.6 (904) veller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 96.6 - 97.4 - 97.0	
evel iound Power L iound Power L iutdoor Unit casing Color compressor tefrigerant iffigerant irflow Rate an iunning Curre iower Consun iower Factor itarting Currer	Type Model Modol Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated)	W L m³/min (cfm) W A W A W % A	RXS250 Ivory Hermetically Second 1YC23 60 FVC 0.3 R-44 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 580 - 580 78.2 - 76.9 - 78.2 4	White aled Swing Type SAEXD 3AEXD 300 250K 375 10A .0 28.3 (999) 25.6 (904) peller 3 4.34 - 4.16 - 3.97 906 - 906 94.9 - 94.7 - 95.1 .7	RXS350 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-44 1 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5	White aled Swing Type 3AEXD 3AEXD 00 250K 375 100A .2 28.3 (999) 25.6 (904) peller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 96.6 - 97.4 - 97.0 .8	
evel Sound Power L Jutdoor Unit Casing Color Compressor Compressor Refrigerant Afrigerant Arflow Rate Fan Sower Consum Power Consum Power Consum Power Consum Power Factor Starting Currer Dimensions (H	Type Model Motor Output Model Charge H SL Type Motor Output rt (Rated) nption (Rated) nt × W × D)	W L M ³ /min (cfm) W A W A W % A M W	RXS250 Ivory Hermetically Second 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 580 - 580 78.2 - 76.9 - 78.2 4 550 × 76	White aled Swing Type 3AEXD 300 550K 375 10A 0 28.3 (999) 25.6 (904) weller 3 4.34 - 4.16 - 3.97 906 - 906 94.9 - 94.7 - 95.1 .7 55 × 285	RXS350 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5 550 × 70	White aled Swing Type 3AEXD 00 250K 375 :10A .2 28.3 (999) 25.6 (904) peller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285	
evel Sound Power L Jutdoor Unit Compressor Compres	Type Model Modol Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated)	W L M ³ /min (cfm) W A W A W % A A mm	RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 78.2 - 76.9 - 78.2 4 550 × 74 612 × 90	White aled Swing Type 3AEXD 30 355 75 10A .0 25.6 (904) veller .3 4.34 - 4.16 - 3.97 .906 - 906 .94.9 - 94.7 - 95.1 .7 .55 × 285 .06 × 364	RXS350 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5 550 × 70 612 × 90	White aled Swing Type 3AEXD 00 250K 375 :10A .2 28.3 (999) 25.6 (904) peller :3 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285 06 × 364	
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Note:

The data are based on the	Conversion Formulae		
Cooling	Heating	Piping Length	
Indoor ; 27°CDB / 19°CWE Outdoor ; 35°CDB / 24°CW		5 m	$\begin{tabular}{l} kcal/h = kW \times 860 \\ Btu/h = kW \times 3412 \\ cfm = m^3/min \times 35.3 \end{tabular}$

Capacity Rated (Min. ~ Max.) kW 2.5 (1.2 - Buth Buth 8.500 (4,100 kcal/h 2.150 (1,300 Moisture Removal L/h 1.2 Running Current (Rated) A 3.7 - 3.6 Power Consumption Rated (Min. ~ Max.) W 650 (300 - Min. ~ Max.) Power Factor % 79.9 - 78.5 COP Rated (Min. ~ Max.) W/W 3.85 (4.00 Piping Connections Drain mm Max. Interunit Piping Length m Max. Max. Interunit Piping Length m Max. Amount of Additional Charge of Refrigerant g/m Refrigerant Front Panel Color f 7.6 (20) Airflow Rate M m?/min 6.8 (24) Airflow Rate Motor Output W 96.4 - 95.1 <t< th=""><th>FLXS25BAVME</th><th></th><th colspan="3">FLXS35BAVMB</th></t<>	FLXS25BAVME		FLXS35BAVMB		
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	- 3.49) 3	9.47 (4.14 ~ 3.02)	3.10 (4.00 ~ 3.02)	3.25 (4.14 ~ 2.70)	
	φ 6.4		φ (5.4	
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an $\begin{tabular}{ c c c c } \hline Motor Output & W & \hline Speed & Steps & \hline Steps & \hline Filter & $Remonstress of the second state o$,	6.6 (233)	5.6 (198)	7.2 (254)	
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Ir Filter Remote Second S	5 Steps, Quiet, Au	uto	5 Steps, C	Quiet, Auto	
Ir Filter Remote Second S	nt, Left, Horizontal, D	ownward	Right, Left, Horiz	ontal. Downward	
unning Current (Rated) A $0.33 \cdot 0.32$ ower Consumption (Rated) W $70 \cdot 70$ ower Factor % $96.4 \cdot 95.1$ emperature Control imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) ross Weight (Gross Mass) kg ound ross Weight (Gross Mass) kg ound ound Power Level dB 53 utdoor Unit utdoor Unit utdoor Unit asing Color Type He Model Model frigerant if Model if efrigerant Model if iflow Rate H m³/min SL (cfm) 30.1 (1,1) an Type a unning Current (Rated) A $3.37 \cdot 3.28$ ower Consumption (Rated) W 580 - 580 ower Consumption	vable / Washable / M		Removable / Wash	able / Mildew Proof	
ower Consumption (Rated) W 70 - 70 ower Factor % 96.4 - 95.1 emperature Control mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm ross Weight (Gross Mass) kg ound kg ross Weight (Gross Mass) kg ound ressure H / M / L / SL dB(A) asing Color dB utdoor Unit asing Color asing Color model Model Model Charge L Model m³/min Gast Gronge ifflow Rate H Moder Output W an Type Motor Output W unning Current (Rated) A an Type Motor Output W unning Current (Rated) A immensions (H × W × D) mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm	-0.31 ().36 - 0.34 - 0.33	0.38 - 0.36 - 0.35	0.38 - 0.36 - 0.35	
Type H Model Model Image and the second s		74 - 74 - 74	78 - 78 - 78	78 - 78 - 78	
emperature Control mm imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm /eight (Mass) kg ound kg ound H / M / L / SL evel H / M / L / SL ound Power Level dB asing Color Type Model Model Model Enge Model Model iif or Output W efrigerant Model ifflow Rate H Type Model Charge kg unning Current (Rated) A Motor Output W unning Current (Rated) A mensions (H × W × D) mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm)3.4 - 94.6 - 93.4	93.3 - 94.2 - 92.9	93.3 - 94.2 - 92.9	
immensions (H × W × D) mm ackaged Dimensions (H × W × D) mm feight (Mass) kg ross Weight (Gross Mass) kg ound ressure evel H / M / L / SL ound Power Level dB ound Power Level dB asing Color Type Model Model Motor Output W efrigerant Model iflow Rate H Type L ownor Output W uning Current (Rated) A Motor Output W unning Current (Rated) A mensions (H × W × D) mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm					
ackaged Dimensions (H × W × D) mm /eight (Mass) kg iross Weight (Gross Mass) kg ound kg ressure H / M / L / SL dB(A) average H / M / L / SL dB(A) ound Power Level dB 53 indoor Unit main for the second sec	Microcomputer Cor		Microcomp		
kg kg iross Weight (Gross Mass) kg ound ressure H / M / L / SL dB(A) 37 / 34 / 3 ound Power Level dB 53 ound Power Level dB 53 outdoor Unit mathematical states 1 intdoor Unit mathematical states 1 intdoor Unit Model 1 intflow Rate Model 1 inflow Rate H m³/min SL (cfm) 30.1 (1, 1) an Type Model inflow Rate H m³/min SL (cfm) 30.1 (1, 1) an Type A inning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Consumption (Rated) W 580 - 580 ower Consumption (Rated) W 580 - 580 ower Consumption (Rated) M 3.37 - 3.28 ower Consumption (Rated) M 3.37 - 3.28 <	$490 \times 1,050 \times 20$,	050 × 200	
Irross Weight (Gross Mass) kg ound ressure evel H / M / L / SL dB(A) 37 / 34 / 3 ound Power Level dB 53 outdoor Unit 53 asing Color Type He Model Model Model Model Model Charge L efrigerant Model ifflow Rate H m³/min SL 33.5 (1, (cfm) an Type Motor Output W unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm kg	$280 \times 1,100 \times 56$	6	280 × 1,1		
ound ressure evel H / M / L / SL dB(A) 37 / 34 / 3 ound Power Level dB 53 utdoor Unit dB 53 iasing Color Image: Color State	16			6	
Image: Pressure evel H / M / L / SL dB(A) 37 / 34 / 3 evel dB 53 jourdoor Unit	22		2	2	
Model He Compressor Model Model Model Charge L Refrigerant Model Model Model Charge L Refrigerant Model Model Charge Charge Kg SL (cfm) 30.1 (1,1) Fan Type Motor Output W Running Current (Rated) A Power Consumption (Rated) W Power Factor % Starting Current A Dimensions (H × W × D) mm Packaged Dimensions (H × W × D) mm Veight (Mass) kg	I / 28	37 / 34 / 31 / 29	38 / 35 / 32 / 29	39 / 36 / 33 / 30	
Mutdoor Unit Type He Compressor Model He Moder Charge L Aefrigerant Model Model Charge L Model Refrigerant Model Refrigerant Model Charge kg SL (cfm) 30.1 (1, 1, 1, 1) Fan Type Motor Output W Running Current (Rated) A 3.37 - 3.28 Power Consumption (Rated) W 580 - 580 Power Factor % 78.2 - 76.9 Starting Current A Mimensions (H × W × D) Packaged Dimensions (H × W × D) mm Meackaged Dimensions (H × W × D)		53	54	55	
Type He ompressor Model He Motor Output W W efrigerant Model Image: Clarage L efrigerant Model Image: Clarage L efrigerant Model Image: Clarage Kg efrigerant H m³/min 33.5 (1, 1, 1) an Type Image: Clarage Kg unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D)	RXS25J2V1B		BXS35		
Type He Model Model Motor Output W efrigerant Model il Charge L Model Charge Kg efrigerant Model 0.1 (.1, 1) an Type Motor Output W unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A mm ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D)	Ivory White		lvory		
Model Model Motor Output W efrigerant Model II Charge L efrigerant Model Thow Rate H m³/min SL (cfm) 30.1 (1,1) an Type 30.1 (1,1) unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D)	metically Sealed Sw	ing Type	,	aled Swing Type	
Motor Output W efrigerant il Model	1YC23AEXD	ייאני צייי	1YC23	V 71	
Model Model il Charge L efrigerant Model Model iflow Rate H m³/min SL (cfm) 30.1 (1,1,1) an Type Motor Output W unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm	600			00	
Instruction Charge L efrigerant Model Image Model inflow Rate H m³/min 33.5 (1, 1000) an Type Image Motor Output W unning Current (Rated) A 3.37 - 3.280 000000000000000000000000000000000000	FVC50K		FVC		
Model Model efrigerant Model Charge kg rflow Rate H m³/min SL 33.5 (1, (cfm) an Type 30.1 (1, 30.1 (1, Motor Output W unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 arting Current A a imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm feight (Mass) kg			-		
Charge kg irflow Rate H m³/min SL 33.5 (1, (cfm) an Type 30.1 (1, Motor Output 30.1 (1, W unning Current (Rated) A 3.37 - 3.28 0 wer Consumption (Rated) W ower Consumption (Rated) W 580 - 580 0 wer Factor % 78.2 - 76.9 78.2 - 76.9 tarting Current A imensions (H × W × D) mm mm 4 4 ackaged Dimensions (H × W × D) mm 4 4	0.375			375	
Charge kg irflow Rate H m³/min (cfm) 33.5 (1, (30.1 (1, 30.1 (1, 30.1 (1, 30.1 (1, 30.1 (2, 30.1 (1, 30.1 (2, 30.1 (2,	R-410A			10A	
SL (cfm) 30.1 (1,1) an Type Motor Output W unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) ackaged Dimensions (H × W × D) mm /eight (Mass) kg	1.0	00 0 (TTT)		.2	
SL (cm) 30.1 (1,1) an Type 30.1 (1,1) Motor Output W W unning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A atriting Current ackaged Dimensions (H × W × D) mm ackaged Dimensions (H × W × D) mm /eight (Mass) kg	,	28.3 (999)	36.0 (1,271)	28.3 (999)	
An Motor Output W tunning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm /eight (Mass) kg		25.6 (904)	30.1 (1,063)	25.6 (904)	
Motor Output W tunning Current (Rated) A 3.37 - 3.28 ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) ackaged Dimensions (H × W × D) mm veight (Mass) kg	Propeller			peller	
ower Consumption (Rated) W 580 - 580 ower Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm /eight (Mass) kg	23			3	
wer Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm Jeight (Mass) kg	- 3.09 4	1.34 - 4.16 - 3.97	4.92 - 4.74 - 4.55	5.42 - 5.14 - 4.95	
wer Factor % 78.2 - 76.9 tarting Current A imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm /eight (Mass) kg	- 580	906 - 906 - 906	1,052 - 1,052 - 1,052	1,152 - 1,152 - 1,152	
tarting Current A imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm /eight (Mass) kg		94.9 - 94.7 - 95.1	97.2 - 96.5 - 96.3	96.6 - 97.4 - 97.0	
imensions (H × W × D) mm ackaged Dimensions (H × W × D) mm /eight (Mass) kg	4.7		5.		
ackaged Dimensions (H × W × D) mm /eight (Mass) kg	550 × 765 × 285	5			
/eight (Mass) kg	612 × 906 × 364			06 × 364	
8 ()	34	•		4	
(roop Weight (Croop Mage)					
Gross Weight (Gross Mass) kg	38		3	8	
iound ressure H / SL dB(A) 46 / 4 evel	3	47 / 44	48 / 44	48 / 45	
Sound Power H dB 61 Drawing No.	3D059564	62	63 3D05	63	

Note:

The data are based on the co	Conversion Formulae		
Cooling	Heating	Piping Length	$kcal/h = kW \times 860$
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m	$RCal/H = RW \times 860$ Btu/h = kW × 3412 cfm = m ³ /min × 35.3

	Indoor Unit Outdoor Unit		FLXS25BAVMB RXS25K3V1B		FLXS35BAVMB		
Model					RXS35K2V1B		
			Cooling	Heating	Cooling	Heating	
		kW	2.5 (1.2 ~ 3.0)	3.4 (1.2 ~ 4.5)	3.5 (1.2 ~ 3.8)	4.0 (1.4 ~ 5.0)	
Capacity Rate	d (Min. ~ Max.)	Btu/h	8,500 (4,100 ~ 10,200)	11,600 (4,100 ~ 15,400)	11,900 (4,100 ~ 13,000)	13,600 (4,100 ~ 17,100)	
	,	kcal/h	2,150 (1,030 ~ 2,580)	2,920 (1,030 ~ 3,870)	3,010 (1,030 ~ 3,270)	3,440 (1,030 ~ 4,300)	
Moisture Remo	oval	L/h	1.2		1.9		
Running Curre		A	3.7 - 3.6 - 3.4	4.7 - 4.5 - 4.3	5.3 - 5.1 - 4.9	5.8 - 5.5 - 5.3	
Power Consur	· · · /						
(Min. ~ Max.)	nption nation	W	650 (300 ~ 860)	980 (290 ~ 1,490)	1,130 (300 ~ 1,260)	1,230 (290 ~ 1,850)	
Power Factor		%	79.9 - 78.5 - 79.7	94.8 - 94.7 - 95.0	96.9 - 96.3 - 96.1	96.4 - 97.2 - 96.7	
COP Rated (N	lin. ~ Max.)	W/W	3.85 (4.00 ~ 3.49)	3.47 (4.14 ~ 3.02)	3.10 (4.00 ~ 3.02)	3.25 (4.14 ~ 2.70)	
<u></u>	Liquid	mm	0.00 (1.00 ° 0.10) ¢ 6	()	1 1	6.4	
Piping Connections	Gas	mm				9.5	
	Drain	+ +	φ 9.5 φ 18.0			8.0	
Lest Insulation		mm			Both Liquid and Gas Pipes		
Heat Insulation		1	Both Liquid a				
Max. Interunit		m	2			20	
	Height Difference	m	1			5	
Chargeless		m	1	0	1	0	
Amount of Add	litional Charge of	g/m	2	0		20	
Refrigerant		9/111		-			
Indoor Unit			FLXS25			BAVMB	
Front Panel Co	olor		Almono	d White	Almon	d White	
	Н		7.6 (268)	9.2 (325)	8.6 (304)	9.8 (346)	
	M	m³/min	6.8 (240)	8.3 (293)	7.6 (268)	8.9 (314)	
Airflow Rate	L	(cfm)	6.0 (212)	7.4 (261)	6.6 (233)	8.0 (282)	
	SL	,	5.2 (184)	6.6 (233)	5.6 (198)	7.2 (254)	
			()	()		7.2 (234) co Fan	
Fan	Type Mater Output	14/	Siroco				
Fan	Motor Output	W	3			34	
	Speed	Steps	5 Steps, C			Quiet, Auto	
Air Direction C	ontrol		Right, Left, Horiz	,	0, ,	zontal, Downward	
Air Filter			Removable / Wash	able / Mildew Proof	Removable / Wash	able / Mildew Proof	
Running Curre	nt (Rated)	Α	0.33 - 0.32 - 0.31	0.36 - 0.34 - 0.33	0.38 - 0.36 - 0.35	0.38 - 0.36 - 0.35	
Power Consun		W	70 - 70 - 70	74 - 74 - 74	78 - 78 - 78	78 - 78 - 78	
Power Factor		%	96.4 - 95.1 - 94.1	93.4 - 94.6 - 93.4	93.3 - 94.2 - 92.9	93.3 - 94.2 - 92.9	
Temperature C	Control						
		mm	Microcomputer Control		Microcomputer Control 490 × 1,050 × 200		
Dimensions $(H \times W \times D)$ mm			490 × 1,050 × 200		490 × 1,050 × 200 280 × 1,100 × 566		
Packaged Dimensions ($H \times W \times D$) mm		280 × 1,100 × 566		,			
Weight (Mass)		kg	16		16		
Gross Weight	(Gross Mass)	kg	22		22		
Sound Pressure Level	H/M/L/SL	dB(A)	37 / 34 / 31 / 28	37 / 34 / 31 / 29	38 / 35 / 32 / 29	39 / 36 / 33 / 30	
Sound Power	Level	dB	51	51	53	54	
Outdoor Unit			RXS25	K3V1B	RXS35	K2V1B	
Casing Color			Ivory	-		White	
	Туре						
			Hermetically Sea	Hermetically Sealed Swing Type 1YC23AEXD		Hermetically Sealed Swing Type 1YC23AEXD	
Compressor					,	0 /1	
Compressor	Model	- W	1YC23	AEXD	1YC2:	3AEXD	
	Model Motor Output	W	1YC23 60	AEXD 00	1YC2: 6	3AEXD 00	
Refrigerant	Model Motor Output Model		1YC23 60 FVC	AEXD 00 50K	1YC2 6 FVC	3AEXD 00 C50K	
Refrigerant	Model Motor Output Model Charge	W L	1YC23 60 FVC 0.3	AEXD 00 50K 75	1YC2: 6 FVC 0.:	3AEXD 00 250K 375	
Refrigerant Oil	Model Motor Output Model Charge Model	L	1YC23 60 FVC 0.3 R-4	AEXD 00 50K 175 10A	1ÝC2: 6 FVC 0.: 8-4	3AEXD 00 250K 375 110A	
Refrigerant Oil	Model Motor Output Model Charge		1YC23 60 FVC 0.3 R-4	AEXD 00 50K 175 10A 0	1ÝC2: 6 FVC 0.: 8-4 1	3AEXD 00 250K 375 110A .2	
Refrigerant Oil Refrigerant	Model Motor Output Model Charge Model Charge H	L kg m³/min	1YC23 60 FVC 0.3 R-4	AEXD 00 50K 175 10A	1ÝC2: 6 FVC 0.: 8-4	3AEXD 00 250K 375 110A	
Refrigerant Oil Refrigerant	Model Motor Output Model Charge Model Charge	L	1YC23 60 FVC 0.3 R-4	AEXD 00 50K 175 10A 0	1ÝC2: 6 FVC 0.: 8-4 1	3AEXD 00 250K 375 110A .2	
Refrigerant Oil Refrigerant Airflow Rate	Model Motor Output Model Charge Model Charge H	L kg m³/min	1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183)	AEXD)0 50K 175 10A 0 28.3 (999) 25.6 (904)	1ÝC2: 6 FVC 0.: R-4 1 36.0 (1,271) 30.1 (1,063)	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904)	
Refrigerant Oil Refrigerant Airflow Rate	Model Motor Output Model Charge Model Charge H SL Type	L kg m³/min (cfm)	1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063)	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) reller	1ÝC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop	3AEXD 00 250K 375 110A .2 28.3 (999)	
Refrigerant Oil Refrigerant Airflow Rate Fan	Model Motor Output Model Charge Model Charge H SL SL Type Motor Output	L kg m³/min (cfm) W	1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2	AEXD 00 50K 50K 10A 0 28.3 (999) 25.6 (904) eller 3	1ÝC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23	
Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated)	L kg m³/min (cfm) W A	1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09	AEXD 00 50K 775 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) peller 23 5.42 - 5.14 - 4.95	
Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consur	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated)	L M ³ /min (cfm) W A W	1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 - 580	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152	
Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) mption (Rated)	L M³/min (cfm) W A W W X	1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 94.9 - 94.7 - 95.1	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) celler 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0	
Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consum Power Factor Starting Currer	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated) nt	L kg m ³ /min (cfm) W A W A W % A	1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) 2 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2 4.	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906 94.9 - 94.7 - 95.1 7	1YC2: 6 FVC 0.: R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8	
Refrigerant Dil Refrigerant Airflow Rate Fan Running Currer Power Consum Power Factor Starting Currer Dimensions (H	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated) nt X W × D)	L M ^{3/} min (cfm) W A W W A W W A M M	1YC23 60 FVC 0.3 R-4 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 580 - 580 78.2 - 76.9 - 78.2 4 550 × 76	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906 94.9 - 94.7 - 95.1 7 55 × 285	1YC2: 6 FVC 0.: R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5550 × 7	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285	
Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consum Power Factor Starting Curren Dimensions (H Packaged Dim	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated) nt I × W × D) ensions (H × W × D)	L kg m ³ /min (cfm) W A W A W % A	1YC23 60 FVC 0.3 R-4 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2 4 550 × 76 612 × 90	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906 94.9 - 94.7 - 95.1 7 55 × 285 36 × 364	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5 550 × 7 612 × 9	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285 06 × 364	
Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Consun Power Factor Starting Curret Dimensions (H Packaged Dim Weight (Mass)	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated) nt I × W × D) ensions (H × W × D)	L M ^{3/} min (cfm) W A W W A W W A M M	1YC23 60 FVC 0.3 R-4 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 580 - 580 78.2 - 76.9 - 78.2 4 550 × 76	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906 94.9 - 94.7 - 95.1 7 55 × 285 36 × 364	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5 550 × 7 612 × 9	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285	
Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Consun Power Factor Starting Curret Dimensions (H Packaged Dim Weight (Mass)	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated) nt I × W × D) ensions (H × W × D)	L kg m³/min (cfm) W A W % A mm mm kg	1YC23 60 FVC 0.3 R-4 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2 4 550 × 76 612 × 90	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906 94.9 - 94.7 - 95.1 7 55 × 285 26 × 364 4	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5 550 × 7 612 × 9	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285 06 × 364	
Weight (Mass) Gross Weight Sound Pressure	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) nption (Rated) nt I × W × D) ensions (H × W × D)	L M ³ /min (cfm) W A W A W % A M M M m m mm	1YC23 60 FVC 0.3 R-4 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 - 580 78.2 - 76.9 - 78.2 4, 550 × 77 612 × 90 3	AEXD 00 50K 75 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906 94.9 - 94.7 - 95.1 7 55 × 285 26 × 364 4	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5 550 × 7 612 × 9	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) beller 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285 06 × 364 34	
Refrigerant Oil Refrigerant Airflow Rate Fan Running Currer Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight (Mass) Gross Weight Sound	Model Motor Output Model Charge Model Charge H SL Type Motor Output nt (Rated) nt I × W × D) ensions (H × W × D) (Gross Mass)	L kg m ⁹ /min (cfm) W A W A W A M M M M M kg kg	1YC23 60 FVC 0.3 R-4 33.5 (1,183) 30.1 (1,063) Prop 2 3.37 - 3.28 - 3.09 580 - 580 78.2 - 76.9 - 78.2 4. 550 × 76 612 × 90 3 3 3	AEXD 00 50K 775 10A 0 28.3 (999) 25.6 (904) eller 3 4.34 - 4.16 - 3.97 906 - 906 - 906 94.9 - 94.7 - 95.1 7 55 × 285 36 × 364 4 8	1YC2: 6 FVC 0.3 R-4 36.0 (1,271) 30.1 (1,063) Prop 2 4.92 - 4.74 - 4.55 1,052 - 1,052 - 1,052 97.2 - 96.5 - 96.3 5 550 × 7 612 × 9 3 3	3AEXD 00 250K 375 110A .2 28.3 (999) 25.6 (904) 25.6 (904) 23 5.42 - 5.14 - 4.95 1,152 - 1,152 - 1,152 96.6 - 97.4 - 97.0 .8 65 × 285 06 × 364 34 88	

Note:

The data are based on the conditions shown in the table below.			Conversion Formulae
Cooling	Heating	Piping Length	
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m	$\begin{array}{l} kcal/h = kW \times 860 \\ Btu/h = kW \times 3412 \\ cfm = m^3/min \times 35.3 \end{array}$

	Indoor Unit			FLXS35BAVMB9		
Model	Outdoor Unit		RXS35L2V1B			
			Cooling	Heating		
		kW	3.5 (1.2 ~ 3.8)	4.0 (1.4 ~ 5.0)		
Capacity Rate	ed (Min. ~ Max.)	Btu/h	11,900 (4,100 ~ 13,000)	13,600 (4,100 ~ 17,100)		
		kcal/h	3,010 (1,030 ~ 3,270)	3,440 (1,030 ~ 4,300)		
Moisture Rem		L/h	1.9	—		
Running Curre	1 1	A	5.3 - 5.1 - 4.9	5.6 - 5.3 - 5.1		
Power Consur (Min. ~ Max.)	mption Rated	w	1,130 (300 ~ 1,260)	1,120 (290 ~ 1,850)		
Power Factor		%	96.9 - 96.3 - 96.1	94.7 - 94.8 - 94.7		
COP Rated (N		W/W	3.10 (4.00 ~ 3.02)	3.57 (4.14 ~ 2.70)		
	Liquid	mm	0.10 (1.00 0.02) 0 6.			
Piping	Gas	mm	φ 9.			
Connections	Drain	mm	φ 18			
Heat Insulation			Both Liquid and Gas Pipes			
	Piping Length	m	20			
	Height Difference	m	15			
Chargeless		m	10)		
Amount of Add	ditional Charge of	g/m	20			
Refrigerant	<u> </u>	9/11				
Indoor Unit			FLXS35B			
Front Panel C		\rightarrow	Almond			
	Н	_ L	8.6 (304)	12.8 (452)		
Airflow Rate	M	m³/min	7.6 (268)	10.4 (367)		
	L	(cfm)	6.6 (233)	8.0 (282)		
	SL		5.6 (198)	7.2 (254)		
_	Туре		Sirocco			
Fan	Motor Output	W	34			
	Speed	Steps	5 Steps, Q			
Air Direction C	Control		Right, Left, Horizo			
Air Filter			Removable / Washa			
Running Curre	ent (Rated)	A	0.38 - 0.36 - 0.35	0.38 - 0.36 - 0.35		
	mption (Rated)	W	78 - 78 - 78	78 - 78 - 78		
Power Factor		%	93.3 - 94.2 - 92.9	93.3 - 94.2 - 92.9		
Temperature (Microcomputer Control			
Dimensions $(H \times W \times D)$ mm			490 × 1,050 × 200			
Packaged Dimensions (H × W × D) mm			280 × 1,100 × 566			
Weight (Mass)		kg	<u> </u>			
Gross Weight	(Gross Mass)	kg	22	2		
Sound Pressure	H/M/L/SL	dB(A)	38 / 35 / 32 / 29	46 / 36 / 33 / 30		
Level						
Sound Power	Level	dB	53	59		
Outdoor Unit			RXS35L			
Casing Color			Ivory V			
	Туре		Hermetically Sea			
Compressor	Model		1YC23APXD			
	Motor Output	W	60			
Refrigerant Oil	Model		FVC			
OI	Charge	L	0.37			
Refrigerant	Model		R-41			
-	Charge	kg	1.2			
Airflow Rate	H	m³/min (cfm)	36.0 (1,271)	28.3 (999)		
	SL	(GIII)	30.1 (1,063)	25.6 (904)		
Fan	Type Mater Output	14/	Propeller			
Dunning Com	Motor Output	W	4 02 4 74 4 55			
Running Curre		AW	4.92 - 4.74 - 4.55 1.052 - 1.052 - 1.052	5.19 - 4.96 - 4.75		
Power Consur Power Factor	mption (Rated)	۷۷ %	97.2 - 96.5 - 96.3	<u>1,102 - 1,102 - 1,102</u> 96.6 - 97.4 - 97.0		
		A				
	0		5.8 550 × 765 × 285			
		mm	612 × 906 × 364			
, v	Packaged Dimensions (H × W × D) mm					
Weight (Mass) kg Gross Weight (Gross Mass) kg		kg	<u> </u>			
Sound	(01055 11055)	ку	38	,		
Pressure	H/SL	dB(A)	48 / 44	48 / 45		
Level	<u> </u>	+				
Sound Power Level	н	dB	61	60		
Drawing No.	+	+	C: 3D08	5637B		
Diaming NO.			U. 3D000037 D			

Note:

	■ The data are based on the conditions shown in the table below.		
Cooling	Heating	Piping Length	$kcal/h = kW \times 860$
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m	$Btu/h = kW \times 3412$ $cfm = m^3/min \times 35.3$

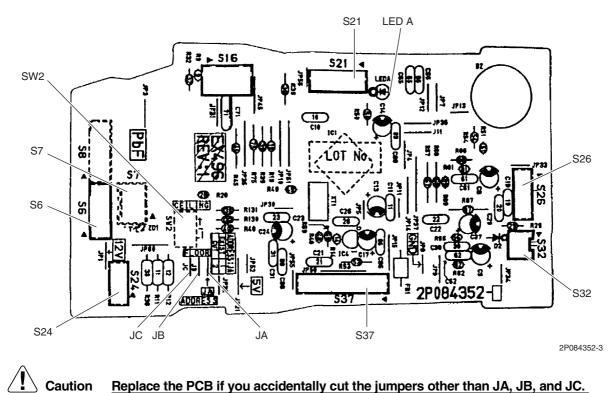
Part 3 Printed Circuit Board Connector Wiring Diagram

Indo	or Unit	
2.2	RK(X)S25/35G2V1B	22
2.3	RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B,	
	RXS35K2V1B, RXS35L2V1B	24
	Outd 2.1 2.2	Indoor Unit Outdoor Unit 2.1 RK(X)S25/35E2V1B 2.2 RK(X)S25/35G2V1B 2.3 RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B

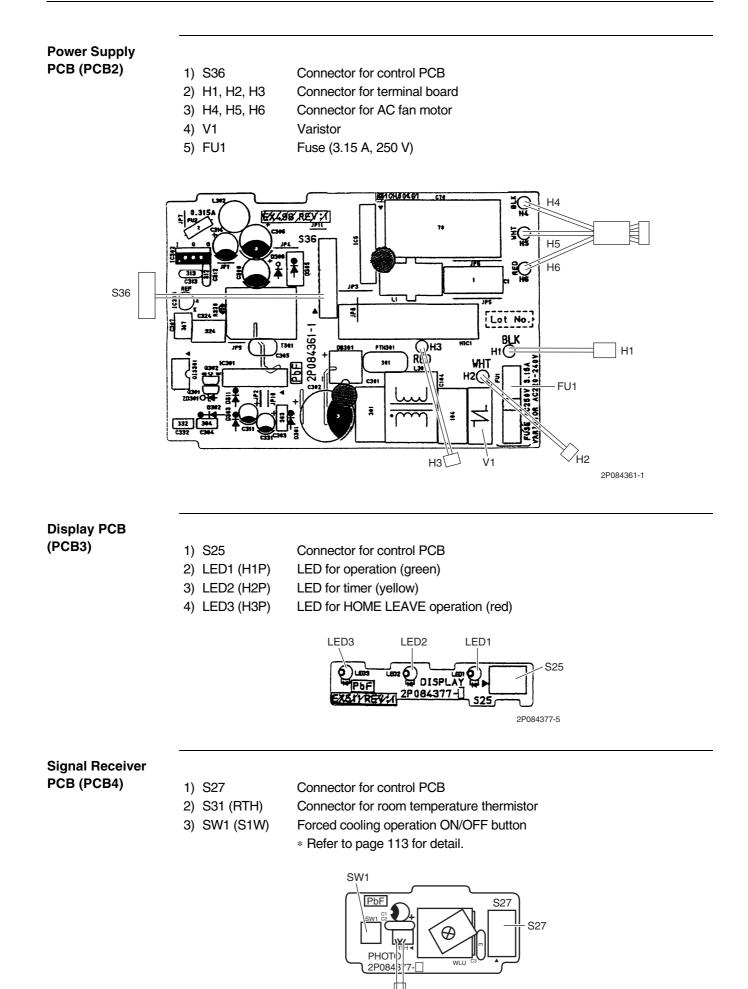
1. Indoor Unit

Control PCB (PCB1)

1)	S6	Connector for swing motor (horizontal swing)
2)	S7	Connector for AC fan motor
3)	S21	Connector for centralized control (HA)
4)	S24	Connector for display PCB
5)	S26	Connector for signal receiver PCB
6)	S32	Connector for indoor heat exchanger thermistor
7)	S37	Connector for power supply PCB
8)	JA	Address setting jumper
		* Refer to page 115 for detail.
9)	JB	Fan speed setting when compressor stops for thermostat OFF
	JC	Power failure recovery function
		* Refer to page 117 for detail.
10)	SW2	Select switch for installation (ceiling or floor)
		* Refer to page 117 for detail.
11)	LED A	LED for service monitor (green)



Replace the PCB if you accidentally cut the jumpers other than JA, JB, and JC. Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.



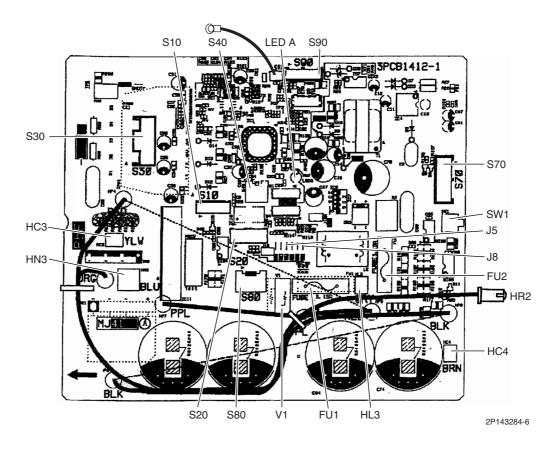
S31 (RTH)

2P084377-5

2. Outdoor Unit2.1 RK(X)S25/35E2V1B

Main PCB (PCB2)

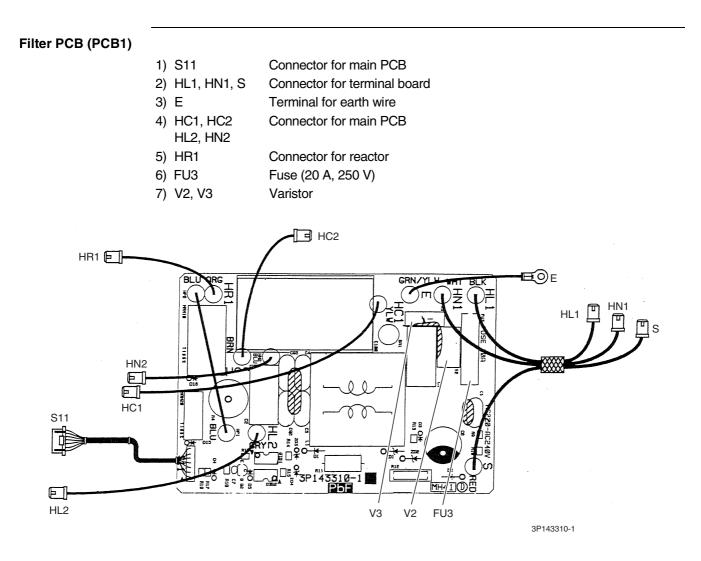
1) S10	Connector for filter PCB
2) S20	Connector for electronic expansion valve coil
3) S30	Connector for compressor
4) S40	Connector for overload protector
5) S70	Connector for fan motor
6) S80	Connector for four way valve coil
7) S90	Connector for thermistors
	(outdoor temperature, outdoor heat exchanger, discharge pipe)
8) HC3, HC4	Connector for filter PCB
HL3, HN3	
9) HR2	Connector for reactor
10)FU1, FU2	Fuse (3.15 A, 250 V)
11)LED A	LED for service monitor (green)
12)V1	Varistor
13)J5	Jumper for improvement of defrost performance
	* Refer to page 117 for detail.
14)J8	Jumper for facility setting
	* Refer to page 116 for detail.
15)SW1	Forced cooling operation ON/OFF button
	* Refer to page 113 for detail.





Replace the PCB if you accidentally cut the jumpers other than J5 and J8.

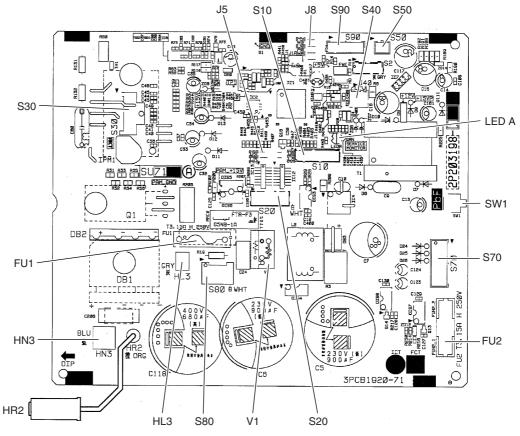
Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.



2.2 RK(X)S25/35G2V1B

Main PCB (PCB2)

1) S10	Connector for filter PCB
2) S20	Connector for electronic expansion valve coil
3) S30	Connector for compressor
4) S40	Connector for overload protector
5) S50	Connector for magnetic relay
6) S70	Connector for fan motor
7) S80	Connector for four way valve coil
8) S90	Connector for thermistors
	(outdoor temperature, outdoor heat exchanger, discharge pipe)
9) HL3, HN3	Connector for filter PCB
10)HR2	Connector for reactor
11)FU1, FU2	Fuse (3.15 A, 250 V)
12)LED A	LED for service monitor (green)
13)V1	Varistor
14)J5	Jumper for improvement of defrost performance
	* Refer to page 117 for detail.
15)J8	Jumper for facility setting
	* Refer to page 116 for detail.
16)SW1	Forced cooling operation ON/OFF button
	 Refer to page 113 for detail.



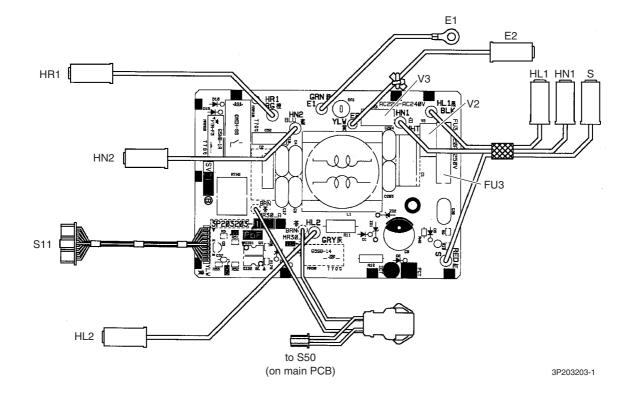
2P203198-1



Replace the PCB if you accidentally cut the jumpers other than J5 and J8. Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.

Filter PCB (PCB1)

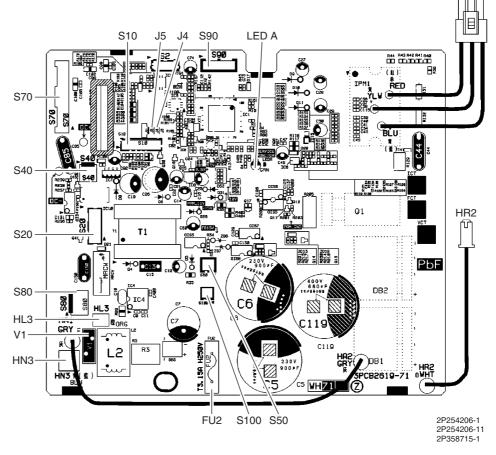
1) S11	Connector for main PCB
2) HL1, HN1, S	Connector for terminal board
3) E1	Terminal for earth wire
4) E2	Connector for terminal board (earth)
5) HL2, HN2	Connector for main PCB
6) HR1	Connector for reactor
7) FU3	Fuse (20 A, 250 V)
8) V2, V3	Varistor



2.3 RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B

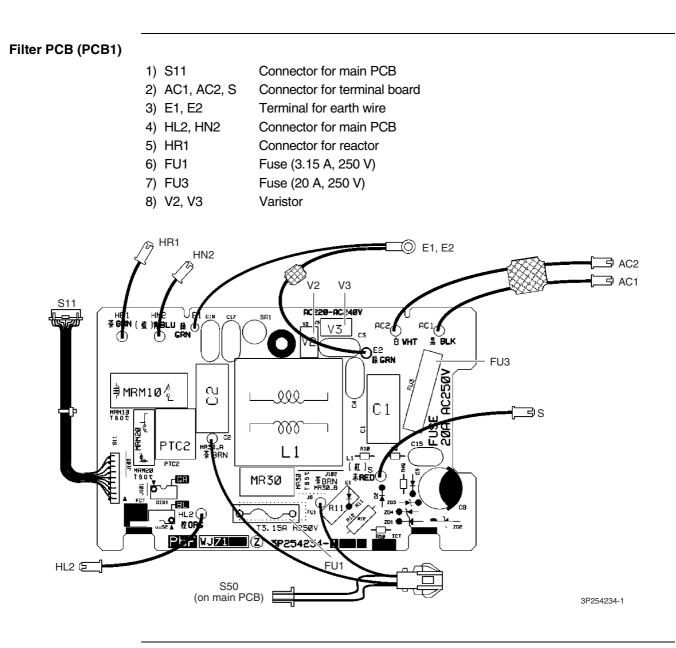
Main PCB (PCB2)

1) S10	Connector for filter PCB
2) S20	Connector for electronic expansion valve coil
3) S40	Connector for overload protector
4) S50	Connector for magnetic relay
5) S70	Connector for fan motor
6) S80	Connector for four way valve coil
7) S90	Connector for thermistors
	(outdoor temperature, outdoor heat exchanger, discharge pipe)
8) S100	Connector for forced operation button PCB
9) HL3, HN3	Connector for filter PCB
10)HR2	Connector for reactor
11)U, V, W	Connector for compressor
12)FU2	Fuse (3.15 A, 250 V)
13)LED A	LED for service monitor (green)
14)V1	Varistor
15)J4	Jumper for facility setting
	* Refer to page 116 for detail.
16)J5	Jumper for improvement of defrost performance
	* Refer to page 117 for detail.



Caution

Replace the PCB if you accidentally cut the jumpers other than J4 and J5. Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.



Forced Operation Button PCB (PCB3)

1) S110 2) SW1 Connector for main PCB Forced cooling operation ON/OFF button * Refer to page 113 for detail.



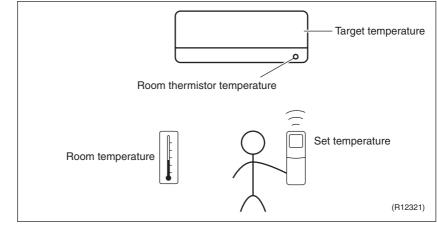
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Main Functions Temperature Control

Definitions of Temperatures The definitions of temperatures are classified as following.

- · Room temperature: temperature of lower part of the room
- Set temperature: temperature set by remote controller
- Room thermistor temperature: temperature detected by room temperature thermistor
- Target temperature: temperature determined by microcomputer



★ The illustration is for wall mounted type as representative.

Temperature Control

The temperature of the room is detected by the room temperature thermistor. However, there is a difference between the temperature detected by room temperature thermistor and the temperature of lower part of the room, depending on the type of the indoor unit or installation condition. Practically, the temperature control is done by the target temperature appropriately adjusted for the indoor unit and the temperature detected by room temperature thermistor.

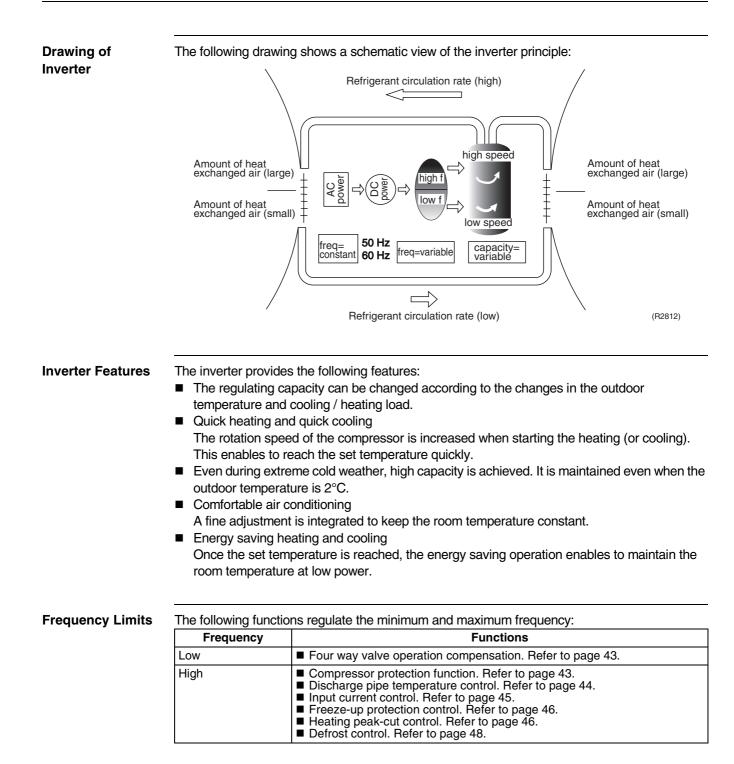
When the frequency decreases, the rotation speed of the compressor decreases resulting in a decrease of refrigerant circulation. This leads to a smaller amount of heat

1.2 Frequency Principle

Main ControlThe frequency of the compressor is controlled by the following 2 parameters:ParametersThe load condition of the operating indoor unitThe difference between the room thermistor temperature and the target temperature				
Additional Control Parameters	FrequInitial	et frequency is adapted by additional parameters in the following cases: ency restrictions settings d cooling operation		
Inverter Principle	the rotation	te the capacity, a frequency control is needed. The inverter makes it possible to alter on speed of the compressor. The following table explains the conversion principle:		
	Phase	Description		
	1	The supplied AC power source is converted into the DC power source for the present.		
	2	 The DC power source is reconverted into the three phase AC power source with variable frequency. When the frequency increases, the rotation speed of the compressor increases resulting in an increase of refrigerant circulation. This leads to a larger amount of heat exchange 		

per unit.

exchange per unit.



Forced Cooling Operation

Refer to page 113 for detail.

Airflow Direction Control 1.3

Auto-Swing

The following table explains the auto-swing process for cooling, dry, fan, and heating:

		<u> </u>
	Up and	d Down
	Cooling / Dry / Fan	Heating
Ceiling	(R2964)	(R2963)
Floor	40° +20° (R2967)	(R2966)

Fan Speed Control for Indoor Unit 1.4

```
Outline
```

Phase control and fan speed control contains 9 steps: LLL, LL, SL, L, ML, M, MH, H, and HH. The airflow rate can be automatically controlled depending on the difference between the room thermistor temperature and the target temperature.

Automatic Fan Speed Control

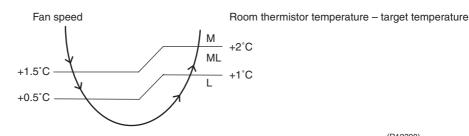
In automatic fan speed operation, the step SL is not available.

Step	Cooling	Heating
LLL		
LL		\land
L	\frown	
ML		
М		
MH		
Н		*
HH (POWERFUL)	(R6833)	(R6834)

= The airflow rate is automatically controlled within this range when the FAN setting button is set to automatic.

<Cooling>

The following drawing explains the principle of fan speed control for cooling.



(R12390)

<Heating>

In heating operation, the fan speed is regulated according to the indoor heat exchanger temperature and the difference between the room thermistor temperature and the target temperature.

1.5 Program Dry Operation

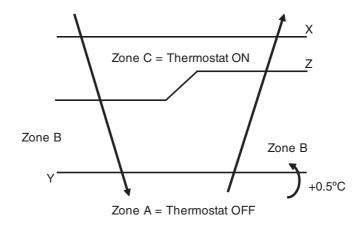
Outline

Program dry operation removes humidity while preventing the room temperature from lowering. Since the microcomputer controls both the temperature and airflow rate, the temperature adjustment and **FAN** setting buttons are inoperable.

Detail

The microcomputer automatically sets the temperature and airflow rate. The difference between the room thermistor temperature at start-up and the target temperature is divided into two zones. Then, the unit operates in an appropriate capacity for each zone to maintain the temperature and humidity at a comfortable level.

Room thermistor temperature at start-up	Target temperature X	Thermostat OFF point Y	Thermostat ON point Z
24°C or more	Room thermistor	X − 2.5°C	X – 0.5°C or Y + 0.5°C (zone B) continues for 10 min.
23.5°C ≀ 18°C	temperature at start-up	X – 2.0°C	X – 0.5°C or Y + 0.5°C (zone B) continues for 10 min.
17.5℃ ≀	18°C	X – 2.0°C	$X - 0.5^{\circ}C = 17.5^{\circ}C$ or $Y + 0.5^{\circ}C$ (zone B) continues for 10 min.



(R11581)

1.6 Automatic Operation

Outline

Automatic Cooling / Heating Function

When the automatic operation is selected with the remote controller, the microcomputer automatically determines the operation mode as cooling or heating according to the room temperature and the set temperature at start-up.

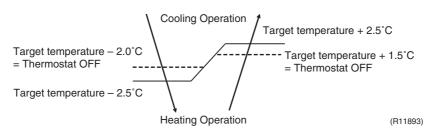
The unit automatically switches the operation mode to maintain the room temperature at the set temperature.

Detail

- Ts: set temperature (set by remote controller) Tt: target temperature (determined by microcomputer) Tr: room thermistor temperature (detected by room temperature thermistor) C: correction value
- 1. The set temperature (Ts) determines the target temperature (Tt). (Ts = $18 \sim 30^{\circ}$ C).
- 2. The target temperature (Tt) is calculated as; Tt = Ts + C

where C is the correction value. $C = 0^{\circ}C$

- 3. Thermostat ON/OFF point and operation mode switching point are as follows.
 - Tr means the room thermistor temperature.
 - (1) Heating \rightarrow Cooling switching point:
 - $Tr \ge Tt + 2.5^{\circ}C$
 - (2) Cooling \rightarrow Heating switching point: Tr < Tt - 2.5°C
 - (3) Thermostat ON/OFF point is the same as the ON/OFF point of cooling or heating operation.
- 4. During initial operation
 - $Tr \ge Ts$: Cooling operation
 - Tr < Ts : Heating operation



Ex: When the target temperature is 25°C

Cooling \rightarrow 23.0°C: Thermostat OFF \rightarrow 22.0°C: Switch to heating Heating \rightarrow 26.5°C: Thermostat OFF \rightarrow 27.5°C: Switch to cooling

Thermostat Control 1.7

Outline

Thermostat control is based on the difference between the room thermistor temperature and the target temperature.

Detail

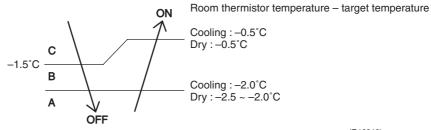
Thermostat OFF Condition

• The temperature difference is in the zone A.

Thermostat ON Conditions

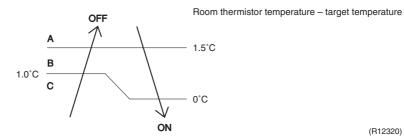
- The temperature difference returns to the zone C after being in the zone A. ٠
- The system resumes from defrost control in any zones except A. ٠
- The operation turns on in any zones except A. ٠
- The monitoring time has passed while the temperature difference is in the zone B. (Cooling / Dry: 10 minutes, Heating: 10 seconds)

<Cooling / Dry>



(R12319)

<Heating>



(R12320)



Refer to Temperature Control on page 27 for detail.

1.8 NIGHT SET Mode

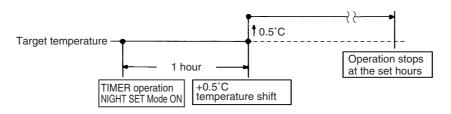
Outline

When the OFF TIMER is set, NIGHT SET Mode is automatically activated. NIGHT SET Mode keeps the airflow rate setting.

Detail

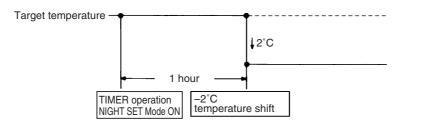
NIGHT SET Mode continues operation at the target temperature for the first one hour, then automatically raises the target temperature slightly in the case of cooling, or lowers it slightly in the case of heating. This prevents excessive cooling in summer and excessive heating in winter to ensure comfortable sleeping conditions, and also conserves electricity.

<Cooling>



(R18917)

<Heating>



(R19386)

1.9 HOME LEAVE Operation

Outline

HOME LEAVE operation is a function that allows you to record your preferred set temperature and airflow rate. You can start your preferred operation mode simply by pressing the **HOME LEAVE** button on the remote controller.

Detail

The indoor unit is operated according to the set temperature and airflow rate for HOME LEAVE which were preset in the memory of the remote controller.

Start of Function

The function starts when the **HOME LEAVE** button is pressed in cooling operation, heating operation (including POWERFUL operation), or while the operation is stopped.

A mark representing HOME LEAVE is indicated on the display of the remote controller, and the LED (red) of indoor unit representing HOME LEAVE lights up. (It goes out when the operation is stopped.)

- If the HOME LEAVE button is pressed in POWERFUL operation, the POWERFUL operation is canceled and the HOME LEAVE function becomes effective.
- The **HOME LEAVE** button is ineffective in dry operation and fan operation.

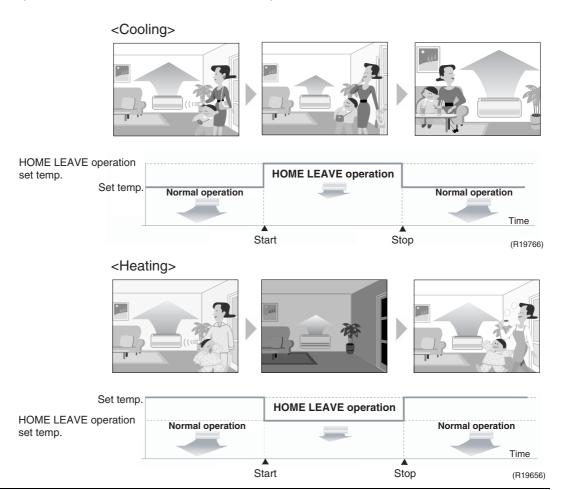
Details of Function

A mark representing HOME LEAVE is indicated on the display of the remote controller. The indoor unit is operated according to the set temperature and airflow rate for HOME LEAVE which were recorded in the memory of the remote controller.

The LED (red) of indoor unit representing HOME LEAVE lights up. (It goes out when the operation is stopped.)

End of Function

The function ends when the **HOME LEAVE** button is pressed again during HOME LEAVE operation or when the **POWERFUL** button is pressed.



Setting Temperature and Airflow Rate

When using HOME LEAVE operation for the first time, set your preferred temperature and airflow rate for HOME LEAVE operation.

Initial setting		Selectat	ole range	
	Temperature	Airflow rate	Temperature	Airflow rate
Cooling	25°C	A	18 ~ 32°C	5 steps, 🖄 , 🏾 🖄
Heating	25°C	A	10 ~ 30°C	5 steps, \Lambda , 🏾 🖄

1. Press the **HOME LEAVE** button.

Make sure a is displayed on the remote controller.

- 2. Adjust the temperature with the \blacktriangle or \blacktriangledown button.
- 3. Adjust the airflow rate with the **FAN** button.

HOME LEAVE operation will run with these settings the next time you start HOME LEAVE operation. To change the recorded information, repeat steps 1 - 3.

Note:

- The set temperature and airflow rate are recorded in the remote controller. When the remote controller is reset due to battery replacement, the temperature and airflow rate for HOME LEAVE operation needs to be set again.
 - 2. The operation mode cannot be changed while HOME LEAVE operation is being used.

1.10 Inverter POWERFUL Operation

Outline

In order to exploit the cooling and heating capacity to full extent, the air conditioner can be operated by increasing the indoor fan rotating speed and the compressor frequency.

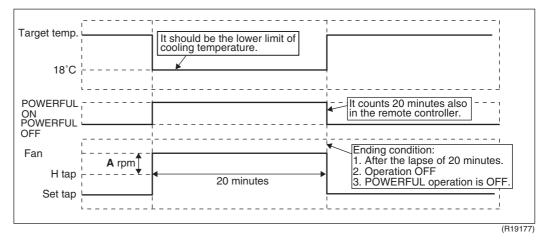
Detail

When the **POWERFUL** button is pressed, the fan speed and target temperature are converted to the following states for 20 minutes.

Operation mode	Fan speed	Target temperature
COOL	H tap + A rpm	18°C
DRY	Dry rotating speed + A rpm	Lowered by 2.5°C
HEAT	H tap + A rpm	30°C
FAN	H tap + A rpm	—
AUTO	Same as cooling / heating in POWERFUL operation	The target temperature is kept unchanged.

A = 50 rpm

Ex: POWERFUL operation in cooling



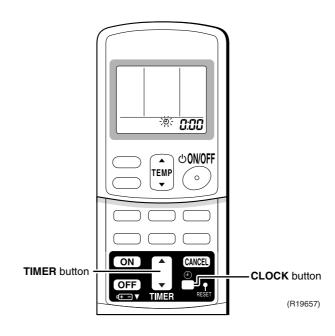
Function and Control

1.11 Clock Setting

ARC433 Series

The clock can be set by taking the following steps:

- 1. Press the **CLOCK** button. \rightarrow 0:00 is displayed and O blinks.
- Press the TIMER ▲ or ▼ button to set the clock to the present time.
 Holding down the TIMER ▲ or ▼ button increases or decreases the time display rapidly.
- 3. Press the **CLOCK** button again.
 - \rightarrow : blinks and clock setting is completed.



1.12 Other Functions

1.12.1 Hot-Start Function

In order to prevent the cold air blast that normally occurs when heating operation is started, the temperature of the indoor heat exchanger is detected, and the airflow is either stopped or significantly weakened resulting in comfortable heating.



The cold air blast is prevented using similar control when defrost control starts or when the thermostat is turned ON.

1.12.2 Signal Receiving Sign

When the indoor unit receives a signal from the remote controller, the unit emits a signal receiving sound.

1.12.3 Indoor Unit ON/OFF Button

An **ON/OFF** button is provided on the display of the unit.

- Press the **ON/OFF** button once to start operation. Press once again to stop it.
- The ON/OFF button is useful when the remote controller is missing or the battery has run out.
- The operation mode refers to the following table.

	Operation mode	Temperature setting	Airflow rate
Cooling Only	COOL	22°C	Automatic
Heat Pump	AUTO	25°C	Automatic

(R19658)

<Forced cooling operation>

Forced cooling operation can be started by pressing the **ON/OFF** button for 5 to 9 seconds while the unit is not operating. Refer to page 113 for detail.



When the **ON/OFF** button is pressed for 10 seconds or more, the forced cooling operation is stopped.

1.12.4 Photocatalytic Deodorizing Filter

The photocatalytic deodorizing filter powerfully decomposes odor of tobacco, pet, etc. The deodorizing power is regenerated simply by being exposed to the sunshine. It is recommended to dry the filter in the sun for about 6 hours (after vacuuming the filter) every 6 months.

1.12.5 Air-Purifying Filter

The air-purifying filter collects tobacco smoke, pollen, etc. with electrostatic agency. This filter includes a deodorizing active carbon filter that removes minute particles of odor. Replace the air-purifying filter every 3 months.

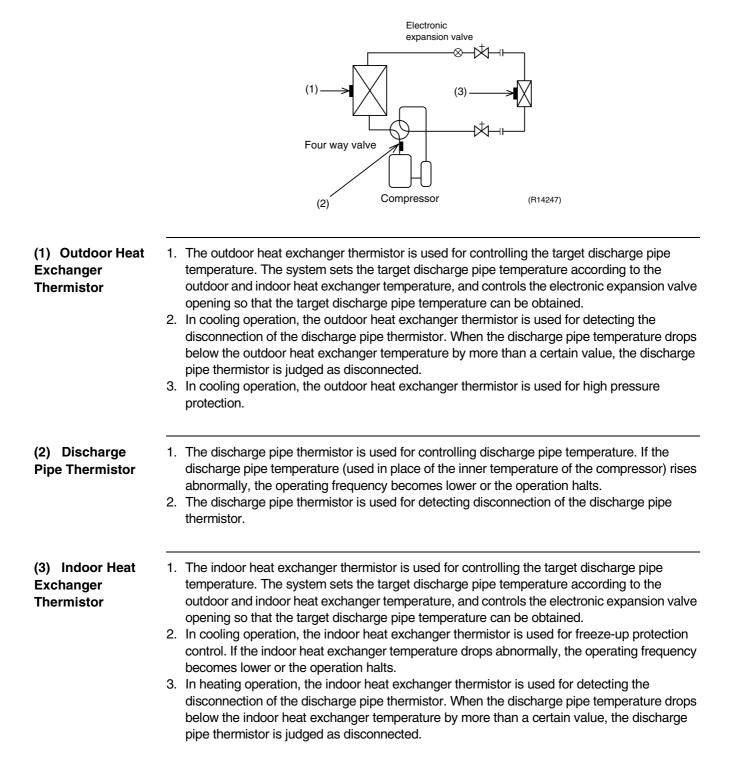
1.12.6 Auto-restart Function

If a power failure (including one for just a moment) occurs during the operation, the operation restarts automatically when the power is restored in the same condition as before the power failure.



: It takes 3 minutes to restart the operation because the 3-minute standby function is activated.

2. Function of Thermistor

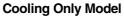


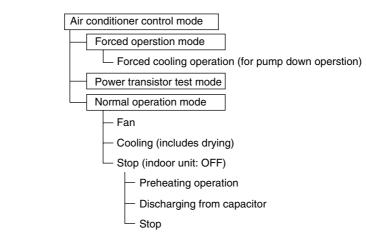
3. Control Specification 3.1 Mode Hierarchy

Outline

The air conditioner control has normal operation mode, forced operation mode, and power transistor test mode for installation and servicing.

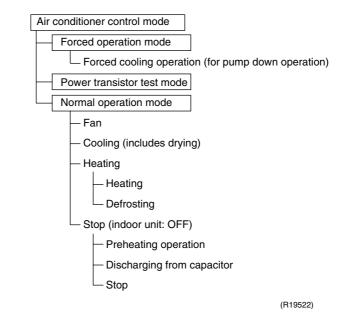
Detail





(R19505)

Heat Pump Model





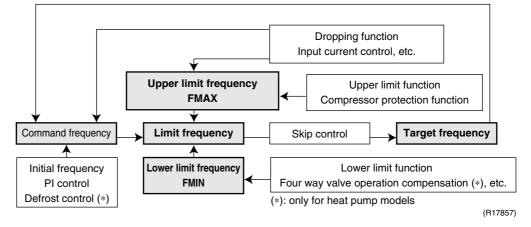
Note: Unless specified otherwise, a dry operation command is regarded as cooling operation.

3.2 Frequency Control

Outline

The compressor frequency is determined according to the difference between the room thermistor temperature and the target temperature.

When the shift of the frequency is less than zero ($\Delta F<0$) by PI control, the target frequency is used as the command frequency.



Detail

For Cooling Only Model

1. Determine command frequency

- Command frequency is determined in the following order of priority.
 1. Forced cooling

 - 2. Indoor frequency command

2. Determine upper limit frequency

 The minimum value is set as an upper limit frequency among the frequency upper limits of the following functions: Compressor protection, input current, discharge pipe temperature, freeze-up protection.

3. Determine lower limit frequency

 The maximum value is set as a lower limit frequency among the frequency lower limits of the following function: Pressure difference upkeep.

4. Determine prohibited frequency

There is a certain prohibited frequency such as a power supply frequency.

For Heat Pump Model

1. Determine command frequency

- Command frequency is determined in the following order of priority.
 - 1. Limiting defrost control time
 - 2. Forced cooling
 - 3. Indoor frequency command

2. Determine upper limit frequency

 The minimum value is set as an upper limit frequency among the frequency upper limits of the following functions:

Compressor protection, input current, discharge pipe temperature, heating peak-cut, freezeup protection, defrost.

3. Determine lower limit frequency

• The maximum value is set as a lower limit frequency among the frequency lower limits of the following functions:

Four way valve operation compensation, draft prevention, pressure difference upkeep.

4. Determine prohibited frequency

• There is a certain prohibited frequency such as a power supply frequency.

Initial Frequency When starting the compressor, the frequency is initialized according to the ΔD signal and the Q value of the indoor unit.

<\(\D) signal: Indoor frequency command>

The difference between the room thermistor temperature and the target temperature is recognized as the ΔD signal and is used for frequency command.

Temperature difference	∆D signal	Temperature difference	∆D signal	Temperature difference	∆D signal	Temperature difference	∆D signal
-2.0	*OFF	0	4	2.0	8	4.0	С
-1.5	1	0.5	5	2.5	9	4.5	D
-1.0	2	1.0	6	3.0	А	5.0	E
-0.5	3	1.5	7	3.5	В	5.5	F

*OFF = Thermostat OFF

<Q value>

Q value is the indoor unit output determined from indoor heat exchanger volume and airflow rate set by remote controller.

PI Control

1. P control

The ΔD value is calculated in each sampling time (15 ~ 20 seconds), and the frequency is adjusted according to its difference from the frequency previously calculated.

2. I control

If the operating frequency does not change for more than a certain fixed time, the frequency is adjusted according to the ΔD value.

When the ΔD value is low, the frequency is lowered.

When the ΔD value is high, the frequency is increased.

3. Frequency management when other controls are functioning

When frequency is dropping;

Frequency management is carried out only when the frequency drops.

For controlling lower limit;
 Frequency management is carried out only when the frequency rises.

4. Upper and lower limit of frequency by PI control

The frequency upper and lower limits are set according to the command of the indoor unit. When the indoor or outdoor unit quiet operation command comes from the indoor unit, the upper limit frequency is lower than the usual setting.

3.3 Controls at Mode Changing / Start-up

3.3.1 Preheating Control

Outline

The inverter operation in open phase starts with the conditions of the preheating command from the indoor unit, the outdoor temperature, and the discharge pipe temperature.

Detail

RK(X)S25/35E2V1B, RK(X)S25/35G2V1B

ON Condition

 When the discharge pipe temperature is below 10°C, the inverter operation in open phase starts.

OFF Condition

 When the discharge pipe temperature is higher than 12°C, the inverter operation in open phase stops.

■ RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B Outdoor temperature $\ge A^{\circ}C \rightarrow Control I$

Outdoor temperature $\geq \mathbf{A}^\circ \mathbf{C} \rightarrow \text{Control II}$

Control I

ON condition

Discharge pipe temperature < B°C

OFF condition
 Discharge pipe temperature > C°C
 Radiation fin temperature ≥ 90°C

Control II

ON condition

Discharge pipe temperature < D°C

OFF condition Discharge pipe temperature > $E^{\circ}C$ Radiation fin temperature > 90°C

	A (°C)	B (°C)	C (°C)	D (°C)	E (°C)
RK(X)S25/35G2V1B9 RXS25/35J2V1B	7	10	12	20	22
RXS25K3V1B RXS35K2V1B RXS35L2V1B	-2.5	0	2	10	12

3.3.2 Four Way Valve Switching

Outline

In heating operation, current is conducted, and in cooling operation and defrost control, current is not conducted. In order to eliminate the switching sound as the four way valve coil switches from ON to OFF when the heating is stopped, the OFF delay switch of the four way valve is carried out.

Detail

OFF delay switch of four way valve

The four way valve coil is energized for 160 seconds after the operation is stopped.

3.3.3 Four Way Valve Operation Compensation

Outline

At the beginning of operation as the four way valve is switched, the pressure difference to activate the four way valve is acquired when the output frequency is higher than a certain fixed frequency, for a certain fixed time.

Detail

Starting Conditions

- 1. When the compressor starts and the four way valve switches from OFF to ON
- 2. When the four way valve switches from ON to OFF during operation
- 3. When the compressor starts after resetting
- 4. When the compressor starts after the fault of four way valve switching

The lower limit of frequency keeps **A** Hz for **B** seconds with any conditions 1 through 4 above.

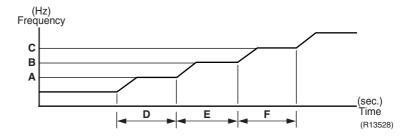
	Cooling	Heating
A (Hz)	68	66
B (seconds)	4	5

3.3.4 3-minute Standby

Turning on the compressor is prohibited for 3 minutes after turning it off. (The function is not activated when defrosting.)

3.3.5 Compressor Protection Function

When turning the compressor from OFF to ON, the upper limit of frequency is set as follows. (The function is not activated when defrosting.)



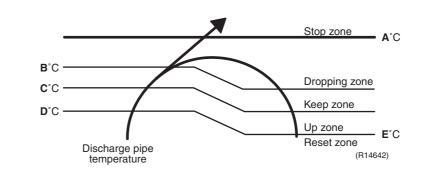
A (Hz)	48	
B (Hz)	64	
C (Hz)	88	
D (seconds)	240	
E (seconds)	360	
F (seconds)	180	

3.4 Discharge Pipe Temperature Control

Outline

The discharge pipe temperature is used as the internal temperature of the compressor. If the discharge pipe temperature rises above a certain level, the upper limit of frequency is set to keep the discharge pipe temperature from rising further.

Detail



Zone	Control
Stop zone	When the temperature reaches the stop zone, the compressor stops.
Dropping zone	The upper limit of frequency decreases.
Keep zone	The upper limit of frequency is kept.
Up zone	The upper limit of frequency increases.
Reset zone	The upper limit of frequency is canceled.

A (°C)	110
B (°C)	105
C (°C)	101
D (°C)	99
E (°C)	97

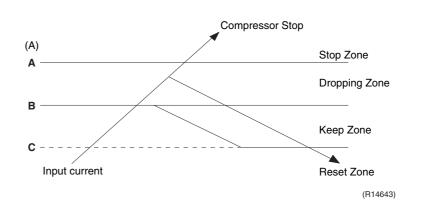
3.5 Input Current Control

Outline

The microcomputer calculates the input current while the compressor is running, and sets the frequency upper limit based on the input current.

In case of heat pump models, this control is the upper limit control of frequency and takes priority over the lower limit control of four way valve operation compensation.

Detail



Frequency control in each zone

Stop zone

• After 2.5 seconds in this zone, the compressor is stopped.

Dropping zone

- The upper limit of the compressor frequency is defined as operation frequency 2 Hz.
- After this, the output frequency is lowered by 2 Hz every second until it reaches the keep zone.

Keep zone

• The present maximum frequency goes on.

Reset zone

• Limit of the frequency is canceled.

	RK(X)S25E2V1B		RK(X)S25E2V1B RK(X)S25G2V1B			RK(X)S25G2V1B9 RXS25J2V1B		
	Cooling	Heating	Cooling	Cooling Heating		Heating		
A (A)	9.25		9.25		9.25			
B (A)	6.0	7.5	6.5	7.5	6.25	7.5		
C (A)	5.25	6.75	5.75	6.75	5.5	6.75		

	RXS25K3V1B			85E2V1B 85G2V1B	RXS35	5G2V1B9 5J2V1B K2V1B 5L2V1B
	Cooling	Heating	Cooling	Heating	Cooling	Heating
A (A)	A (A) 9.25 B (A) 7.5		9.25		9.25	
B (A)			7.25	8.25	8.	25
C (A)	6.75		6.5	7.5	7	.5

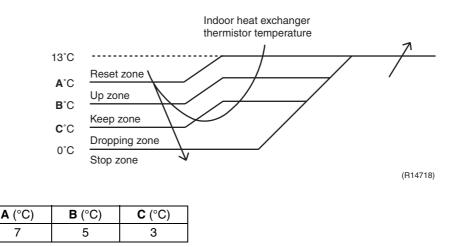
Limitation of current dropping and stop value according to the outdoor temperature

• The current drops when outdoor temperature becomes higher than a certain level (depending on the model).

3.6 Freeze-up Protection Control

During cooling operation, the signal sent from the indoor unit controls the operating frequency limitation and prevents freezing of the indoor heat exchanger. (The signal from the indoor unit is divided into zones.)

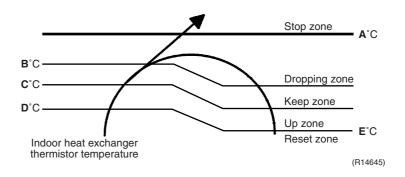
The operating frequency limitation is judged with the indoor heat exchanger temperature.



3.7 Heating Peak-cut Control

During heating operation, the indoor heat exchanger temperature determines the frequency upper limit to prevent abnormal high pressure.

The operating frequency limitation is judged with the indoor heat exchanger temperature.



Zone	Control		
Stop zone	When the temperature reaches the stop zone, the compressor stops.		
Dropping zone	The upper limit of frequency decreases.		
Keep zone	The upper limit of frequency is kept.		
Up zone	The upper limit of frequency increases.		
Reset zone	The upper limit of frequency is canceled.		

A (°C)	B (°C)	C (°C)	D (°C)	E (°C)
65	56	53	51	46

3.8 Outdoor Fan Control

1. Fan ON control to cool down the electrical box

The outdoor fan is turned ON when the electrical box temperature is high while the compressor is OFF.

2. Fan OFF control during defrosting

The outdoor fan is turned OFF during defrosting.

3. Fan OFF delay when stopped

The outdoor fan is turned OFF 60 seconds after the compressor stops.

4. Fan speed control for pressure difference upkeep

The rotation speed of the outdoor fan is controlled for keeping the pressure difference during cooling operation with low outdoor temperature.

- When the pressure difference is low, the rotation speed of the outdoor fan is reduced.
- When the pressure difference is high, the rotation speed of the outdoor fan is controlled as well as normal operation.

5. Fan speed control during forced cooling operation

The outdoor fan is controlled as well as normal operation during forced cooling operation.

6. Fan speed control during POWERFUL operation

The rotation speed of the outdoor fan is increased during POWERFUL operation.

7. Fan speed control during indoor / outdoor unit quiet operation

The rotation speed of the outdoor fan is reduced by the command of the indoor / outdoor unit quiet operation.

8. Fan ON/OFF control when operation starts / stops

The outdoor fan is turned ON when the operation starts. The outdoor fan is turned OFF when the operation stops.

3.9 Liquid Compression Protection Function

Outline In order to increase the dependability of the compressor, the compressor is stopped according to the outdoor temperature and temperature of the outdoor heat exchanger.

Detail Operation stops depending on the outdoor temperature. Compressor turns off under the conditions that the system is in cooling operation and outdoor temperature is below –12°C.

3.10 Defrost Control

Outline

Defrosting is carried out by the cooling cycle (reverse cycle). The defrosting time or outdoor heat exchanger temperature must be more than a certain value to finish defrosting.

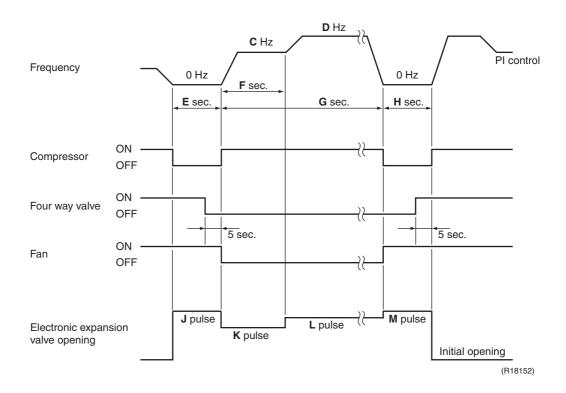
Detail

Conditions for Starting Defrost

- The starting conditions are determined with the outdoor temperature and the outdoor heat exchanger temperature.
- The system is in heating operation.
- The compressor operates for 6 minutes.
- More than A minutes of accumulated time pass after the start of the operation, or ending the previous defrosting.

Conditions for Canceling Defrost

The judgment is made with the outdoor heat exchanger temperature. (B°C)



	RXS25/35E2V1B	RXS25/35G2V1B RXS25/35G2V1B9 RXS25/35J2V1B	RXS25K3V1B	RXS35K2V1B RXS35L2V1B
A (minutes)	28	28	28	28
B (°C)	4 ~ 18	4 ~ 18	4 ~ 18	4 ~ 18
C (Hz)	74	76	68	76
D (Hz)	86	86	86	86
E (seconds)	50	50	50	50
F (seconds)	60	60	60	60
G (seconds)	480	480	480	480
H (seconds)	50	60	50	60
J (pulse)	450	450	450	450
K (pulse)	350 ★	350 ★	350	200
L (pulse)	350 ★	350 ★	400	300
M (pulse)	450	450	450	450

★: The same value continues.

3.11 Electronic Expansion Valve Control

Outline

The following items are included in the electronic expansion valve control.

Electronic expansion valve is fully closed

1. Electronic expansion valve is fully closed when turning on the power.

2. Pressure equalizing control

Open Control

- 1. Electronic expansion valve control when starting operation
- 2. Electronic expansion valve control when the frequency changes
- 3. Electronic expansion valve control for defrosting
- 4. Electronic expansion valve control when the discharge pipe temperature is abnormally high
- 5. Electronic expansion valve control when the discharge pipe thermistor is disconnected

Feedback Control

Target discharge pipe temperature control

Detail

The followings are the examples of electronic expansion valve control which function in each operation mode.

Status Control	Power on ; Compressor stop	Operation start	Frequency change under starting control	During target discharge pipe temperature control	Frequency change under target discharge pipe temperature control	Discharge pipe thermistor disconnection	Frequency change under discharge pipe thermistor disconnection control	During defrost control
Starting operation control	_	•		-	—	—	_	—
Control when the frequency changes	—	_	•	-	•	—	_	_
Target discharge pipe temperature control	_		-	•		—	-	_
Discharge pipe thermistor disconnection control	_		_	_		•	•	_
High discharge pipe temperature control		•	•	•	•	_	_	_
Defrost control (heating only)			_	_		_	_	٠
Pressure equalizing control			_	_	_	_	_	_
Opening limit control	_	•	•	•	•	•	•	—

• : Available

— : Not available

3.11.1 Fully Closing with Power ON

The electronic expansion valve is initialized when turning on the power. The opening position is set and the pressure is equalized.

3.11.2 Pressure Equalizing Control

When the compressor is stopped, the pressure equalizing control is activated. The electronic expansion valve opens, and develops the pressure equalization.

3.11.3 Opening Limit Control

The maximum and minimum opening of the electronic expansion valve are limited.

Maximum opening (pulse)	480
Minimum opening (pulse)	52

The electronic expansion valve is fully closed when cooling operation stops, and is opened at a fixed degree during defrosting.

3.11.4 Starting Operation Control

The electronic expansion valve opening is controlled when the operation starts, thus preventing superheating or liquid compression.

3.11.5 Control when the Frequency Changes

When the target discharge pipe temperature control is active, if the target frequency changes to a specified value in a certain time period, the target discharge pipe temperature control is canceled and the target opening of the electronic expansion value is changed according to the frequency shift.

3.11.6 High Discharge Pipe Temperature Control

When the compressor is operating, if the discharge pipe temperature exceeds a certain value, the electronic expansion valve opens and the refrigerant runs to the low pressure side. This procedure lowers the discharge pipe temperature.

3.11.7 Discharge Pipe Thermistor Disconnection Control

Outline	The disconnection of the discharge pipe thermistor is detected by comparing the discharge pipe temperature with the condensation temperature. If the discharge pipe thermistor is disconnected, the electronic expansion valve opens according to the outdoor temperature and the operation frequency, operates for a specified time, and then stops. After 3 minutes, the operation restarts and checks if the discharge pipe thermistor is disconnected. If the discharge pipe thermistor is disconnected. If the discharge pipe thermistor is disconnected, the system stops after operating for a specified time. If the disconnection is detected repeatedly, the system is shut down. When the compressor runs for 60 minutes without any error, the error counter is reset.
Detail	 Determining thermistor disconnection When the starting control (cooling: A seconds, heating: B seconds) finishes, the detection timer for disconnection of the discharge pipe thermistor (C seconds) starts. When the timer is over, the following adjustment is made. 1. When the operation mode is cooling When the following condition is fulfilled, the discharge pipe thermistor disconnection is ascertained. Discharge pipe temperature + 6°C < outdoor heat exchanger temperature 2. When the operation mode is heating When the following condition is fulfilled, the discharge pipe thermistor disconnection is ascertained. Discharge pipe temperature + 6°C < indoor heat exchanger temperature
	A (seconds) 10
	B (seconds) 120
	C (seconds) 810

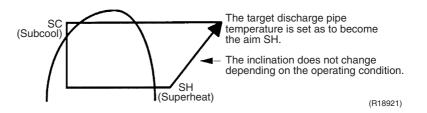
When the thermistor is disconnected

When the disconnection is ascertained, the compressor continues operation for 9 minutes and then stops.

If the compressor stops repeatedly, the system is shut down.

3.11.8 Target Discharge Pipe Temperature Control

The target discharge pipe temperature is obtained from the indoor and outdoor heat exchanger temperature, and the electronic expansion valve opening is adjusted so that the actual discharge pipe temperature becomes close to the target discharge pipe temperature. (Indirect SH (superheating) control using the discharge pipe temperature)



The electronic expansion valve opening and the target discharge pipe temperature are checked every 20 seconds. The opening degree of the electronic expansion valve is adjusted by the followings.

- Target discharge pipe temperature
- Actual discharge pipe temperature
- Previous discharge pipe temperature

3.12 Malfunctions

3.12.1 Sensor Malfunction Detection

Sensor malfunction can be detected in the following thermistors:

- 1. Outdoor heat exchanger thermistor
- 2. Discharge pipe thermistor
- 3. Radiation fin thermistor
- 4. Outdoor temperature thermistor

3.12.2 Detection of Overcurrent and Overload

Outline

An excessive output current is detected and the OL temperature is observed to protect the compressor.

Detail

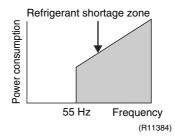
- If the OL (compressor head) temperature exceeds 120°C, the system shuts down the compressor.
- If the inverter current exceeds 9.25 A, the system shuts down the compressor.

3.12.3 Refrigerant Shortage Detection

I: Detecting by power consumption

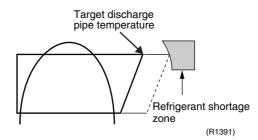
If the power consumption is below the specified value and the frequency is higher than the specified frequency, it is regarded as refrigerant shortage.

The power consumption is low comparing with that in the normal operation when refrigerant is insufficient, and refrigerant shortage is detected by checking power consumption.



II: Detecting by discharge pipe temperature

If the discharge pipe temperature is higher than the target discharge pipe temperature, and the electronic expansion valve is fully open for more than the specified time, it is regarded as refrigerant shortage.



III: Detecting by the difference of temperature

If the difference between suction and discharge temperature is smaller than the specified value, it is regarded as refrigerant shortage.

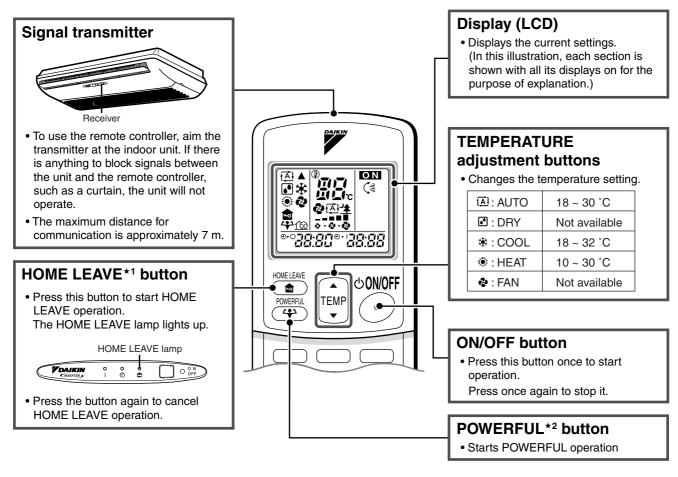


Refer to page 68 for detail.

Part 5 Remote Controller

1.	Remote Controller	54
١.	Remote Controller	C

1. Remote Controller



(R19659)

HEAT PUMP model	ARC433B67
COOLING ONLY model	ARC433B68

Reference

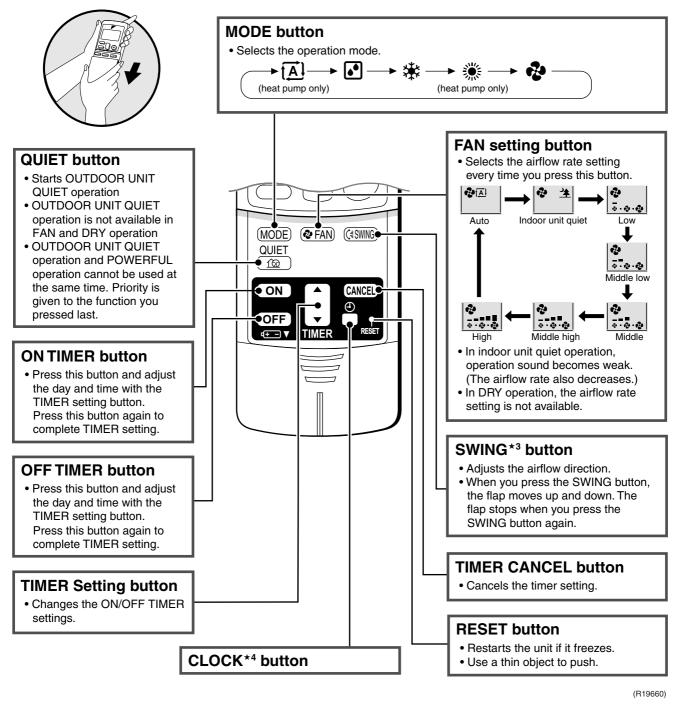
Refer to the following pages for detail.

★ 1	HOME LEAVE operation	P.34
★2	POWERFUL operation	P.35



Refer to the operation manual of applicable model for detail. You can download operation manuals from DISTRIBUTOR'S PAGE:

Open the Front Cover



Reference

Refer to the following pages for detail.

★3	Auto-swing setting	P.29
★4	Clock setting	P.36

Note:

Refer to the operation manual of applicable model for detail. You can download operation manuals from DISTRIBUTOR'S PAGE: DISTRIBUTOR'S PAGE → Product Information → Operation/Installation Manual (URL: http://global.daikin.com/Daikin/global/Distributors_admin/user_mng/login.php)

Part 6 Service Diagnosis

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1. General Problem Symptoms and Check Items

Symptom	Check Item	Details	Reference Page
The unit does not operate.	Check the power supply.	Check if the rated voltage is supplied.	_
	Check the type of the indoor unit.	Check if the indoor unit type is compatible with the outdoor unit.	_
	Check the outdoor temperature.	Heating operation cannot be used when the outdoor temperature is 18°CWB or higher, and cooling operation cannot be used when the outdoor temperature is below –10°CDB.	
	Diagnose with remote controller indication.	_	62
	Check the remote controller addresses.	Check if address settings for the remote controller and indoor unit are correct.	115
Operation sometimes stops.	Check the power supply.	A power failure of 2 to 10 cycles stops air conditioner operation. (Operation lamp OFF)	
	Check the outdoor temperature.	Heating operation cannot be used when the outdoor temperature is 18°CWB or higher, and cooling operation cannot be used when the outdoor temperature is below –10°CDB.	
	Diagnose with remote controller indication.	_	62
The unit operates but does not cool, or does not heat.	Check for wiring and piping errors in the connection between the indoor unit and outdoor unit.	_	_
	Check for thermistor detection errors.	Check if the thermistor is mounted securely.	—
	Check for faulty operation of the electronic expansion valve.	Set the unit to cooling operation, and check the liquid pipe temperature to see if the electronic expansion valve works.	
	Diagnose with remote controller indication.	_	62
	Diagnose by service port pressure and operating current.	Check for refrigerant shortage.	68
Large operating noise and vibrations	Check the output voltage of the power module.	_	109
	Check the power module.	—	—
	Check the installation condition.	Check if the required spaces for installation (specified in the installation manual) are provided.	_

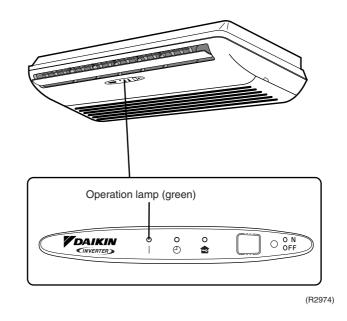
2. Troubleshooting with LED2.1 Indoor Unit

Operation Lamp

The operation lamp blinks when any of the following errors is detected.

- 1. When a protection device of the indoor or outdoor unit is activated, or when the thermistor malfunctions.
- 2. When a signal transmission error occurs between the indoor and outdoor units.

In either case, conduct the diagnostic procedure described in the following pages.



Service Monitor

The indoor unit has one green LED (LED A) on the control PCB. When the microcomputer works in order, the LED A blinks.

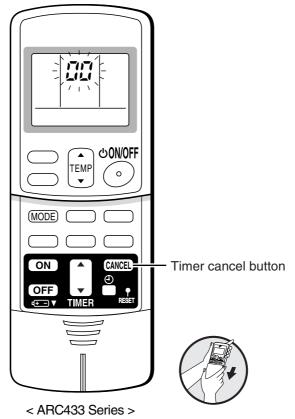
2.2 Outdoor Unit

The outdoor unit has one green LED (LED A) on the PCB. When the microcomputer works in order, the LED A blinks.

3. Service Diagnosis

Method 1

1. When the timer cancel button is held down for 5 seconds, 22 is displayed on the temperature display screen.



(R18206)

2. Press the timer cancel button repeatedly until a long beep sounds.

No.	Code	No.	Code	No.	Code
1	88	12	57	23	XC
2	UN	13	X8	24	ε;
3	83	14	J3	25	<i>P</i> 4
4	88	15	83	26	13
5	LS	16	8;	27	14
6	88	17	64	28	XS
7	85	18	εs	29	87
8	۶8	19	XS	30	U2
9	63	20	JS	31	UН
10	UC	21	UR	32	88
11	59	22	85	33	88

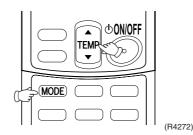
• The code indication changes in the sequence shown below.



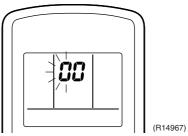
- 1. A short beep or two consecutive beeps indicate non-corresponding codes.
- 2. To return to the normal mode, hold the timer cancel button down for 5 seconds. When the remote controller is left untouched for 60 seconds, it also returns to the normal mode.
- 3. Not all the error codes are displayed. When you cannot find the error code, try method 2. (\rightarrow Refer to page 60.)

Method 2

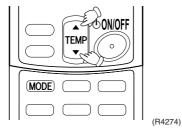
1. Press the center of the **TEMP** button and the **MODE** button at the same time to enter the diagnosis mode.



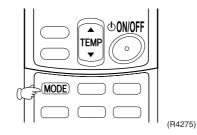
The left-side number blinks.



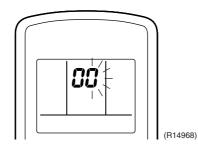
2. Press the **TEMP** ▲ or **TEMP** ▼ button and change the number until you hear the two consecutive beeps or the long beep.



- 3. Diagnose by the sound.
 - \star beep: The left-side number does not correspond with the error code.
 - ★ two consecutive beeps: The left-side number corresponds with the error code but the right-side number does not.
 - ★ long beep: Both the left-side and right-side numbers correspond with the error code. The numbers indicated when you hear the long beep are the error code. Error codes and description → Refer to page 62.
- 4. Press the MODE button.

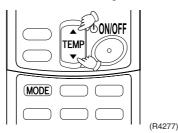


The right-side number blinks.

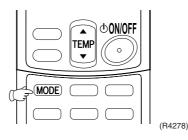


Service Diagnosis

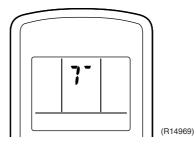
5. Press the **TEMP** \blacktriangle or **TEMP** \checkmark button and change the number until you hear the long beep.



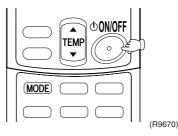
- 6. Diagnose by the sound.
 - \star beep: The left-side number does not correspond with the error code.
 - ★ two consecutive beeps: The left-side number corresponds with the error code but the right-side number does not.
 - \star long beep: Both the left-side and right-side numbers correspond with the error code.
- Determine the error code. The numbers indicated when you hear the long beep are the error code. Error codes and description → Refer to page 62.
- 8. Press the MODE button to exit from the diagnosis mode.



The display **7**⁻ means the trial operation mode. Refer to page 114 for trial operation.



9. Press the ON/OFF button twice to return to the normal mode.



A

Note: When the remote controller is left untouched for 60 seconds, it returns to the normal mode.

4. Troubleshooting

4.1 Error Codes and Description

	Error Codes	Description	Reference Page	
System	00	Normal	_	
	uo x	Refrigerant shortage	68	
	U2	Low-voltage detection or over-voltage detection	70	
	84	Signal transmission error (between indoor unit and outdoor unit)		
	UR -	Unspecified voltage (between indoor unit and outdoor unit)	74	
Indoor Unit	8;	Indoor unit PCB abnormality	63	
Onic	85	Freeze-up protection control / heating peak-cut control		
	88	Fan motor (AC motor) or related abnormality	65	
	64	Indoor heat exchanger thermistor or related abnormality	67	
	63	Room temperature thermistor or related abnormality	67	
Outdoor Unit	81	Outdoor unit PCB abnormality	75	
Unit	85 *	OL activation (compressor overload)	76	
	88 ★	Compressor lock	78	
	£7 ★ 73	DC fan lock	79	
	88	Input overcurrent detection	80	
	88	Four way valve abnormality	81	
	83	Discharge pipe temperature control	83	
	F8	High pressure control in cooling	84	
	XQ	Compressor system sensor abnormality	85	
	88	Position sensor abnormality	86	
	X8	DC voltage / current sensor abnormality	88	
	X3	Outdoor temperature thermistor or related abnormality	89	
	J∃★	Discharge pipe thermistor or related abnormality	89	
	38	Outdoor heat exchanger thermistor or related abnormality	89	
	13	Electrical box temperature rise	91	
	14	Radiation fin temperature rise	94	
	£5 ★	Output overcurrent detection	97	
	PY	Radiation fin thermistor or related abnormality	89	

 \star : Displayed only when system-down occurs.

4.2 Indoor Unit PCB Abnormality

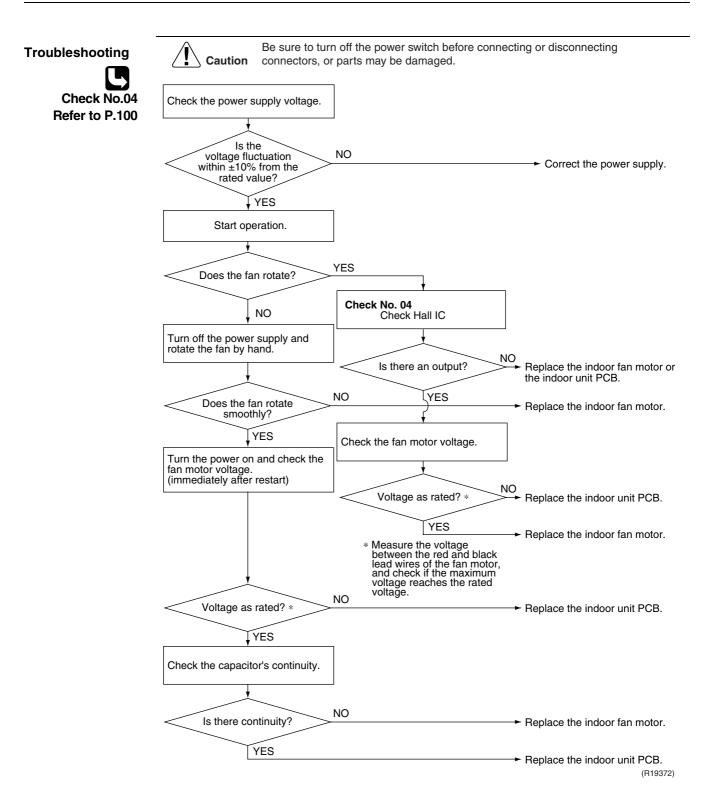
Error Code	81				
Method of Error Detection	The system checks if the circuit works properly within the microcomputer of the indoor unit.				
Error Decision Conditions	The system cannot set the internal settings.				
Supposed Causes	 Wrong models interconnected Defective indoor unit PCB Disconnection of connector Reduction of power supply voltage 				
Troubleshooting		f the power switch before conne rts may be damaged.	cting or disconnecting		
	OK? NO		Match the compatible		
	YES		models.		
	Check the connection of connectors (See Note)	To secure the connection, once disconnect the connector and then reconnect it.			
	OK? YES	Check the power supply voltage.			
	NO	Voltage as rated? VES	Correct the power supply.		
	Correct the connection.	Start operation.			
		Error repeats? YES NO	Replace the indoor uni PCB. Completed.	t	
	YES	Check the power supply			
	Error repeats?	voltage.			
	NO	Voltage as rated? NO	Correct the power supply.		
		↓ YES			
		Start operation.			
		Error repeats? YES	Replace the indoor uni PCB.	t	
		NO	Completed.		
			Completed.		
e				(R15310)	
Note:	Check the following connector.	Connector.	1		
	Model Type Floor / ceiling suspended dual type	Connector S36 ~ S37			

4.3 Freeze-up Protection Control / Heating Peak-cut Control

Error Code	85			
Method of Error Detection	 Freeze-up protection control During cooling operation, the freeze-up protection control (operation halt) is activated according to the temperature detected by the indoor heat exchanger thermistor. Heating peak-cut control During heating operation, the temperature detected by the indoor heat exchanger thermistor is used for the heating peak-cut control (operation halt, outdoor fan stop, etc.) 			
Error Decision Conditions	 Freeze-up protection control During cooling operation, the indoor heat exchanger Heating peak-cut control During heating operation, the indoor heat exchanger 	-		
Supposed Causes	 Short-circuited air Clogged air filter of the indoor unit Dust accumulation on the indoor heat exchanger Defective indoor heat exchanger thermistor Defective indoor unit PCB 			
Troubleshooting Check No.01 Refer to P.99	Image: Caution Be sure to turn off the power switch be connectors, or parts may be damaged Check the air passage. VES Is there any short circuit? VES Is there any short circuit? VES Dirty? VES Or Check the dust accumulation on the indoor heat exchanger. Dirty? VES VES NO Check No. 01 Check the indoor heat exchanger As described in the thermistor characteristic chart? VES VES			
	YES	→ Replace the indoor unit PCB.		

4.4 Fan Motor (AC Motor) or Related Abnormality

Error Code	88
Method of Error Detection	The rotation speed detected by the Hall IC during fan motor operation is used to determine abnormal fan motor operation.
Error Decision Conditions	The detected rotation speed does not reach the demanded rotation speed of the target tap, and is less than 50% of the maximum fan motor rotation speed.
Supposed Causes	 Power supply voltage is not as specified. Layer short inside the fan motor winding Breaking of wire inside the fan motor Breaking of the fan motor lead wires Defective capacitor of the fan motor Defective indoor unit PCB



4.5 Thermistor or Related Abnormality (Indoor Unit)

C4, C3				
The temperatures detected by the thermistors determine thermistor errors.				
The thermistor input is 4.96 V and more or 0.04 V and less during compressor operation.				
 Disconnection of connector Defective thermistor Defective indoor unit PCB 				
Image: Construction of connectors, or parts may be damaged. Image: Check the connection of connectors. Image: Normal? NO Replace the thermistor. YES Normal? NO Normal? NO Normal? NO Replace the indoor unit PCB.				
(R15717)				

१५: Indoor heat exchanger thermistor

 $\mathcal{L}\mathcal{G}$: Room temperature thermistor

4.6 Refrigerant Shortage

Error Code	90					
Method of Error Detection	Refrigerant shortage detection I: Refrigerant shortage is detected by checking the input current value and the compressor running frequency. If the refrigerant is short, the input current is lower than the normal value.					
	Refrigerant shortage detection II: Refrigerant shortage is detected by checking the discharge pipe temperature and the opening of the electronic expansion valve. If the refrigerant is short, the discharge pipe temperature tends to rise.					
	-	-		ing the differer	ce between suction a	and discharge
Error Decision Conditions	 Refrigerant shortage detection I: The following conditions continue for 7 minutes. Input current × input voltage ≤ A × output frequency + B Output frequency > C 					
	A (consta	, ,	V) C	Hz)		
	640/250	6 0	Ę	5		
	 Refrigerant shortage detection II: The following conditions continue for 80 seconds. Opening of the electronic expansion valve ≥ D Discharge pipe temperature > E × target discharge pipe temperature + F 					
		ge pipe tempera	\mathbf{D} (pulse)	E (constant		
	RK(X)S25/3	35E2V1B	480	255/256	30	
	RK(X)S25/35G2V1B RK(X)S25/35G2V1B9 RXS25/35J2V1B RXS25/35J2V1B RXS35K2V1B RXS35K2V1B RXS35L2V1B		480	128/128	30	
	Refrigerant shortage detection III: When the difference of the temperature is smaller than G °C, it is regarded as refrigerant shortage.					
	Operation mode	peration Description			G (°C)	
		Cooling room thermistor temperature – indoor heat exchanger temperature			4.0	
	Cooling	outdoor heat exchanger temperature – outdoor temperature				4.0

- If the error repeats, the system is shut down.
- Reset condition: Continuous run for about 60 minutes without any other error

outdoor temperature - outdoor heat exchanger temperature

indoor heat exchanger temperature - room thermistor temperature

Supposed Causes

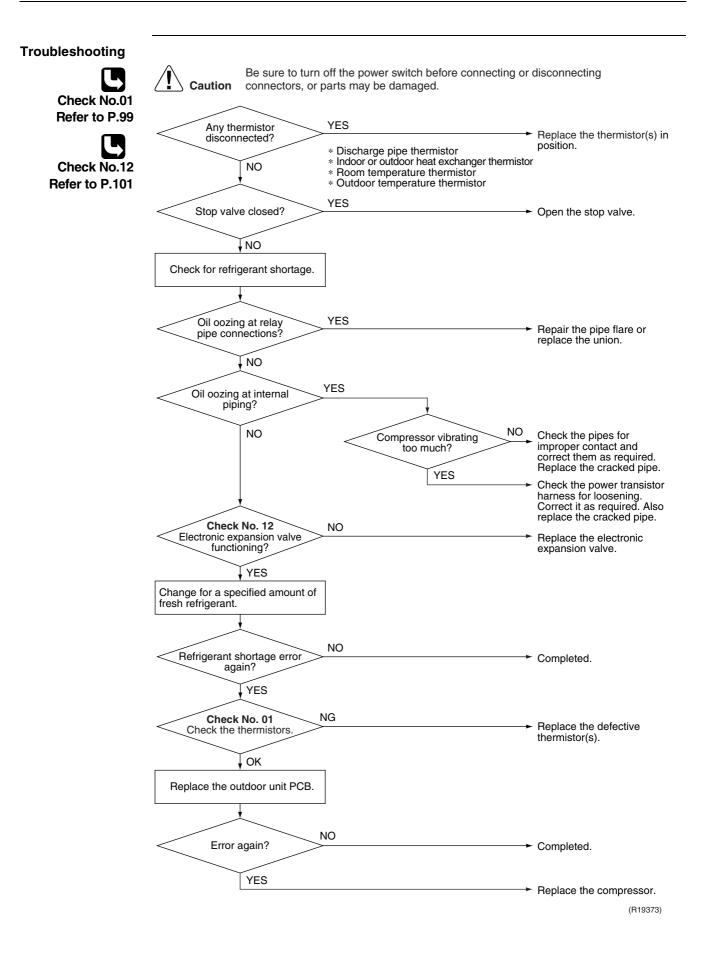
- Disconnection of the discharge pipe thermistor, indoor or outdoor heat exchanger thermistor, room or outdoor temperature thermistor
- Closed stop valve

Heating

- Refrigerant shortage (refrigerant leakage)
- Poor compression performance of compressor
- Defective electronic expansion valve

3.0

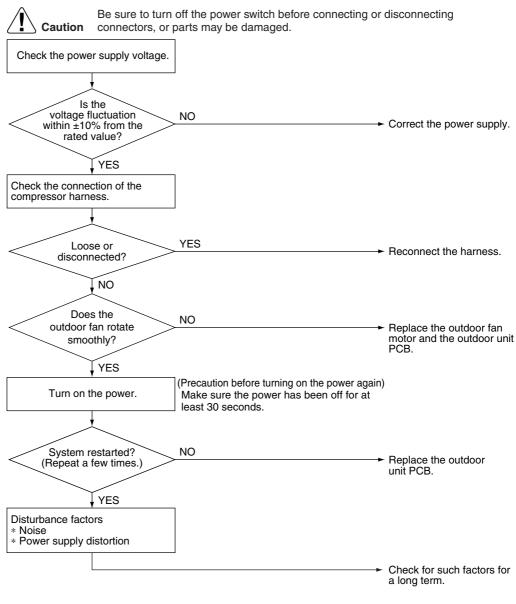
3.0



4.7 Low-voltage Detection or Over-voltage Detection

Error Code	<u>U2</u>			
Method of Error	Low-voltage detection:			
Detection	An abnormal voltage drop is detected by the DC voltage detection circuit.			
	Over-voltage detection:			
	An abnormal voltage rise is detected by the over-voltage detection circuit.			
Error Decision	Low-voltage detection:			
Conditions	The voltage detected by the DC voltage detection circuit is below 180 V.			
	The compressor stops if the error occurs, and restarts automatically after 3-minute standby.			
	Over-voltage detection:			
	An over-voltage signal is fed from the over-voltage detection circuit to the microcomputer.			
	The compressor stops if the error occurs, and restarts automatically after 3-minute standby.			
Supposed	 Power supply voltage is not as specified. 			
Causes	Defective DC voltage detection circuit			
	Defective over-voltage detection circuit			
	Defective PAM control part			
	Disconnection of compressor harness			
	Short circuit inside the fan motor winding			
	■ Noise			
	Momentary drop of voltage			
	Momentary power failure			
	Defective outdoor unit PCB			

Troubleshooting

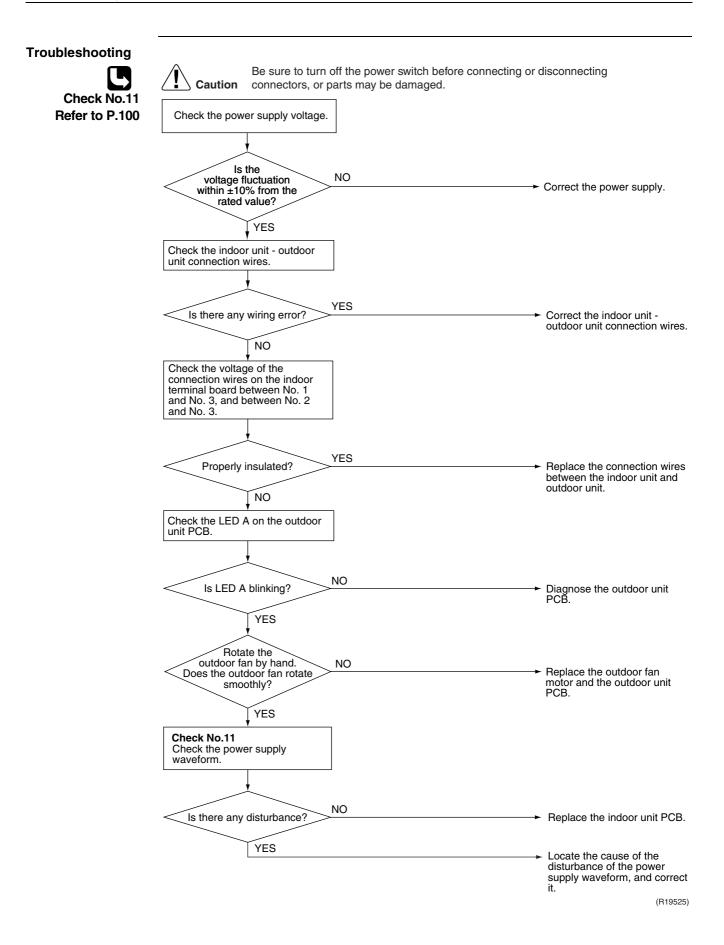




4.8 Signal Transmission Error (Between Indoor Unit and Outdoor Unit)

Error Code	<u>8</u> 4
Method of Error Detection	The data received from the outdoor unit in signal transmission is checked whether it is normal.
Error Decision Conditions	The data sent from the outdoor unit cannot be received normally, or the content of the data is abnormal.
Supposed Causes	 Reduction of power supply voltage Wiring error Breaking of the connection wires between the indoor and outdoor units (wire No. 3) Defective outdoor unit PCB Short circuit inside the fan motor winding Defective indoor unit PCB Disturbed power supply waveform

Service Diagnosis



4.9 Unspecified Voltage (Between Indoor Unit and Outdoor Unit)

Error Code	<u>18</u>
Method of Error Detection	The supply power is detected for its requirements (pair type is different from multi type) by the indoor / outdoor transmission signal.
Error Decision Conditions	The pair type and multi type are interconnected.
Supposed Causes	 Wrong models interconnected Wrong wiring of connecting wires Wrong indoor unit PCB or outdoor unit PCB mounted Defective indoor unit PCB Defective outdoor unit PCB
Troubleshooting	Image: Construction of the source to turn off the power switch before connecting or disconnecting connecting connectors, or parts may be damaged. Image: Check the combination of the indoor and outdoor unit. Image: OK? NO Image: OK? Match the compatible models. Image: OK? NO Image: OK? Match the compatible models. Image: OK? NO Image: OK? OK? Image: OK? OK?
	Matched compatibly? NO Change for the correct PCB.
	YES ► Replace the indoor unit PCB (or the outdoor unit PCB).
	(R19661)

4.10 Outdoor Unit PCB Abnormality

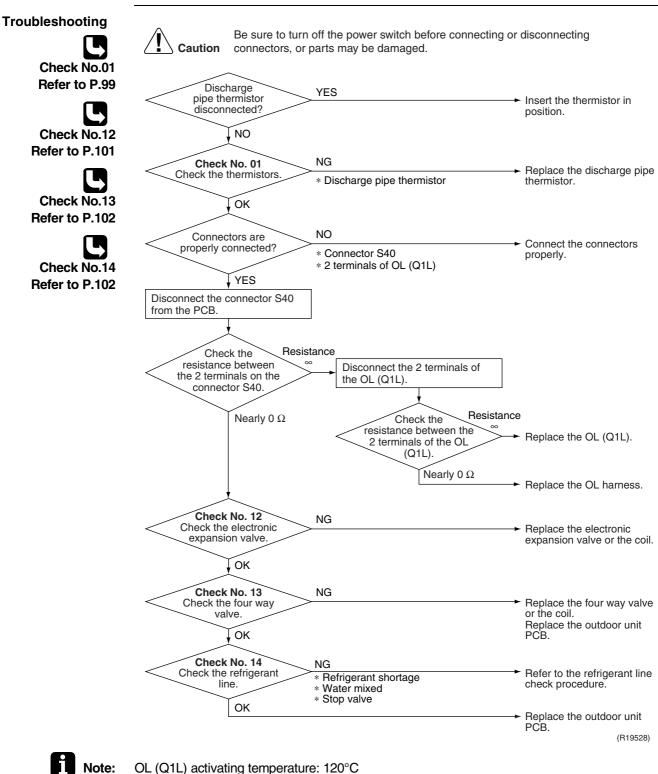
ε:			
 The system checks if the microprocessor is working in order. The system checks if the zero-cross signal comes in properly. 			
 The microprocessor program runs out of control. The zero-cross signal is not detected. 			
 Defective outdoor unit PCB Broken harness between PCBs Noise Momentary drop of voltage Momentary power failure 			
Image: Caution in the power again. Turn on the power again. Is LED A blinking? VYES Check if the outdoor unit is grounded. Grounded? VES Is the harness broken? YES			
	 The system checks if the microprocessor is working The system checks if the zero-cross signal comes if The microprocessor program runs out of control. The zero-cross signal is not detected. Defective outdoor unit PCB Broken harness between PCBs Noise Momentary drop of voltage Momentary power failure Output Caution Be sure to turn off the power switch be connectors, or parts may be damaged Turn on the power again. YES Check if the outdoor unit is grounded. YES Check if the anness NO YES NO NO YES NO NO YES NO /ul>		

(R19527)

4.11 OL Activation (Compressor Overload)

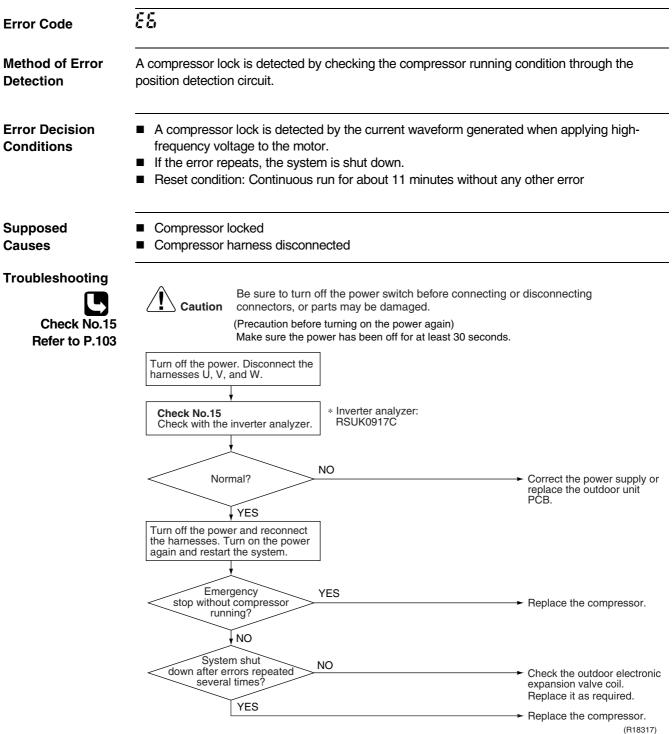
Error Code	85			
Method of Error Detection	A compressor overload is detected through compressor OL.			
Error Decision	If the error repeats, the system is shut down.			
Conditions	Reset condition: Continuous run for about 60 minutes without any other error			
Supposed	 Disconnection of discharge pipe thermistor 	_		
Causes	Defective discharge pipe thermistor			
	Disconnection of connector S40			
	Disconnection of 2 terminals of OL (Q1L)			
	Defective OL (Q1L)			
	Broken OL harness			
	Defective electronic expansion valve or coil			
	Defective four way valve or coil			
	Defective outdoor unit PCB			
	Refrigerant shortage			
	Water mixed in refrigerant			

Defective stop valve



CL (Q1L) activating temperature: 120°C OL (Q1L) recovery temperature: 95°C

4.12 Compressor Lock



4.13 DC Fan Lock

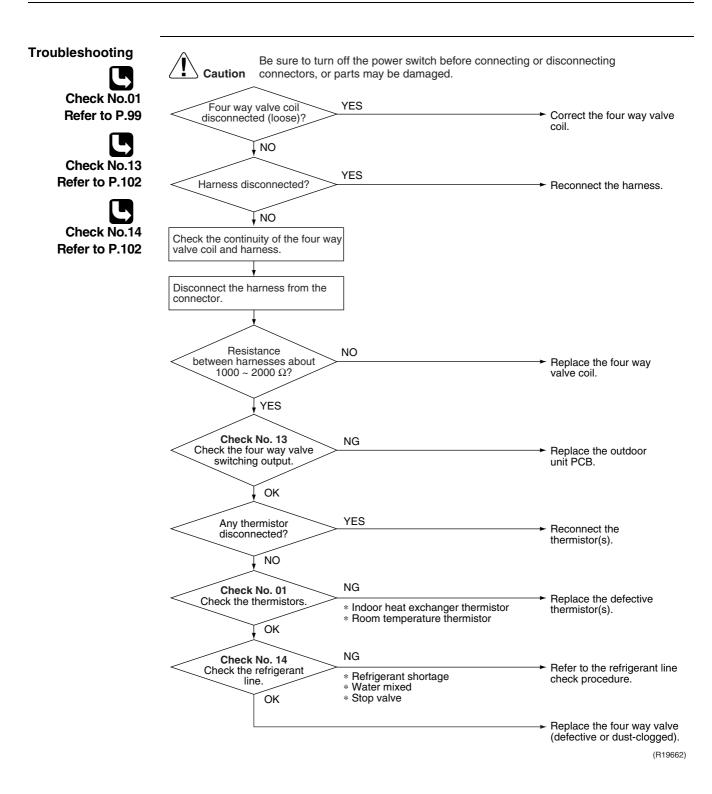
Error Code	<u> 2</u> 7			
Method of Error Detection	An error is determined with the high-voltage fan motor rotation speed detected by the Hall IC.			
Error Decision Conditions	 The fan does not start in about 15 ~ 60 seconds even when the fan motor is running. If the error repeats, the system is shut down. Reset condition: Continuous run for about 11 minutes without any other error 			
Supposed Causes	 Disconnection of the fan motor Foreign matter stuck in the fan Defective fan motor Defective outdoor unit PCB 			
Troubleshooting Check No.16 Refer to P.104	Caution Be sure to turn off the power switch before connecting of connectors, or parts may be damaged. Fan motor connector YES Image: NO VES Foreign matters in or around the fan? YES Image: NO Turn on the power.	 Turn off the power and reconnect the connector. Remove the foreign matters. 		
	Rotate the fan. Fan rotates smoothly? VES Check No. 16 Check the rotation pulse input on the outdoor unit PCB. Pulse signal generated? NO YES	 → Replace the outdoor fan motor. → Replace the outdoor fan motor. → Replace the outdoor unit PCB. (R15675) 		

4.14 Input Overcurrent Detection

- Error Code	88				
Method of Error Detection	An input overcurrent is detected by checking the input current value with the compressor running.				
Error Decision Conditions	The current exceeds about 9.25 A for 2.5 seconds with the compressor running. (The upper limit of the current decreases when the outdoor temperature exceeds a certain level.)				
Supposed Causes	 Outdoor temperature is out of operation range. Defective compressor Defective power module Defective outdoor unit PCB Short circuit 				
Troubleshooting Check No.15 Refer to P.103 Check No.17 Refer to P.105 Check No.18 Refer to P.106	Control Be sure to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged. An input overcurrent may result from wrong internal wiring. If the system is interrupted by an input overcurrent after the wires have been disconnected and reconnected for part replacement, check the wiring again. Check No. 17 Check the installation condition. for the installation and measure the input current flowing above its stop level? VES Turn off the power and disconnect the harnesses U, V, and W.				
	Check No.15 Check with the inverter analyzer. Any LED off? NO Turn off the power, and reconnect the harnesses. Turn on the power again and start operation. Check No.18 Check the discharge pressure. (R18318)				

4.15 Four Way Valve Abnormality

Error Code	88				
Method of Error Detection	The room temperature thermistor and the indoor heat exchanger thermistor are checked if they function within their normal ranges in each operation mode.				
Error Decision Conditions	A following condition continues over 10 minutes after operating for 5 minutes. Cooling / Dry> $A - B < -5^{\circ}C$ Heating> $B - A < -5^{\circ}C$				
	 A: Room thermistor temperature B: Indoor heat exchanger temperature If the error repeats, the system is shut down. Reset condition: Continuous run for about 60 minutes without any other error 				
Supposed Causes	 Disconnection of four way valve coil Defective four way valve, coil, or harness Defective outdoor unit PCB Defective thermistor Refrigerant shortage Water mixed in refrigerant Defective stop valve 				



4.16 Discharge Pipe Temperature Control

Error Code	F3					
Method of Error Detection	An error is determined with the temperature detected by the discharge pipe thermistor.					
Error Decision Conditions	 If the temperature detected by the discharge compressor stops. The error is cleared when the discharge pipe 					
		A (°C)	B (°C)			
	(1) above 45 Hz (rising), above 40 Hz (dropping)	110	97			
	(2) 30 ~ 45 Hz (rising), 25 ~ 40 Hz (dropping)	105	92			
	(3) below 30 Hz (rising), below 25 Hz (dropping)	99	86			
	 If the error repeats, the system is shut down. Reset condition: Continuous run for about 60 	minutes wit	hout any other error			
Supposed Causes	 Defective discharge pipe thermistor (Defective outdoor heat exchanger thermistor Defective electronic expansion valve or coil Refrigerant shortage Defective four way valve Water mixed in refrigerant Defective stop valve Defective outdoor unit PCB 	or outdoor	temperature thermistor)			
Troubleshooting	Caution Be sure to turn off the power switch connectors, or parts may be dama		ecting or disconnecting			
Check No.01		900.				
Refer to P.99	Check No. 01 NG Check the thermistors. * Discharge pipe th * Outdoor heat exc * Outdoor temperation	hanger therm				
Check No.12 Refer to P.101	Check No. 12 NC					
	Check the electronic expansion valve.		Replace the electronic expansion valve or the coil.			
Check No.14	• ОК					
Refer to P.102						
	Check No. 14 Check the refrigerant line. OK NG * Refrigerant shorta * Four way valve * Water mixed	age	→ Refer to the refrigerant line check procedure.			
	* Stop valve		Replace the outdoor unit			
			PCB.			
			(R15825)			

4.17 High Pressure Control in Cooling

Error Code	F8				
Method of Error Detection	High-pressure control (operation halt, frequency drop, etc.) is activated in cooling operation if the temperature sensed by the outdoor heat exchanger thermistor exceeds the limit.				
Error Decision Conditions	 The temperature sensed by the outdoor heat exchanger t 65°C. The error is cleared when the temperature drops below all 				
Supposed Causes	 The installation space is not large enough. Dirty outdoor heat exchanger Defective outdoor fan motor Defective stop valve Defective electronic expansion valve or coil Defective outdoor heat exchanger thermistor Defective outdoor unit PCB 				
Troubleshooting	Be sure to turn off the power switch before connectors, or parts may be damaged.	ecting or disconnecting			
Check No.01					
Refer to P.99	Check the installation space.				
G					
Check No.12	Check No. 17 NG Check the installation	← Change the installation			
Refer to P.101	condition.	location or direction. Clean the outdoor heat			
	, ок	exchanger.			
Check No.17					
Refer to P.105	Check No. 19 NG Check the outdoor fan.	→ Replace the outdoor fan			
	Check the outdoor fail.	motor.			
	ОК	Reconnect the connector or fan motor lead wires.			
Check No.18					
Refer to P.106	Check No. 18 NG Check the discharge	→ Replace the stop valve.			
	pressure.				
G	ток				
Check No.19	Ohash Na 40				
Refer to P.106	Check No. 12 NG Check the electronic	Replace the electronic			
	expansion valve.	expansion valve or the coil. Replace the outdoor unit			
	, ОК	PCB.			
	Check No. 01 NG				
	exchanger thermistor.	Replace the outdoor heat exchanger thermistor.			
		-			
	́ ОК				
		Replace the outdoor unit			
		PCB.			
		(R15667)			

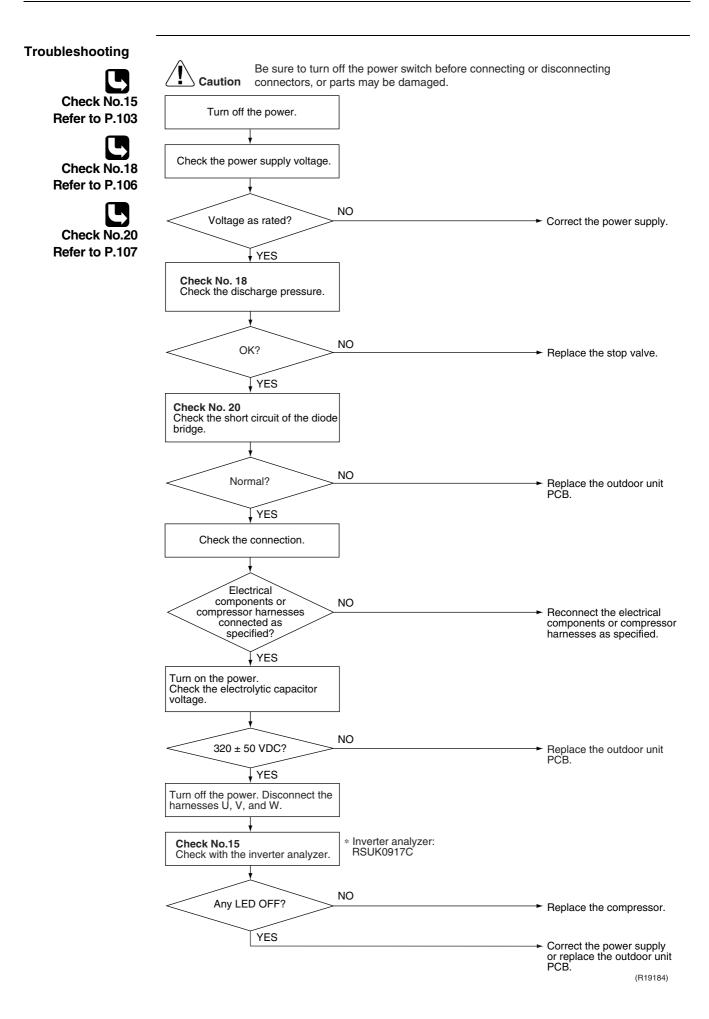
4.18 Compressor System Sensor Abnormality

Error Code	The system checks the DC current before the compressor starts.				
Method of Error Detection					
Error Decision Conditions	 The DC current before compressor start-up is out of the range 0.5 ~ 4.5 V (sensor output converted to voltage value) The DC voltage before compressor start-up is below 50 V. 				
Supposed Causes	 Broken or disconnected harness Defective outdoor unit PCB 				
Troubleshooting Image: Construction of the power switch before connecting or disconnecting connectors, or parts may be damaged. Image: Check the relay harness for the compressor. Image: Check the relay harness for the compressor. Image: Check the relay harness broken? Image: Check the power and turn it on again. Image: Check the power and turn it on add error displayed again? Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. Image: Check the power and turn it on again. <					

(R11712)

4.19 Position Sensor Abnormality

Error Code	HS
Method of Error Detection	A compressor start-up failure is detected by checking the compressor running condition through the position detection circuit.
Error Decision Conditions	 If the error repeats, the system is shut down. Reset condition: Continuous run for about 11 minutes without any other error
Supposed Causes	 Disconnection of the compressor relay cable Defective compressor Defective outdoor unit PCB Start-up failure caused by the closed stop valve Input voltage is outside the specified range.



4.20 DC Voltage / Current Sensor Abnormality

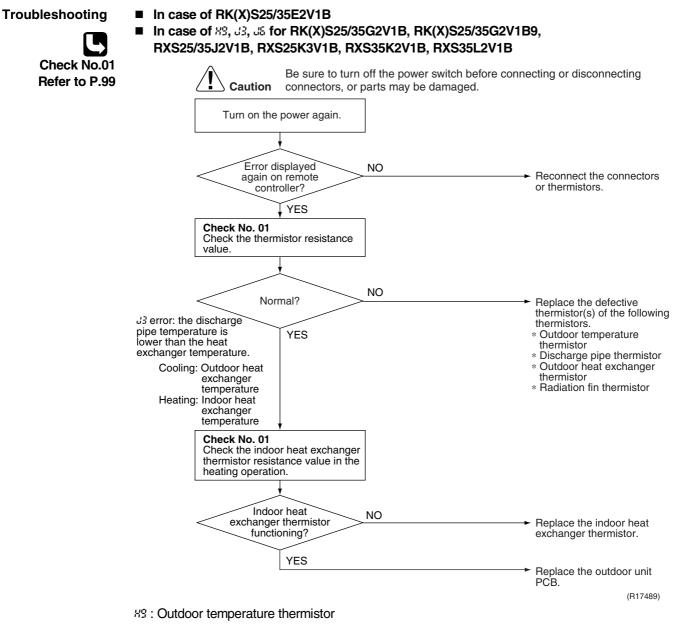
Error Code	<u>88</u>					
Method of Error Detection	DC voltage or DC current sensor abnormality is identified based on the compressor running frequency and the input current.					
Error Decision Conditions	 If the error repeats, the system is shut down. Reset condition: Continuous run for about 60 minutes without any other error 					
Supposed Causes	Defective outdoor unit PCB					
Troubleshooting						
	Caution Be sure to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged.					

Replace the outdoor unit PCB.

4.21 Thermistor or Related Abnormality (Outdoor Unit)

Error Code	<u>89, 33, 36, 89</u>				
Method of Error Detection	This fault is identified based on the thermistor input voltage to the microcomputer. A thermistor fault is identified based on the temperature sensed by each thermistor.				
Error Decision Conditions	 The thermistor input voltage is 4.96 V and more, or 0.04 V and less with the power on. J error is judged if the discharge pipe temperature is lower than the heat exchanger temperature. 				
Supposed Causes	 Disconnection of the connector for the thermistor Defective thermistor corresponding to the error code Defective heat exchanger thermistor in the case of J3 error (outdoor heat exchanger thermistor in cooling operation, or indoor heat exchanger thermistor in heating operation) Defective outdoor unit PCB 				
Troubleshooting	n case of ۶۲ for RK(X)S25/35G2V1B, RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B				
	Caution Be sure to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged.				
	Replace the outdoor unit PCB.				
	94 · Padiation fin thermistor				

PS : Radiation fin thermistor



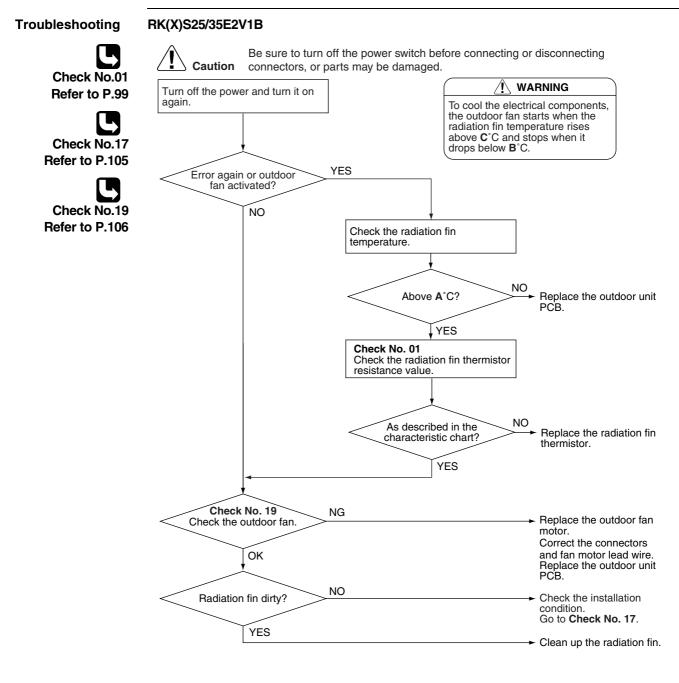
- 3: Discharge pipe thermistor
- 35: Outdoor heat exchanger thermistor
- P4 : Radiation fin thermistor

4.22 Electrical Box Temperature Rise

Error Code	13				
Method of Error Detection	An electrical box temperature rise is detected b compressor off.	y checking th	e radiation fi	n thermistor	with the
Error Decision Conditions	 With the compressor off, the radiation fin temperature is above A°C. The error is cleared when the radiation fin temperature drops below B°C. To cool the electrical components, the outdoor fan starts when the radiation fin temperature rises above C°C and stops when it drops below B°C. 				
	<u> </u>	A (°C)	B (°C)	C (°C)]
	RK(X)S25/35E2V1B, RK(X)S25/35G2V1B	80	70	80	
	RK(X)S25/35G2V1B9, RXS25/35J2V1B RXS25K3V1B, RXS35K2V1B, RXS35L2V1B	98	75	83	
Supposed	 Defective outdoor fan motor 				

Causes

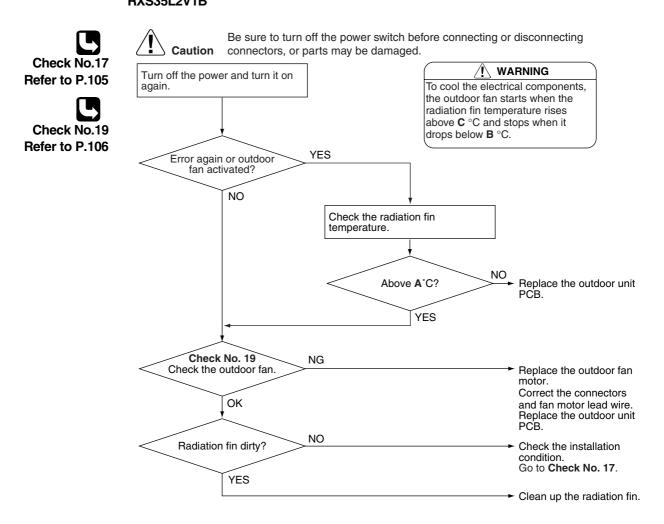
- Short circuit
- Defective radiation fin thermistor
- Disconnection of connector
- Defective outdoor unit PCB



(R19760)

	A (°C)	B (°C)	C (°C)
RK(X)S25/35E2V1B	80	70	80

Troubleshooting RK(X)S25/35G2V1B, RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B



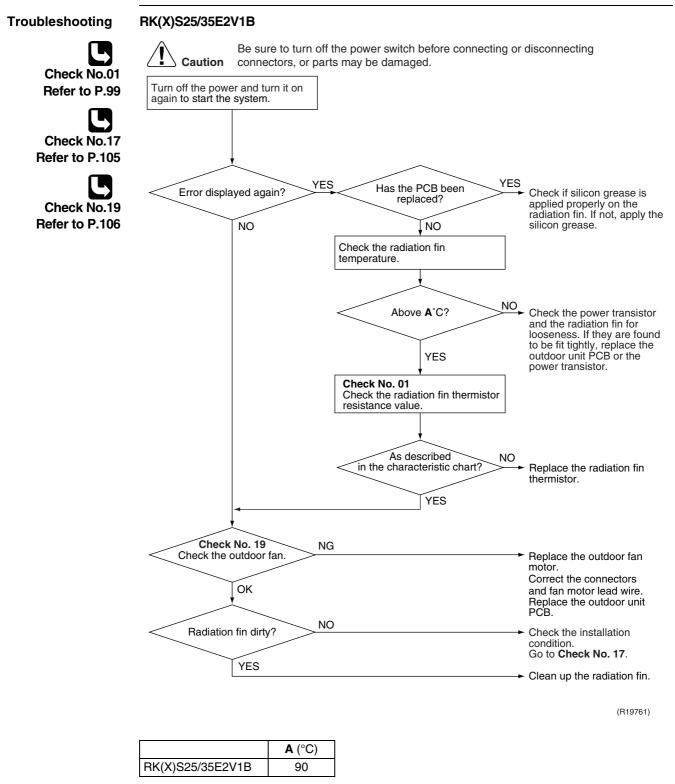
(R19556)

	A (°C)	B (°C)	C (°C)
RK(X)S25/35G2V1B	80	70	80
RK(X)S25/35G2V1B9 RXS25/35J2V1B RXS25K3V1B RXS35K2V1B RXS35L2V1B	98	75	83

4.23 Radiation Fin Temperature Rise

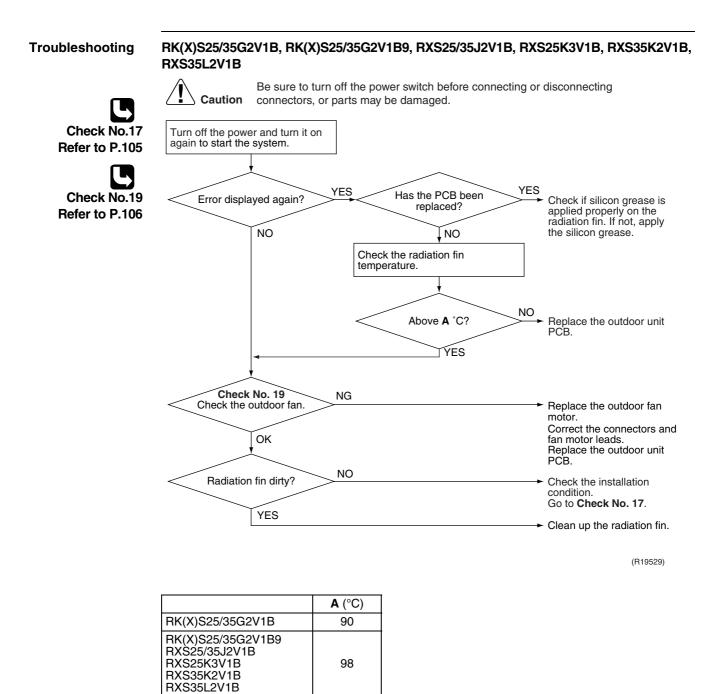
Error Code	64					
Method of Error Detection						
Error Decision Conditions	 If the radiation fin temperature with the compressor on is above A°C. The error is cleared when the radiation fin temperature drops below B°C. If the error repeats, the system is shut down. Reset condition: Continuous run for about 60 minutes without any other error 					
		A (°C)	B (°C)			
	RK(X)S25/35E2V1B, RK(X)S25/35G2V1B	90	85			
	RK(X)S25/35G2V1B9, RXS25/35J2V1B RXS25K3V1B, RXS35K2V1B, RXS35L2V1B	98	78			
Supposed	 Defective outdoor fan motor 					
Causes	 Short circuit 					
	 Defective radiation fin thermistor 					
	 Disconnection of connector 					
	Defective outdoor unit PCB					

 Silicon grease is not applied properly on the radiation fin after replacing the outdoor unit PCB.





: Refer to Silicon Grease on Power Transistor / Diode Bridge on page 118 for detail.

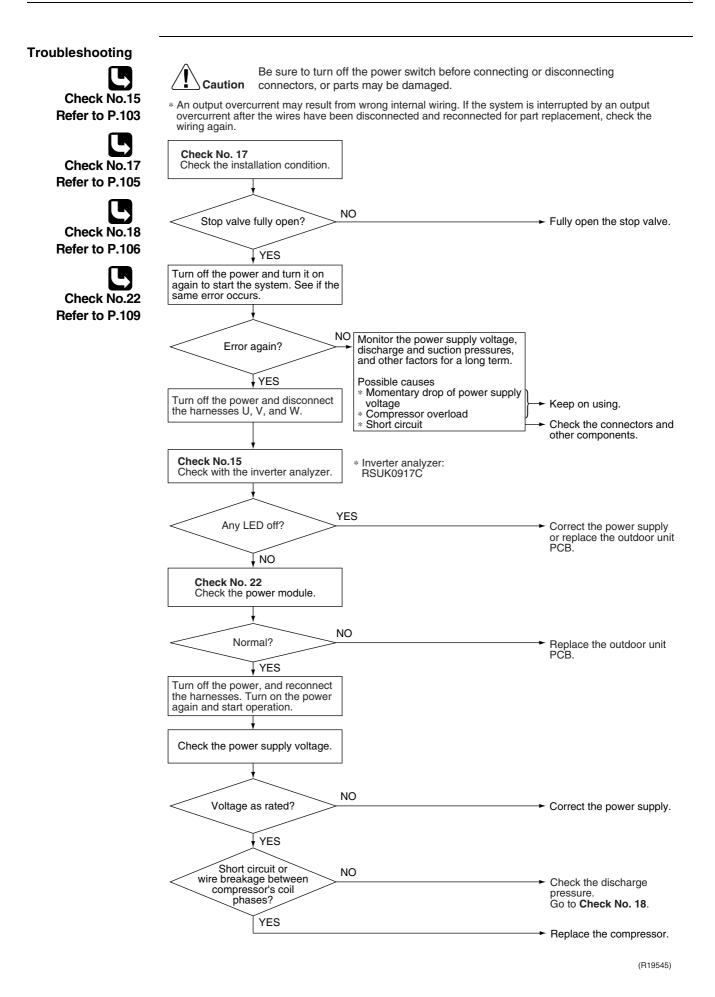




: Refer to Silicon Grease on Power Transistor / Diode Bridge on page 118 for detail.

4.24 Output Overcurrent Detection

Error Code	25
Method of Error Detection	An output overcurrent is detected by checking the current that flows in the inverter DC section.
Error Decision Conditions	 A position signal error occurs while the compressor is running. A rotation speed error occurs while the compressor is running. An output overcurrent signal is fed from the output overcurrent detection circuit to the microcomputer. If the error repeats, the system is shut down. Reset condition: Continuous run for about 11 minutes without any other error
Supposed Causes	 Poor installation condition Closed stop valve Defective power module Wrong internal wiring Abnormal power supply voltage Defective outdoor unit PCB Defective compressor



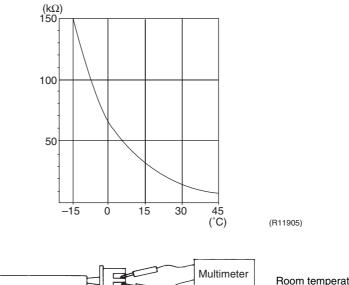
5. Check5.1 Thermistor Resistance Check

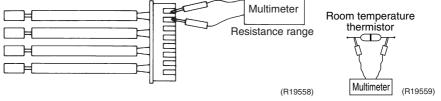
Check No.01

Disconnect the connectors of the thermistors from the PCB, and measure the resistance of each thermistor using multimeter.

The data is for reference purpose only.		
Thermistor temperature (°C)	Resistance ($k\Omega$)	
-20	197.8	
-15	148.2	
-10	112.1	
-5	85.60	
0	65.93	
5	51.14	
10	39.99	
15	31.52	
20	25.02	
25	20.00	
30	16.10	
35	13.04	
40	10.62	
45	8.707	
50	7.176	
	$(B25^{\circ}C - 20 kO B - 3950 K)$	

 $(R25^{\circ}C = 20 \text{ k}\Omega, B = 3950 \text{ K})$



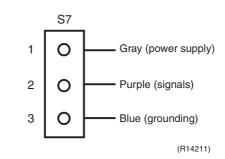


- When the room temperature thermistor is soldered on a PCB, remove the PCB from the control PCB to measure the resistance.
- When the connector of indoor heat exchanger thermistor is soldered on a PCB, remove the thermistor and measure the resistance.

Hall IC Check 5.2

Check No.04

- 1. Check the connector connection.
- 2. With the power on, operation off, and the connector connected, check the following. *Output voltage of about 5 V between pins 1 and 3.
 - *Generation of 3 pulses between pins 2 and 3 when the fan motor is operating.
- If NG in step 1 \rightarrow Defective PCB \rightarrow Replace the PCB.
- If NG in step 2 \rightarrow Defective Hall IC \rightarrow Replace the fan motor. \rightarrow Replace the PCB.
- If OK in both steps 1 and 2



Power Supply Waveforms Check 5.3

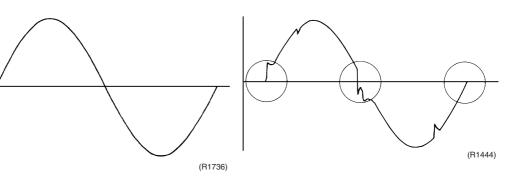
Check No.11

Measure the power supply waveform between No. 1 and No. 2 on the terminal board, and check the waveform disturbance.

- Check if the power supply waveform is a sine wave. (Fig.1)
- Check if there is waveform disturbance near the zero cross. (sections circled in Fig.2)

Fig.1



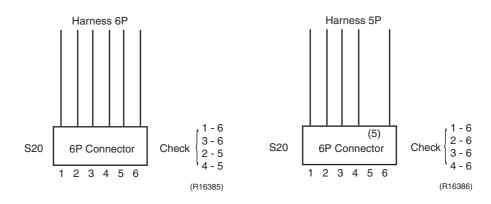


5.4 Electronic Expansion Valve Check

Check No.12

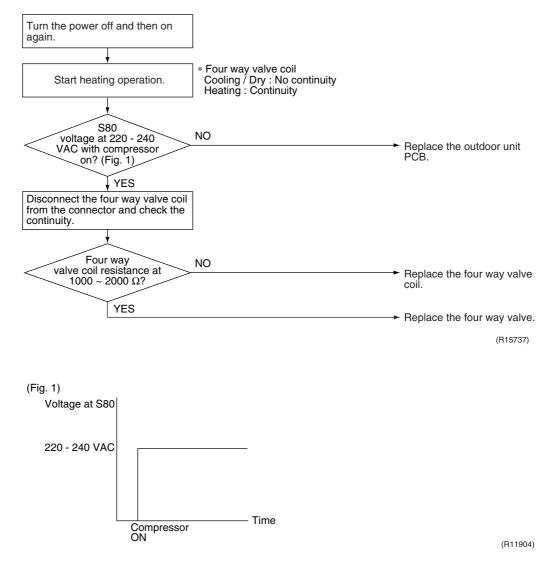
Conduct the followings to check the electronic expansion valve (EV).

- 1. Check if the EV connector is correctly connected to the PCB.
- 2. Turn the power off and on again, and check if the EV generates a latching sound.
- 3. If the EV does not generate a latching sound in the above step 2, disconnect the connector and check the continuity using a multimeter.
- 4. Check the continuity between the pins 1 6, 3 6, 2 5, 4 5 (between the pins 1 6, 2 6, 3 6, 4 6 for the harness 5P models). If there is no continuity between the pins, the EV coil is faulty.
- 5. If the continuity is confirmed in step 3, the outdoor unit PCB is faulty



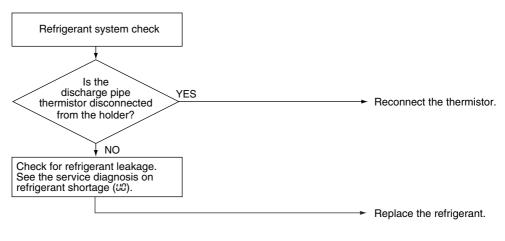
5.5 Four Way Valve Performance Check

Check No.13



5.6 Inverter Unit Refrigerant System Check

Check No.14



(R15833)

5.7 Inverter Analyzer Check

Check No.15

Characteristics

Inverter analyzer: RSUK0917C

If an abnormal stop occurs due to compressor startup failure or overcurrent output when using an inverter unit, it is difficult to judge whether the stop is caused by the compressor failure or some other failure (main PCB, power module, etc.). The inverter analyzer makes it possible to judge the cause of trouble easily and securely. (Connect an inverter analyzer as a quasicompressor instead of compressor and check the output of the inverter)

Operation Method

Step 1

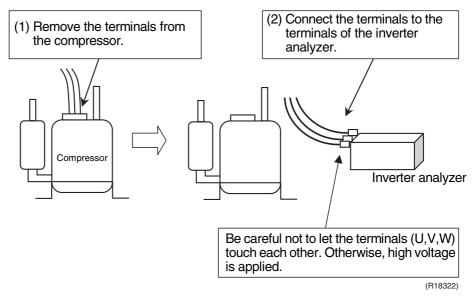
Be sure to turn the power off.

Step 2

Install an inverter analyzer instead of a compressor.

Note:

Make sure the charged voltage of the built-in smoothing electrolytic capacitor drops to 10 VDC or below before carrying out the service work.



Reference:

If the terminals of the compressor are not FASTON terminals (difficult to remove the wire on the terminals), it is possible to connect wires available on site to the outdoor unit from output side of PCB. (Do not connect them to the compressor at the same time, otherwise it may result in incorrect detection.)

Step 3

Activate the power transistor test operation from the outdoor unit.

1) Press the forced cooling operation **ON/OFF** button for 5 seconds.

- (Refer to page 113 for the position.)
- \rightarrow Power transistor test operation starts.

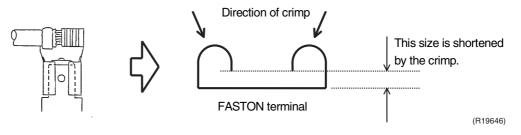
Diagnose method (Diagnose according to 6 LEDs lighting status.)

- If all the LEDs are lit uniformly, the compressor is defective. \rightarrow Replace the compressor.
- (2) If the LEDs are not lit uniformly, check the power module. \rightarrow Refer to Check No.22.
- (3) If NG in Check No.22, replace the power module. (Replace the main PCB. The power module is united with the main PCB.) If OK in Check No.22, check if there is any solder cracking on the PCB.
- (4) If any solder cracking is found, replace the PCB or repair the soldered section. If there is no solder cracking, replace the PCB.



Caution

- (1) When the output frequency is low, the LEDs blink slowly. As the output frequency increases, the LEDs blink quicker. (The LEDs look like they are lit.)
- (2) On completion of the inverter analyzer diagnosis, be sure to re-crimp the FASTON terminals. Otherwise, the terminals may be burned due to loosening.



5.8 Rotation Pulse Check on the Outdoor Unit PCB

Check No.16

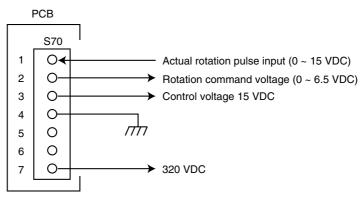
RK(X)S25/35E2V1B, RK(X)S25/35G2V1B

Make sure that the voltage of 320 ± 30 V is applied.

- 1. Set operation off and power off. Disconnect the connector S70.
- 2. Check that the voltage between the pins 4 7 is 320 VDC.
- 3. Check that the control voltage between the pins 3 4 is 15 VDC.
- 4. Check that the rotation command voltage between the pins 2 4 is $0 \sim 6.5$ VDC.
- 5. Keep operation off and power off. Connect the connector S70.
- 6. Check whether 4 pulses (0 ~ 15 VDC) are output at the pins 1 4 when the fan motor is rotated 1 turn by hand.

When the fuse is melted, check the outdoor fan motor for proper function.

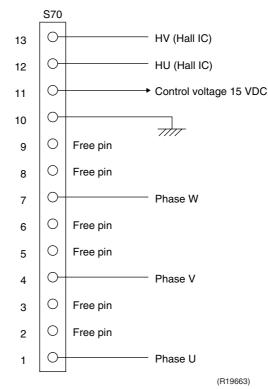
- If NG in step $2 \rightarrow$ Defective PCB \rightarrow Replace the outdoor unit PCB.
- If NG in step 4 \rightarrow Defective Hall IC \rightarrow Replace the outdoor fan motor. If OK in both steps 2 and 4
 - \rightarrow Replace the outdoor unit PCB.



(R19655)

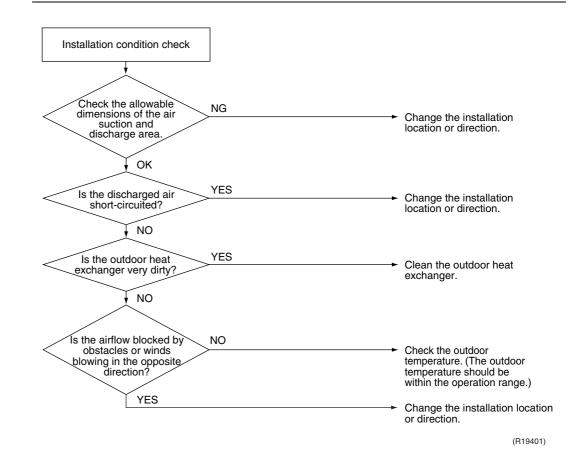
RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B

- 1. Check that the voltage between the pins 10 11 is 15 VDC.
- Check if the Hall IC generates the rotation pulse (0 ~ 15 VDC) 4 times between the pins 10 -12, 10 - 13, when the fan motor is manually rotated once.



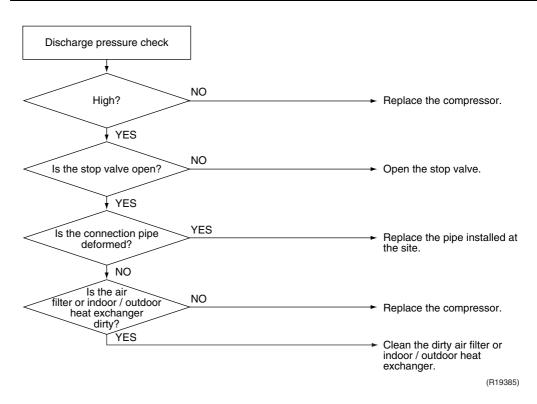
5.9 Installation Condition Check





5.10 Discharge Pressure Check

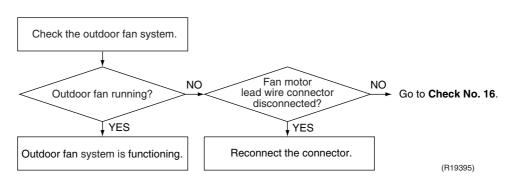
Check No.18



5.11 Outdoor Fan System Check

Check No.19

DC motor



5.12 Main Circuit Short Check

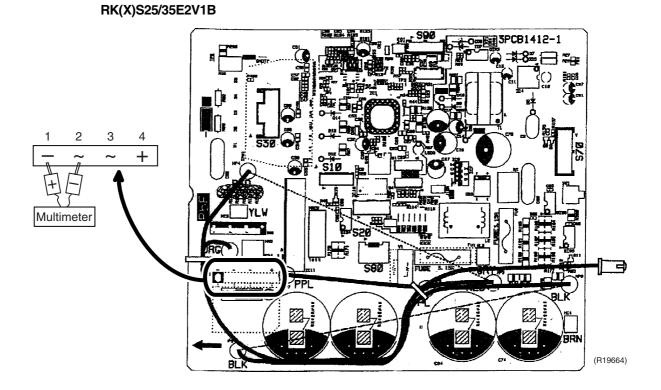
Check No.20



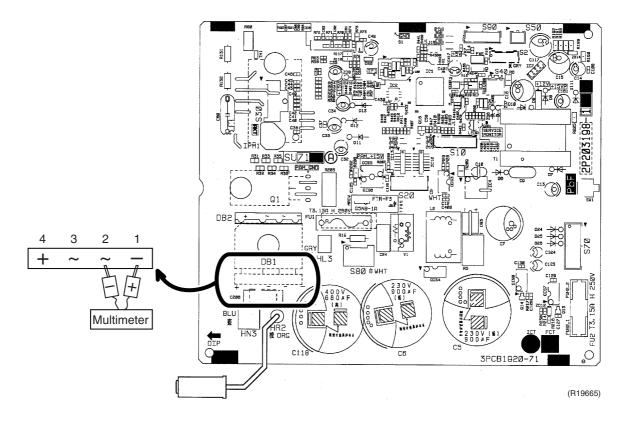
Check to make sure that the voltage between (+) and (–) of the diode bridge (DB1) is approximately 0 V before checking.

Measure the resistance between the pins of the DB1 referring to the table below.
 If the resistance is ∞ or less than 1 kΩ, short circuit occurs on the main circuit.

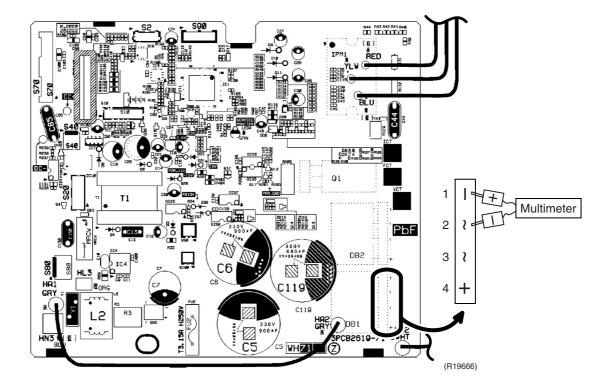
Negative (–) terminal of multimeter (positive terminal (+) for digital multimeter)	~ (2, 3)	+ (4)	~ (2, 3)	— (1)
Positive (+) terminal of multimeter (negative terminal (–) for digital multimeter)	+ (4)	~ (2, 3)	— (1)	~ (2, 3)
Resistance is OK.	several k Ω ~ several M Ω	∞	∞	several k Ω ~ several M Ω
Resistance is NG.	0 Ω or ∞	0	0	0 Ω or ∞



RK(X)S25/35G2V1B



RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B



5.13 Power Module Check

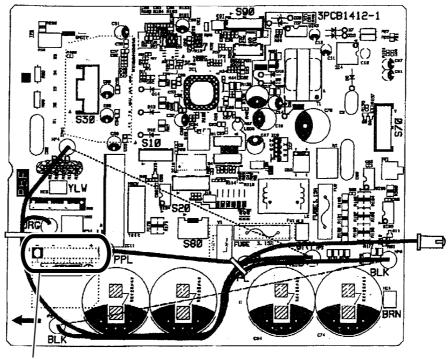
Check No.22



Check to make sure that the voltage between (+) and (–) of the power module or the diode bridge is approximately 0 V before checking.

- Disconnect the compressor harness connector from the outdoor unit PCB. To disengage the connector, press the protrusion on the connector.
- Follow the procedure below to measure resistance between the (+) or (-) terminal of the power module or the diode bridge, and the U, V, or W terminal of the compressor with a multimeter. Evaluate the measurement results referring to the following table.

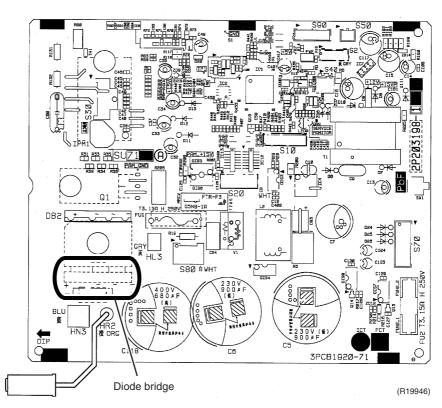
Negative (–) terminal of multimeter (positive terminal (+) for digital multimeter)	Power module (+) or Diode bridge (+)	UVW	Power module (–) or Diode bridge (–)	UVW
Positive (+) terminal of multimeter (negative terminal (–) for digital multimeter)	UVW	Power module (+) or Diode bridge (+)	UVW	Power module (–) or Diode bridge (–)
Resistance is OK.	several k Ω ~ several M Ω			
Resistance is NG.	0 Ω or ∞			



RK(X)S25/35E2V1B

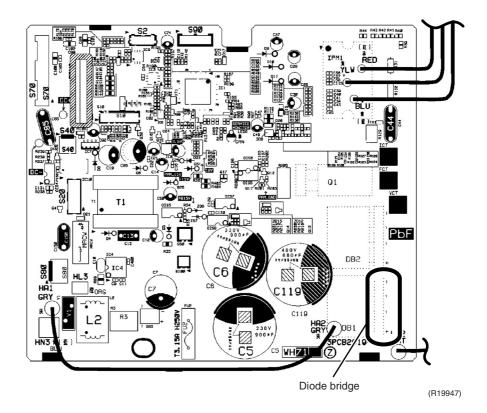
Diode bridge

(R19945)



RK(X)S25/35G2V1B

RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B



Part 7 Trial Operation and Field Settings

1.	Pump Down Operation	112
2.	Forced Cooling Operation	113
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4.	Field Settings	115
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	4.2 Facility Setting Jumper (cooling at low outdoor temperature)	116
	4.3 Jumper and Switch Settings	117
5.	Silicon Grease on Power Transistor / Diode Bridge	118

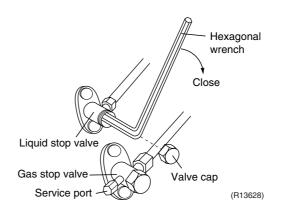
1. Pump Down Operation

Outline

In order to protect the environment, be sure to conduct pump down operation when relocating or disposing of the unit.

Detail

- 1) Remove the valve caps from the liquid stop valve and the gas stop valve.
- 2) Carry out forced cooling operation.
- 3) After 5 to 10 minutes, close the liquid stop valve with a hexagonal wrench.
- 4) After 2 to 3 minutes, close the gas stop valve and stop the forced cooling operation.



L

Refer to page 113 for forced cooling operation.

2. Forced Cooling Operation

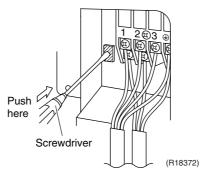
Item	Forced Cooling	
Conditions	The forced cooling operation is allowed when both of the following conditions met.	
	 The outdoor unit is not abnormal and not in the 3-minute standby mode. The outdoor unit is not operating. 	
Start	The forced cooling operation starts when any of the following conditions is fulfilled.	
	1) Press the forced cooling operation ON/OFF button (SW1) on the indoor unit for 5 seconds.	
	2) Press the forced cooling operation ON/OFF button (SW1) on the outdoor unit.	
Command frequency	RK(X)S25/35E2V1B, RK(X)S25/35G2V1B: 68 Hz RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B: 58 Hz	
End	The forced cooling operation ends when any of the following conditions is fulfilled.	
	 The operation ends automatically after 15 minutes. Press the forced cooling operation ON/OFF button (SW1) on the indoor unit again. Press the ON/OFF button on the remote controller. Press the forced cooling operation ON/OFF button (SW1) on the outdoor unit. 	
Others	Protection functions have priority over all other functions during forced cooling operation.	

Indoor Unit

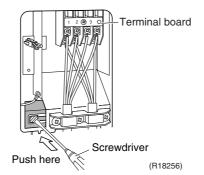


ON/OFF button (SW1) (R19667)

Outdoor Unit: RK(X)S25/35E2V1B, RK(X)S25/35G2V1B



Outdoor Unit: RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B

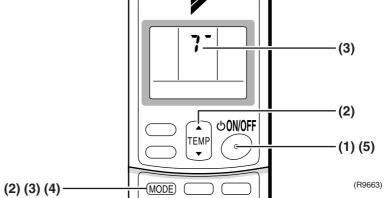




• When pressing the button, do not touch the terminal board. It has a high voltage and may cause electric shock.

3. Trial Operation

Outline	Carry out the trial operation in accordance with the operation manual to ensure that all functions and parts, such as flap movement, are working properly. Trial operation should be carried out in either cooling or heating operation.
Detail	 Measure the power supply voltage and make sure that it falls within the specified range. In cooling operation, select the lowest programmable temperature (18°C); in heating operation, select the highest programmable temperature (30°C). Trial operation may be disabled in either operation mode depending on the room temperature. After trial operation is complete, set the temperature to a normal level (26°C ~ 28°C in cooling, 20°C ~ 24°C in heating operation). For protection, the system does not start for 3 minutes after it is turned off.
Detail	 ARC433 Series (1) Press the ON/OFF button to turn on the system. (2) Press the center of the TEMP button and the MODE button at the same time. (3) Press the MODE button twice. (7⁻ appears on the display to indicate that trial operation is selected.) (4) Press the MODE button and select operation mode. (5) Trial operation terminates in approximately 30 minutes and switches into normal mode. To quit a trial operation, press the ON/OFF button.



1

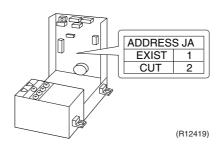
4. Field Settings4.1 When 2 Units are Installed in 1 Room

Outline

When 2 indoor units are installed in 1 room, 1 of the 2 indoor units and the corresponding wireless remote controller can be set for different addresses. Both the indoor unit PCB and the wireless remote controller need alteration.

Indoor Unit PCB

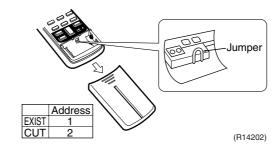
Cut the address setting jumper JA on the control PCB.





Replace the PCB if you accidentally cut a wrong jumper. Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.

Wireless Remote Controller Cut the address setting jumper.



4.2 Facility Setting Jumper (cooling at low outdoor temperature)

Outline

This function is limited only for facilities (the target of air conditioning is equipment (such as computer)). Never use it in a residence or office (the space where there is a human).

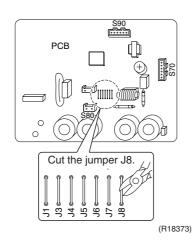
Main PCB

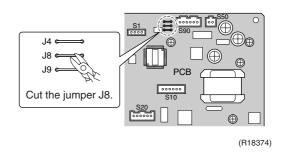
Detail

You can expand the operation range to -15° C by cutting the jumper on the outdoor unit PCB. If the outdoor temperature falls to -20° C or lower, the operation stops. If the outdoor temperature rises, the operation starts again.

- RKS25/35E2V1B
- RK(X)S25/35G2V1B

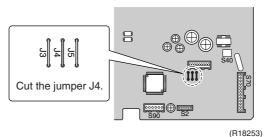
Main PCB





RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B

Main PCB





- If the outdoor unit is installed where the outdoor heat exchanger of the unit is exposed to direct wind, provide a windbreak wall.
 - 2. Intermittent noises may be produced by the indoor unit due to the outdoor fan turning on and off when using facility settings.
 - 3. Do not place humidifiers or other items which might raise the humidity in rooms where facility settings are being used.
 - A humidifier might cause dew condensation from the indoor unit outlet vent.
 - 4. Cutting the jumper sets the indoor fan tap to the highest position.



Replace the PCB if you accidentally cut a wrong jumper.

Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.

4.3 Jumper and Switch Settings

Jumper

Function	Jumper	When connected (factory setting)	When cut
Fan speed setting when compressor stops for thermostat OFF. (effective only in cooling operation)	JB (on indoor unit PCB)	Fan speed setting; Remote controller setting	The fan stops.
Power failure recovery function	JC (on indoor unit PCB)	Auto-restart	The unit does not resume operation after recovering from a power failure. Timer settings are cleared.
Improvement of defrost performance	J5 (on outdoor unit PCB)	Standard control	Reinforced control (ex. The frequency increases, the duration time of defrost lengthens.)



Replace the PCB if you accidentally cut a wrong jumper.

Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.

For the location of the jumper, refer to the following pages. Indoor unit; page 18 Outdoor unit; page 20, 22, 24

Switch

Function	Switch	FLOOR (factory setting)	CEILING
Installation style changeover	SW2 (on indoor unit PCB)		When installed as the ceiling suspended type



For the location of the switch, refer to page 18.

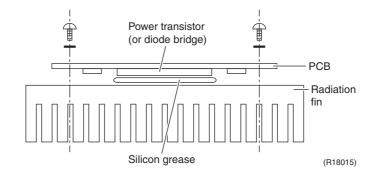
5. Silicon Grease on Power Transistor / Diode Bridge

Outline

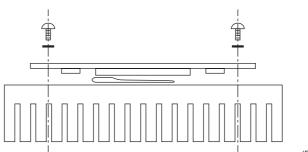
Apply the specified silicon grease to the heat radiation part of a power transistor / diode bridge when you replace an outdoor unit PCB. The silicon grease encourages the heat radiation of a power transistor / diode bridge.

Detail

- 1. Wipe off the old silicon grease completely.
- 2. Apply the silicon grease evenly. See the illustrations below for examples of application.
- 3. Tighten the screws of the power transistor / diode bridge.
- 4. Make sure that the heat radiation parts are firmly contacted to the radiation fin.
- Note: Smoke emission may be caused by bad heat radiation when the silicon grease is not appropriately applied.
- OK: Evenly applied

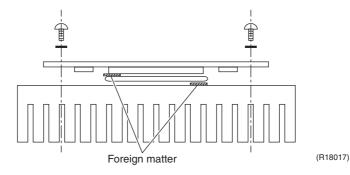


NG: Not evenly applied



(R18016)

■ NG: Foreign matter is stuck.

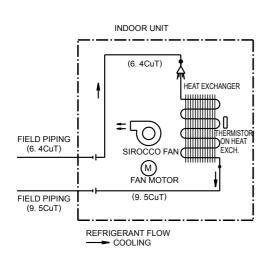


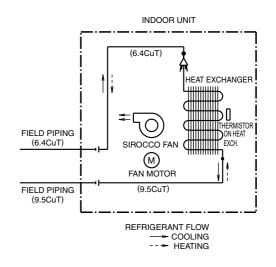
Part 8 Appendix

1. Piping Diagrams 1.1 Indoor Unit

FLKS25/35BAVMB

FLXS25/35BAVMB, FLXS35BAVMB9



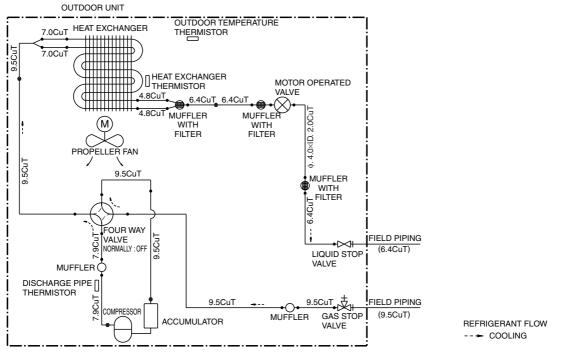


4D034012E

4D048722C

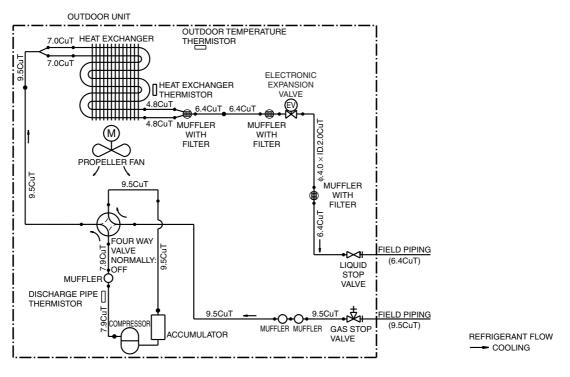
1.2 Outdoor Unit 1.2.1 Cooling Only

RKS25/35E2V1B



3D047318G

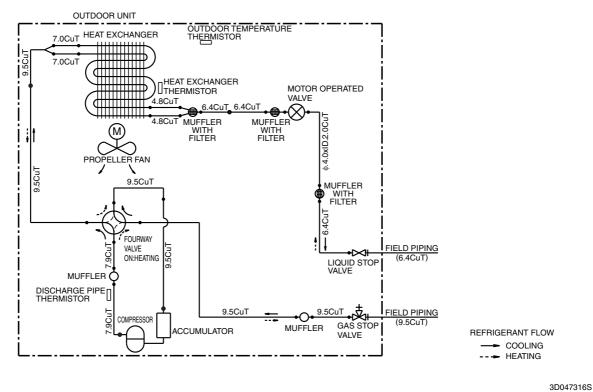
RKS25/35G2V1B, RKS25/35G2V1B9

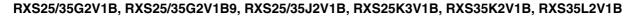


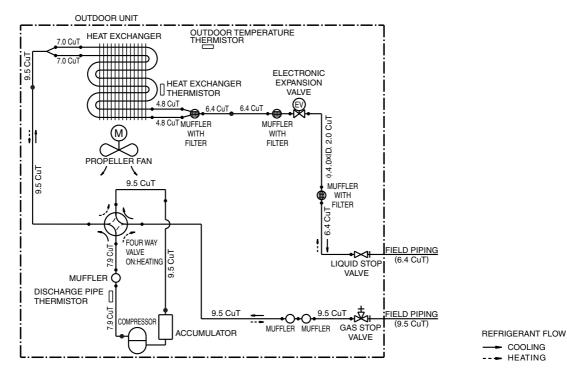
3D059589G

1.2.2 Heat Pump

RXS25/35E2V1B



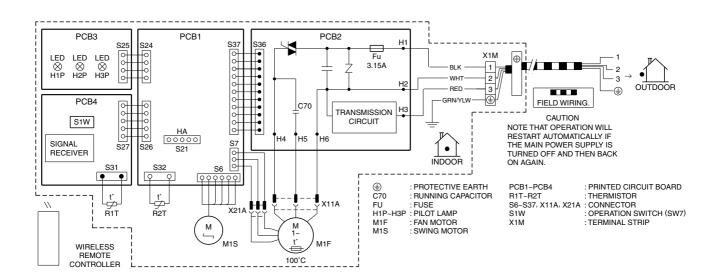




3D059586T

2. Wiring Diagrams 2.1 Indoor Unit

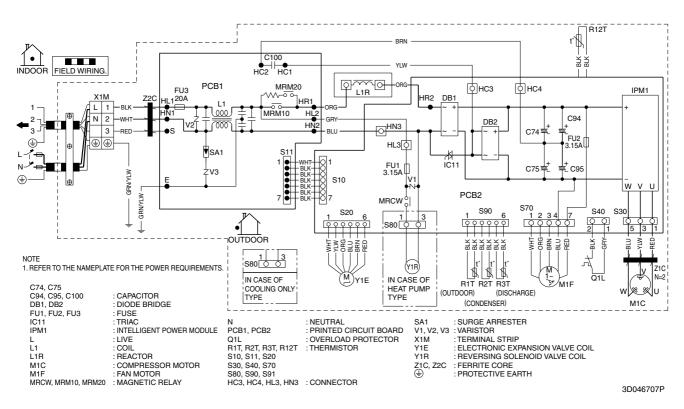
FLK(X)S25/35BAVMB, FLXS35BAVMB9



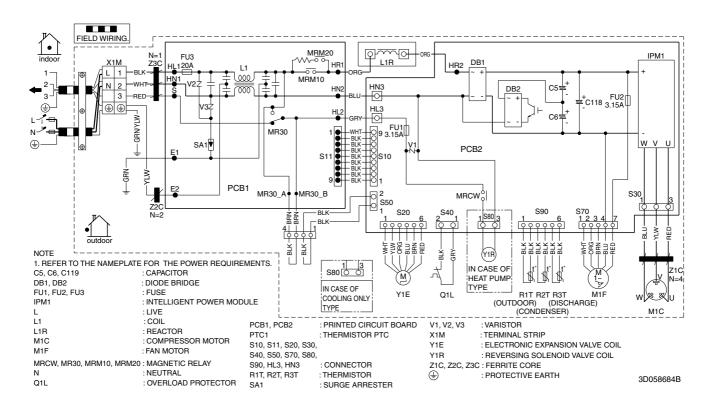
3D033909G

2.2 Outdoor Unit

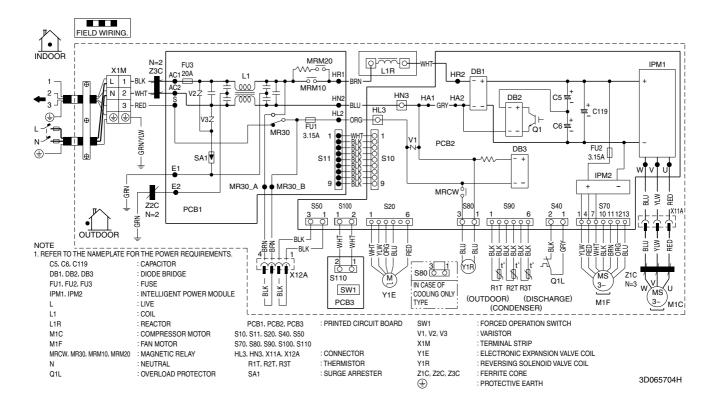
RK(X)S25/35E2V1B



RK(X)S25/35G2V1B



RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25K3V1B, RXS35K2V1B, RXS35L2V1B



Revision History

Month / Year	Version	Revised contents	
01 / 2007	SiBE05-722	First edition	
05 / 2010	SiBE05-722_A	Model addition: RK(X)S25/35G2V1B, RK(X)S25/35G2V1B9	
01 / 2011	SiBE05-722_B	Model addition: RXS25/35J2V1B	
12 / 2012	SiBE05-722_C	Model addition: RXS25K3V1B, RXS35K2V1B	
01 / 2014	SiBE05-722ED	Model addition: FLXS35BAVMB9, RXS35L2V1B	



- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.

If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Dealer DAIKIN INDUSTRIES, LTD. Head Office: Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan Tokyo Office: JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan http://www.daikin.com ©All rights reserved