



Inverter Pair Floor Standing Type F-Series



[Applied Models]Inverter Pair : Cooling OnlyInverter Pair : Heat Pump

Inverter Pair Floor Standing Type F-Series

•Cooling Only

Indoor Unit

FVXS25FV1B FVXS35FV1B FVXS50FV1B

Outdoor Unit

RKS25F2V1B	RKS25G2V1B
RKS35F2V1B	RKS35G2V1B
RKS50F2V1B	RKS50G2V1B
	RKS25G2V1B9
	RKS35G2V1B9

•Heat Pump

Indoor Unit

FVXS25FV1B FVXS35FV1B FVXS50FV1B

Outdoor Unit

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Introduction Safety Cautions

Cautions and Warnings

- Be sure to read the following safety cautions before conducting repair work.
- The caution items are classified into " <u>Number Number 2007</u>, <u>Number 2007, <u>Number 2007</u>, <u>Number 2007, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007, <u>Number 2007</u>, <u>Number 2007</u>, <u>Number 2007, <u>Number 2007</u>, <u>Number 2007</u>, <u></u></u></u></u></u></u></u></u>
- About the pictograms
 - \triangle 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.
- 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.

1.1.1 Cautions Regarding Safety of Workers

Warning	
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.	8 :5:
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
The step-up capacitor supplies high-voltage electricity to the electrical components of the outdoor unit. Be sure to discharge the capacitor completely before conducting repair work. A charged capacitor may cause an electrical shock.	A
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

Warning	
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-410A refrigerant models, be sure to use pipes, flare nuts and tools for the exclusive use of the 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
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.	0
Use the welder in a well-ventilated place. Using the welder in an enclosed room may cause oxygen deficiency.	0

1.1.2 Cautions Regarding Safety of Users

Varning	
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.	9
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.	
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
Do not mix air or gas other than the specified refrigerant (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
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.	9
If the installation platform or frame has corroded, replace it. Corroded installation platform or frame may cause the unit to fall, resulting in injury.	9
Check the grounding, and repair it if the equipment is not properly grounded. Improper grounding may cause an electrical shock.	Ģ

Caution	
Be sure to measure the insulation resistance after the repair, and make sure that the resistance is 1 $M\Omega$ or higher. Faulty insulation may cause an electrical shock.	0
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.	0
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

1.2 Used Icons

Icons are used to attract the attention of the reader to specific information. The meaning of each icon is described in the table below:

lcon	Type of Information	Description
Note:	Note	A "note" provides information that is not indispensable, but may nevertheless be valuable to the reader, such as tips and tricks.
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.
Warning	Warning	A "warning" is used when there is danger of personal injury.
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.	Fund	ctions	2
		Cooling Only	
		Heat Pump	
		····	

Functions 1.1 Cooling Only

Category	Functions	FVXS25/35FV1B RKS25/35F2V1B	FVXS50FV1B RKS50F2V1B	Category	Functions	FVXS25/35FV1B RKS25/35F2V1B	FVXS50FV1B RKS50F2V1B
Basic	Inverter (with inverter power control)	•	•	Health &			
Function	Operation limit for cooling (°CDB)	-10 ~46 ★	-10 ~46 ★	Clean	Air-purifying filter	-	-
	Operation limit for heating (°CWB)	-	—		Photocatalytic deodorizing filter	—	—
	PAM control	•	•	-	Air-purifying filter with photocatalytic		
	Standby electricity saving	-	—		deodorizing function		_
Compressor	Oval scroll compressor	—	—		Titanium apatite photocatalytic		
	Swing compressor	•	•		air-purifying filter	•	•
	Rotary compressor	—	—		Air filter (prefilter)	•	•
	Reluctance DC motor	•	•		Wipe-clean flat panel	•	•
Comfortable	Power-airflow flap	-	-		Washable grille	—	—
Airflow	Power-airflow dual flaps	-	—	-	MOLD PROOF operation	—	—
	Power-airflow diffuser	-	_	-	Good-sleep cooling operation	_	_
	Wide-angle louvers	•	•	Timer	WEEKLY TIMER operation	•	•
	Vertical auto-swing (up and down)	٠	•		24-hour ON/OFF TIMER	•	•
	Horizontal auto-swing (right and left)	—	—		NIGHT SET mode	•	•
	3-D airflow	-	—	Worry Free	Auto-restart (after power failure)	•	•
Comfort	Auto fan speed	•	•	"Reliability & Durability"	Self-diagnosis (digital, LED) display	•	•
Control	Indoor unit quiet operation	•	•	Durability	Wiring error check function	_	_
	NIGHT QUIET mode (automatic)	- 1	_				
	OUTDOOR UNIT QUIET operation (manual)	•	•		Anti-corrosion treatment of outdoor heat exchanger	•	•
	INTELLIGENT EYE operation	—	—	Flexibility	Multi-split / split type compatible indoor unit	•	•
	Quick warming function (preheating operation)	-	_		H/P, C/O compatible indoor unit	•	•
	Hot-start function		—	-	Flexible power supply correspondence	—	—
	Automatic defrosting	-	—	_	Chargeless	10 m	10 m
Operation	Automatic operation	-	—	_	Either side drain (right or left)	—	—
	Program dry operation	•	•		Power selection	—	—
	Fan only	٠	•	Remote	5-room centralized controller (option)	•	•
Lifestyle Convenience	New POWERFUL operation (non-inverter)	-	—	Control	Remote control adaptor (normal open pulse contact) (option)	•	•
	Inverter POWERFUL operation	٠	•				
	Priority-room setting	—	—	-	Remote control adaptor	•	•
	COOL / HEAT mode lock	-			(normal open contact) (option)		
	HOME LEAVE operation	—	—	-	DIII-NET compatible (adaptor) (option)	•	•
	ECONO operation	•	٠				
	Indoor unit [ON/OFF] button	•	٠	Remote	Wireless	•	•
	Signal receiving sign	•	٠	Controller	Wired (option)		
	R/C with back light	•	٠				
	Temperature display	1 —					

Note: • : Holding Functions

- : No Functions

 ★: Lower limit can be extended by cutting jumper (25/35 class) or turning switch (50 class). (facility use only) Refer to page 146 for detail.

Category	Functions	FVXS25/35FV1B RKS25/35G2V1B	FVXS50FV1B RKS50G2V1B	Category	Functions	FVXS25/35FV1B RKS25/35G2V1B	FVXS50FV1B RKS50G2V1B
Basic	Inverter (with inverter power control)	•	•	Health &			
Function	Operation limit for cooling (°CDB)	-10 ~46 ★	-10 ~46 ★	Clean	Air-purifying filter	-	_
	Operation limit for heating (°CWB)	_	—		Photocatalytic deodorizing filter		—
	PAM control	•	•		Air-purifying filter with photocatalytic		
	Standby electricity saving	—	—		deodorizing function	_	_
Compressor	Oval scroll compressor	—	_		Titanium apatite photocatalytic	-	
	Swing compressor	•	•		air-purifying filter	•	•
	Rotary compressor	—	T —		Air filter (prefilter)	•	•
	Reluctance DC motor	•	•		Wipe-clean flat panel	•	•
Comfortable	Power-airflow flap	—	_		Washable grille	_	_
Airflow	Power-airflow dual flaps	_	—		MOLD PROOF operation	_	_
	Power-airflow diffuser	_	_		Good-sleep cooling operation	_	_
	Wide-angle louvers	•	•	Timer	WEEKLY TIMER operation	•	•
	Vertical auto-swing (up and down)	•	•		24-hour ON/OFF TIMER	•	•
	Horizontal auto-swing (right and left)	_	_		NIGHT SET mode	•	•
	3-D airflow		_	Worry Free	Auto-restart (after power failure)	•	•
Comfort	Auto fan speed	•	•	"Reliability &	Self-diagnosis (digital, LED) display	•	•
Control	Indoor unit quiet operation	•	•	Durability"	Wiring error check function	_	_
	NIGHT QUIET mode (automatic)	_	—				
	OUTDOOR UNIT QUIET operation (manual)	•	•		Anti-corrosion treatment of outdoor heat exchanger	•	•
	INTELLIGENT EYE operation	—	—	Flexibility	Multi-split / split type compatible indoor unit	•	•
	Quick warming function (preheating operation)	_	_		H/P, C/O compatible indoor unit	•	•
	Hot-start function	—	—		Flexible power supply correspondence	—	—
	Automatic defrosting	—	—		Chargeless	10 m	10 m
Operation	Automatic operation	—			Either side drain (right or left)	—	—
	Program dry operation	•	•		Power selection	—	—
	Fan only	•	•	Remote	5-room centralized controller (option)	•	•
Lifestyle Convenience	New POWERFUL operation (non-inverter)	_	—	Control	Remote control adaptor (normal open pulse contact) (option)	•	•
	Inverter POWERFUL operation	•	•				
	Priority-room setting	—			Remote control adaptor	•	
	COOL / HEAT mode lock]	(normal open contact) (option)		
	HOME LEAVE operation	—	-	ļ	DIII-NET compatible (adaptor) (option)	•	•
	ECONO operation	•	٠			-	
	Indoor unit [ON/OFF] button	•	•	Remote	Wireless	•	•
	Signal receiving sign	•	•	Controller	Wired (option)	-	-
	R/C with back light	•	٠				
	Temperature display	_	—				

- : No Functions

 ★: Lower limit can be extended by cutting jumper (25/35 class) or turning switch (50 class). (facility use only)
 Refer to page 146 for detail.

Category	Functions	FVXS25/35FV1B RKS25/35G2V1B9	Category	Functions	FVXS25/35FV1B RKS25/35G2V1B9
Basic Function	Inverter (with inverter power control)	● -10	Health & Clean	Air-purifying filter	_
	Operation limit for cooling (°CDB)	~46 ★			
	Operation limit for heating (°CWB)	—		Photocatalytic deodorizing filter	—
	PAM control	•		Air-purifying filter with photocatalytic	
	Standby electricity saving	-		deodorizing function	_
Compressor	Oval scroll compressor	-	-	Titanium apatite photocatalytic	
	Swing compressor	•		air-purifying filter	•
	Rotary compressor	-		Air filter (prefilter)	•
	Reluctance DC motor	٠	-	Wipe-clean flat panel	•
Comfortable	Power-airflow flap	—		Washable grille	—
Airflow	Power-airflow dual flaps	—		MOLD PROOF operation	—
	Power-airflow diffuser	—		Good-sleep cooling operation	—
	Wide-angle louvers	•	Timer	WEEKLY TIMER operation	•
	Vertical auto-swing (up and down)	٠		24-hour ON/OFF TIMER	•
	Horizontal auto-swing (right and left)	—		NIGHT SET mode	•
	3-D airflow	—	Worry Free	Auto-restart (after power failure)	•
Comfort	Auto fan speed	٠	"Reliability & Durability"	Self-diagnosis (digital, LED) display	•
Control	Indoor unit quiet operation	٠	Durability	Wiring error check function	—
	NIGHT QUIET mode (automatic)	-		Anti-corrosion treatment of outdoor heat	_
	OUTDOOR UNIT QUIET operation (manual)	٠		exchanger	•
	INTELLIGENT EYE operation	—	Flexibility	Multi-split / split type compatible indoor unit	•
	Quick warming function (preheating operation)	—		H/P, C/O compatible indoor unit	•
	Hot-start function	-	-	Flexible power supply correspondence	—
	Automatic defrosting	_	-	Chargeless	10 m
Operation	Automatic operation	_	-	Either side drain (right or left)	—
	Program dry operation	•	-	Power selection	—
	Fan only	٠	Remote	5-room centralized controller (option)	•
Lifestyle	New POWERFUL operation (non-inverter)	_	Control	Remote control adaptor	
Convenience	Inverter POWERFUL operation	٠		(normal open pulse contact) (option)	•
	Priority-room setting	_	-	Remote control adaptor	
	COOL / HEAT mode lock	—		(normal open contact) (option)	•
	HOME LEAVE operation	-	1		_
	ECONO operation	•	1	DIII-NET compatible (adaptor) (option)	•
	Indoor unit [ON/OFF] button	•	Remote	Wireless	•
	Signal receiving sign	٠	Controller	Wired (option)	—
1	R/C with back light	•			
	Temperature display	- 1			
Note	• : Holding Functions		+·	Lower limit can be extended by cutting jumper	

- : No Functions

★: Lower limit can be extended by cutting jumper (25/35 class). (facility use only) Refer to page 146 for detail.

1.2 Heat Pump

Category	Functions	FVXS25/35FV1B RXS25/35F2V1B	FVXS50FV1B RXS50F2V1B	Category	Functions	FVXS25/35FV1B RXS25/35F2V1B	FVXS50FV1B RXS50F2V1B
Basic	Inverter (with inverter power control)	•	•	Health &			
Function	Operation limit for cooling (°CDB)	-10 ~46 ★	-10 ~46 ★	Clean	Air-purifying filter	-	—
	Operation limit for heating (°CWB)	-15 ~18	-15 ~18		Photocatalytic deodorizing filter	_	—
	PAM control	•	•		Air-purifying filter with photocatalytic		
	Standby electricity saving	—	_		deodorizing function		_
Compressor	Oval scroll compressor	-	-		Titanium apatite photocatalytic air-		
	Swing compressor	•	•	-	purifying filter	•	•
	Rotary compressor	—	—		Air filter (prefilter)	٠	•
	Reluctance DC motor	•	٠		Wipe-clean flat panel	٠	•
Comfortable	Power-airflow flap	_	—		Washable grille	—	—
Airflow	Power-airflow dual flaps	—	_		MOLD PROOF operation	_	—
	Power-airflow diffuser	_	_		Good-sleep cooling operation	_	_
	Wide-angle louvers	•	•	Timer	WEEKLY TIMER operation	٠	•
	Vertical auto-swing (up and down)	•	•		24-hour ON/OFF TIMER	٠	•
	Horizontal auto-swing (right and left)	_	_	-	NIGHT SET mode	•	•
	3-D airflow	_	_	Worry Free	Auto-restart (after power failure)	•	•
Comfort	Auto fan speed	•	•	"Reliability & Durability"	Self-diagnosis (digital, LED) display	•	•
Control	Indoor unit quiet operation	•	•	Durability	Wiring error check function	_	_
	NIGHT QUIET mode (automatic)	_	_	-			
	OUTDOOR UNIT QUIET operation (manual)	•	•		Anti-corrosion treatment of outdoor heat exchanger	•	•
	INTELLIGENT EYE operation	_	_	Flexibility	Multi-split / split type compatible indoor unit	•	•
	Quick warming function (preheating operation)	•	•	4	H/P, C/O compatible indoor unit	•	•
	Hot-start function	•	•	-	Flexible power supply correspondence	—	—
	Automatic defrosting	•	•	-	Chargeless	10 m	10 m
Operation	Automatic operation	•	•	_	Either side drain (right or left)	—	—
	Program dry operation	•	•		Power selection	—	—
	Fan only	•	•	Remote	5-room centralized controller (option)	٠	•
Lifestyle Convenience	New POWERFUL operation (non-inverter)	_	—	Control	Remote control adaptor (normal open pulse contact) (option)	•	•
	Inverter POWERFUL operation	•	•				
	Priority-room setting	—	-		Remote control adaptor	•	•
	COOL / HEAT mode lock	—			(normal open contact) (option)		
	HOME LEAVE operation	—	-		DIII-NET compatible (adaptor) (option)	•	
	ECONO operation	•	٠				
	Indoor unit [ON/OFF] button	•	•	Remote	Wireless	•	•
	Signal receiving sign	•	٠	Controller	Wired (option)	_	
	R/C with back light	•	٠				
	Temperature display						
Nata	 Holding Functions 			-	Lower limit can be extended by cutting it		

Note: • : Holding Functions

- : No Functions

 ★: Lower limit can be extended by cutting jumper (25/35 class) or turning switch (50 class). (facility use only) Refer to page 146 for detail.

Category	Functions	FVXS25/35FV1B RXS25/35G2V1B	FVXS50FV1B RXS50G2V1B	Category	Functions	FVXS25/35FV1B RXS25/35G2V1B	FVXS50FV1B RXS50G2V1B
Basic	Inverter (with inverter power control)	٠	٠	Health &			
Function	Operation limit for cooling (°CDB)	-10 ~46 ★	-10 ~46 ★	Clean	Air-purifying filter	-	—
	Operation limit for heating (°CWB)	-15 ~18	-15 ~18		Photocatalytic deodorizing filter	_	—
	PAM control	٠	•		Air-purifying filter with photocatalytic		
	Standby electricity saving	—	—		deodorizing function	_	—
Compressor	Oval scroll compressor	—	—	-	Titanium apatite photocatalytic air-	•	
	Swing compressor	٠	٠		purifying filter		•
	Rotary compressor	—	—	-	Air filter (prefilter)	٠	٠
	Reluctance DC motor	٠	٠		Wipe-clean flat panel	•	•
Comfortable	Power-airflow flap	-	-		Washable grille	—	—
Airflow	Power-airflow dual flaps	-	-		MOLD PROOF operation	—	—
	Power-airflow diffuser	—	—		Good-sleep cooling operation	—	—
	Wide-angle louvers	٠	٠	Timer	WEEKLY TIMER operation	•	•
	Vertical auto-swing (up and down)	•	•		24-hour ON/OFF TIMER	•	•
	Horizontal auto-swing (right and left)	-	—		NIGHT SET mode	•	•
	3-D airflow	—	—	Worry Free	Auto-restart (after power failure)	•	•
Comfort	Auto fan speed	•	•	"Reliability & Durability"	Self-diagnosis (digital, LED) display	•	•
Control	Indoor unit quiet operation	•	•	,	Wiring error check function	—	—
	NIGHT QUIET mode (automatic)	—	—		Anti-corrosion treatment of outdoor		
	OUTDOOR UNIT QUIET operation (manual)	•	•		heat exchanger	•	•
	INTELLIGENT EYE operation	_	—	Flexibility	Multi-split / split type compatible indoor unit	•	•
	Quick warming function (preheating operation)	•	•		H/P, C/O compatible indoor unit	•	•
	Hot-start function	•	•	_	Flexible power supply correspondence	—	—
	Automatic defrosting	•	•	_	Chargeless	10 m	10 m
Operation	Automatic operation	•	•	_	Either side drain (right or left)	—	—
	Program dry operation	٠	•		Power selection	—	—
	Fan only	٠	•	Remote	5-room centralized controller (option)	•	•
Lifestyle Convenience	New powerful operation (non-inverter)		_	Control	Remote control adaptor (normal open pulse contact) (option)	•	•
	Inverter POWERFUL operation	٠	•	_			
	Priority-room setting	—	_	_	Remote control adaptor	•	•
	COOL / HEAT mode lock		<u> </u>		(normal open contact) (option)	-	
	HOME LEAVE operation		<u> </u>		DIII-NET compatible (adaptor) (option)	•	•
	ECONO operation	•	•				
	Indoor unit [ON/OFF] button	•	•	Remote Controller	Wireless	•	•
	Signal receiving sign	•	•	Controller	Wired (option)	—	
	R/C with back light	•	•				
	Temperature display	-	-				

- : No Functions

 ★: Lower limit can be extended by cutting jumper. (facility use only) Refer to page 146 for detail.

	Temperature display	•			
	Signal receiving sign R/C with back light				
	Signal receiving sign	•	Controller	Wired (option)	—
	Indoor unit [ON/OFF] button	•	Remote	Wireless	•
	ECONO operation	•	-	DIII-NET compatible (adaptor) (option)	•
	HOME LEAVE operation	-	1		
	COOL / HEAT mode lock	_	1	(option)	•
	Priority-room setting	_	1	Remote control adaptor (normal open contact)	
Convenience	Inverter POWERFUL operation	•	-	contact) (option)	•
Lifestyle	New POWERFUL operation (non-inverter)	_	Control	Remote control adaptor (normal open pulse	
	Fan only	•	Remote	5-room centralized controller (option)	•
· · · · · · · · ·	Program dry operation	•	1	Power selection	—
Operation	Automatic operation	•	1	Either side drain (right or left)	
	Automatic defrosting	•	1	Chargeless	10 m
	Hot-start function	٠	1	Flexible power supply correspondence	—
	Quick warming function (preheating operation)	•	1	H/P, C/O compatible indoor unit	•
	INTELLIGENT EYE operation	_	Flexibility	Multi-split / split type compatible indoor unit	•
	OUTDOOR UNIT QUIET operation (manual)	•	-	exchanger	•
	NIGHT QUIET mode (automatic)	_	1	Anti-corrosion treatment of outdoor heat	
Control	Indoor unit quiet operation	•	Durability"	Wiring error check function	_
Comfort	Auto fan speed	•	"Reliability &	Self-diagnosis (digital, LED) display	•
	3-D airflow	_	Worry Free	Auto-restart (after power failure)	•
	Horizontal auto-swing (right and left)	_	1	NIGHT SET mode	•
	Vertical auto-swing (up and down)	•	1	24-hour ON/OFF TIMER	•
	Wide-angle louvers	•	Timer	WEEKLY TIMER operation	•
	Power-airflow diffuser	_	1	Good-sleep cooling operation	_
Airflow	Power-airflow dual flaps	_	1	MOLD PROOF operation	_
Comfortable	Power-airflow flap	_	-	Washable grille	_
	Reluctance DC motor	•		Wipe-clean flat panel	•
	Rotary compressor	_	1	Air filter (prefilter)	•
00p.0000.	Swing compressor	•		filter	•
Compressor	Oval scroll compressor	_	-	Titanium apatite photocatalytic air-purifying	
	Standby electricity saving	-	-	Air-purifying filter with photocatalytic deodorizing function	-
	Operation limit for heating (°CWB) PAM control	-15 ~18	-	Photocatalytic deodorizing filter	_
Function	Operation limit for cooling (°CDB)	-10 ~46 ★	Clean	Air-purifying filter	
Basic	Inverter (with inverter power control)	٠	Health &		
Category	Functions	FVXS25/35FV1B RXS25/35G2V1B9	Category	Functions	FVXS25/35FV1B RXS25/35G2V1B

- : No Functions

 ★: Lower limit can be extended by cutting jumper. (facility use only) Refer to page 146 for detail.

Category	Functions	FVXS25/35FV1B RXS25/35J2V1B	FVXS50FV1B RXS50J2V1B	Category	Functions	FVXS25/35FV1B RXS25/35J2V1B	FVXS50FV1B RXS50J2V1B
Basic	Inverter (with inverter power control)	•	•	Health &			
Function	Operation limit for cooling (°CDB)	-10 ~46 ★	-10 ~46 ★	Clean	Air-purifying filter	-	—
	Operation limit for heating (°CWB)	−15 ~18	-15 ~18		Photocatalytic deodorizing filter	_	—
	PAM control	•	•		Air-purifying filter with photocatalytic		
	Standby electricity saving	—	—		deodorizing function		
Compressor	Oval scroll compressor	—	—		Titanium apatite photocatalytic		
	Swing compressor	•	•		air-purifying filter	•	•
	Rotary compressor	—	—		Air filter (prefilter)	•	•
	Reluctance DC motor	•	•		Wipe-clean flat panel	•	•
Comfortable	Power-airflow flap	—	_		Washable grille	—	_
Airflow	Power-airflow dual flaps	—	_		MOLD PROOF operation	—	_
	Power-airflow diffuser	_	—	-	Good-sleep cooling operation	—	
	Wide-angle louvers	•	•	Timer	WEEKLY TIMER operation	٠	٠
	Vertical auto-swing (up and down)	•	•		24-hour ON/OFF TIMER	•	•
	Horizontal auto-swing (right and left)	—	—		NIGHT SET mode	٠	•
	3-D airflow	—	—	Worry Free	Auto-restart (after power failure)	•	•
Comfort	Auto fan speed	•	•	"Reliability & Durability"	Self-diagnosis (digital, LED) display	٠	٠
Control	Indoor unit quiet operation	•	•		Wiring error check function	—	—
	NIGHT QUIET mode (automatic)	—	—		Anti correction tractment of outdoor		
	OUTDOOR UNIT QUIET operation (manual)	•	•		Anti-corrosion treatment of outdoor heat exchanger	•	•
	INTELLIGENT EYE operation	_	_	Flexibility	Multi-split / split type compatible indoor unit	•	•
	Quick warming function (preheating operation)	٠	•	_	H/P, C/O compatible indoor unit	•	•
	Hot-start function	•	•	-	Flexible power supply correspondence	—	—
	Automatic defrosting	•	•	-	Chargeless	10 m	10 m
Operation	Automatic operation	•	•	-	Either side drain (right or left)	—	—
	Program dry operation	•	•		Power selection	—	
	Fan only	•	•	Remote Control	5-room centralized controller (option)	•	•
Lifestyle Convenience	New POWERFUL operation (non-inverter)	_	_	Control	Remote control adaptor (normal open pulse contact) (option)	•	•
	Inverter POWERFUL operation	•	•	-			
	Priority-room setting	-	_		Remote control adaptor (normal open	•	•
	COOL / HEAT mode lock	-	_		contact) (option)		
	HOME LEAVE operation	-	—		DIII-NET compatible (adaptor) (option)	•	•
	ECONO operation	•	•			-	-
	Indoor unit [ON/OFF] button	•	•	Remote	Wireless	•	•
	Signal receiving sign	•	•	Controller	Wired (option)	-	
	R/C with back light	•	•				
	Temperature display	-	_]				

- : No Functions

 ★: Lower limit can be extended by cutting jumper (25/35 class) or turning switch (50 class). (facility use only) Refer to page 146 for detail.

Category	Functions	FVXS25/35FV1B RXS25/35K2V1B, RXS25K3V1B	FVXS50FV1B RXS50K2V1B	Category	Functions	FVXS25/35FV1B RXS25/35K2V1B, RXS25K3V1B	FVXS50FV1B RXS50K2V1B
Basic Function	Inverter (with inverter power control)	•	•	Health & Clean			
Function	Operation limit for cooling (°CDB)	-10 ~46 ★	-10 ~46 ★	Clean	Air-purifying filter	-	—
	Operation limit for heating (°CWB)	−15 ~18	-15 ~18		Photocatalytic deodorizing filter	—	—
	PAM control	•	•		Air-purifying filter with photocatalytic		
	Standby electricity saving	—	—		deodorizing function		
Compressor	Oval scroll compressor	—	_		Titanium apatite photocatalytic air-	•	•
	Swing compressor	•	•		purifying filter	•	•
	Rotary compressor	—	_		Air filter (prefilter)	•	•
	Reluctance DC motor	٠	•		Wipe-clean flat panel	•	•
Comfortable	Power-airflow flap	—	_		Washable grille	—	—
Airflow	Power-airflow dual flaps	—	—		MOLD PROOF operation	—	—
	Power-airflow diffuser	—	—		Good-sleep cooling operation	—	—
	Wide-angle louvers	•	•	Timer	WEEKLY TIMER operation	•	•
	Vertical auto-swing (up and down)	•	٠		24-hour ON/OFF TIMER	•	•
	Horizontal auto-swing (right and left)	—	_		NIGHT SET mode	•	•
	3-D airflow	—	—	Worry Free	Auto-restart (after power failure)	•	•
Comfort	Auto fan speed	•	•	"Reliability & Durability"	Self-diagnosis (digital, LED) display	•	•
Control	Indoor unit quiet operation	•	•		Wiring error check function	—	—
	NIGHT QUIET mode (automatic)	—	—		Anti-corrosion treatment of outdoor		
	OUTDOOR UNIT QUIET operation (manual)	•	•		heat exchanger	•	•
	INTELLIGENT EYE operation	—	—	Flexibility	Multi-split / split type compatible indoor unit	•	•
	Quick warming function (preheating operation)	•	•		H/P, C/O compatible indoor unit	•	•
	Hot-start function	•	•		Flexible power supply correspondence	-	
	Automatic defrosting	•	•		Chargeless	10 m	10 m
Operation	Automatic operation	•	•		Either side drain (right or left)		—
	Program dry operation	•	•		Power selection	—	_
	Fan only	•	•	Remote	5-room centralized controller (option)	•	•
Lifestyle Convenience	New powerful operation (non-inverter)	—	_	Control	Remote control adaptor (normal open pulse contact) (option)	•	•
	Inverter POWERFUL operation	٠	٠]			
	Priority-room setting				Remote control adaptor	-	
	COOL / HEAT mode lock			J	(normal open contact) (option)		
	HOME LEAVE operation	—]	DIII-NET compatible (adaptor) (option)		
	ECONO operation	٠	٠				
	Indoor unit [ON/OFF] button	٠	٠	Remote	Wireless	•	•
	Signal receiving sign	•	•	Controller	Wired (option)	—	—
	R/C with back light	•	٠				
1	Temperature display						1

- : No Functions

★: Lower limit can be extended by cutting jumper. (facility use only) Refer to page 146 for detail.

Part 2 Specifications

1.	Spec	cifications	11
		Cooling Only	
		Heat Pump	

1. Specifications 1.1 Cooling Only

				50 Hz, 220 - 230 - 240 V
Model	Indoor Unit		FVXS25FV1B	FVXS35FV1B
Model	Outdoor Unit		RKS25F2V1B	RKS35F2V1B
		kW	2.5 (1.3 ~ 3.0)	3.5 (1.4 ~ 3.8)
Capacity Rate	ed (Min. ~ Max.)	Btu/h	8,500 (4,400 ~ 10,200)	11,900 (4,800 ~ 13,000)
		kcal/h	2,150 (1,120 ~ 2,580)	3,010 (1,200 ~ 3,270)
Moisture Rem		L/h	1.2	1.9
Running Curr		A	3.5 - 3.3 - 3.2	4.9 - 4.7 - 4.5
Power Consu Rated (Min. ~	mption	W	570 (300 ~ 920)	1,020 (300 ~ 1,250)
Power Factor		%	74.0 - 75.1 - 74.2	94.6 - 94.4 - 94.4
COP (Rated)	1	W/W	4.39	3.43
Pining	Liquid	mm	φ 6.4	φ 6.4
Piping Connections	Gas	mm	φ 9.5	φ 9.5
	Drain	mm	φ 20.0	ф 20.0
Heat Insulatio		_	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
	Piping Length	m	20	20
	Height Difference	m	15	15
Chargeless		m	10	10
Amount of Ad Refrigerant	lditional Charge of	g/m	20	20
Indoor Unit			FVXS25FV1B	FVXS35FV1B
Front Panel C	Color		White	White
	Н		8.2 (290)	8.5 (300)
Airflow Data	М	m³/min	6.5 (229)	6.7 (237)
Airflow Rate	L	(cfm)	4.8 (169)	4.9 (174)
	SL		4.1 (146)	4.5 (158)
	Туре	•	Turbo Fan	Turbo Fan
Fan	Motor Output	W	48	48
	Speed Steps		5 Steps, Quiet, Auto	5 Steps, Quiet, Auto
Air Direction 0	Control		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof
Running Curr	ent	A	0.14 - 0.13 - 0.12	0.14 - 0.13 - 0.12
Power Consu		W	15	15
Power Factor		%	48.7 - 50.2 - 52.1	48.7 - 50.2 - 52.1
Temperature			Microcomputer Control	Microcomputer Control
Dimensions (I		mm	600 × 700 × 210	600 × 700 × 210
	mensions ($H \times W \times D$)	mm	696 × 786 × 286	696 × 786 × 286
Weight		kg	14	14
Gross Weight	•	kg	18	18
Operation				-
Sound	H/M/L/SL	dB(A)	38 / 32 / 26 / 23	39 / 33 / 27 / 24
Sound Power		dB	54	55
Outdoor Unit			RKS25F2V1B	RKS35F2V1B
Casing Color	1-		Ivory White	Ivory White
-	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD	1YC23NXD
	Motor Output	W	600	600
Refrigerant	Туре		FVC50K	FVC50K
Oil	Charge	L	0.375	0.375
Refrigerant	Туре		R-410A	R-410A
0	Charge	kg	1.0	1.0
Airflow Rate	Н	m³/min	33.5 (1,183)	33.5 (1,183)
	L	(cfm)	23.4 (826)	23.4 (826)
Fan	Туре		Propeller	Propeller
	Motor Output	W	23	23
Running Curr		A	3.4 - 3.2 - 3.1	4.8 - 4.6 - 4.4
Power Consu		W	555	1,005
Power Factor		%	74.2 - 75.4 - 74.6	95.1 - 95.0 - 95.1
Starting Curre		A	3.5	4.9
Dimensions (I		mm	550 × 765 × 285	550 × 765 × 285
0	mensions ($H \times W \times D$)	mm	612 × 906 × 364	612 × 906 × 364
Weight		kg	34	34
Gross Weight	1	kg	40	40
Operation Sound	H/L	dB(A)	46 / 43	47 / 44
	1			
	Н	dB	61	62
Sound Power Drawing No.	Н	dB	61 3D056295A	62 3D056296A

Note:

Cooling	Piping Length	
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	7.5 m	

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

			50 HZ, 220 - 230 - 240 V				
Model	Indoor Unit Outdoor Unit		FVXS50FV1B				
			RKS50F2V1B				
		kW	5.0 (1.4 ~ 5.6)				
Capacity Rated (Min. ~ Max.)		Btu/h	17,100 (4,800 ~ 19,100)				
		kcal/h	4,300 (1,200 ~ 4,820)				
Moisture Rem		L/h	2.9				
Running Curre	ent (Rated)	Α	7.2 - 6.8 - 6.6				
Power Consur	mption	W	1,550 (500 ~ 2,000)				
Rated (Min. ~	Max.)						
Power Factor		%	99.2 - 99.1 - 99.4				
COP (Rated)		W/W	3.23				
Distant	Liquid	mm	φ 6.4				
Piping Connections	Gas	mm	φ 12.7				
0011100010113	Drain	mm	φ 20.0				
Heat Insulation	n		Both Liquid and Gas Pipes				
Max. Interunit	Piping Length	m	30				
Max. Interunit	Height Difference	m	20				
Chargeless	•	m	10				
Amount of Ado	ditional Charge of		~				
Refrigerant		g/m	20				
Indoor Unit			FVXS50FV1B				
Front Panel C	olor		White				
	Н		10.7 (378)				
	М	m³/min	9.2 (326)				
Airflow Rate	L	(cfm)	7.8 (274)				
	SL	. ,	6.6 (233)				
	Type		Turbo Fan				
Fan	Motor Output	W	48				
T dif	Speed	Steps	5 Steps, Quiet, Auto				
Air Direction C		Sieps	Right, Left, Horizontal, Downward				
Air Direction C			Removable / Washable / Mildew Proof				
	ant	•	0.18 - 0.17 - 0.16				
Running Curre		A					
Power Consur	mption	W	27				
Power Factor	.	%	68.1 - 69.1 - 70.3				
Temperature (-	Microcomputer Control				
Dimensions (H		mm	600 × 700 × 210				
	nensions (H \times W \times D)	mm	696 × 786 × 286				
Weight		kg	14				
Gross Weight		kg	18				
Operation	H/M/L/SL	dB(A)	44 / 40 / 36 / 32				
Sound							
Sound Power		dB	56				
Outdoor Unit			RKS50F2V1B				
Casing Color			Ivory White				
	Туре		Hermetically Sealed Swing Type				
Compressor	Model		2YC36BXD				
	Motor Output	W	1,100				
Refrigerant	Туре		FVC50K				
Oil	Charge	L	0.65				
Refrigerant	Туре		R-410A				
rieniyeranı	Charge	kg	1.5				
	HH		50.9 (1,797)				
Airflow Rate	Н	m³/min (cfm)	48.9 (1,727)				
	L	(0111)	41.7 (1,472)				
For	Туре		Propeller				
Fan	Motor Output	W	53				
Running Curre		Α	7.02 - 6.64 - 6.44				
Power Consumption		W	1,523				
Power Factor		%	98.6 - 99.7 - 98.5				
Starting Current		A	7.2				
Dimensions $(H \times W \times D)$		mm	735 × 825 × 300				
Packaged Dimensions $(H \times W \times D)$		mm	735 × 825 × 300 797 × 960 × 390				
Weight		kg	48				
Gross Weight		kg	52				
Operation Sound	H/L	dB(A)	47 / 44				
Sound Power	Н	dB	61				
Drawing No.	1.		3D056297				
Drawing No.							

Note:

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

				50 Hz, 220 - 230 - 240 V	
Model	Indoor Unit		FVXS25FV1B	FVXS35FV1B	
model	Outdoor Unit		RKS25G2V1B	RKS35G2V1B	
		kW	2.5 (1.3 ~ 3.0)	3.5 (1.4 ~ 3.8)	
Capacity Rate	d (Min. ~ Max.)	Btu/h	8,500 (4,400 ~ 10,200)	11,900 (4,800 ~ 13,000)	
		kcal/h	2,150 (1,120 ~ 2,580)	3,010 (1,200 ~ 3,270)	
Moisture Rem	oval	L/h	1.2	1.9	
Running Curre	ent (Rated)	A	3.5 - 3.3 - 3.2	4.9 - 4.7 - 4.5	
Power Consur	nption	14/	EZO (200 000)	1 000 (200 1 050)	
Rated (Min. ~	Max.)	W	570 (300 ~ 920)	1,020 (300 ~ 1,250)	
Power Factor		%	74.0 - 75.1 - 74.2	94.6 - 94.4 - 94.4	
COP (Rated)		W/W	4.39	3.43	
	Liquid	mm	φ 6.4	φ 6 .4	
Piping Connections	Gas	mm	φ 9.5	φ 9 .5	
Connections	Drain	mm	¢ 20.0	φ 20.0	
Heat Insulation	1		Both Liguid and Gas Pipes	Both Liquid and Gas Pipes	
Max. Interunit	Piping Length	m	20	20	
	Height Difference	m	15	15	
Chargeless		m	10	10	
U	ditional Charge of				
Refrigerant	and that ye of	g/m	20	20	
Indoor Unit		· ·	FVXS25FV1B	FVXS35FV1B	
Front Panel C	olor		White	White	
	Н		8.2 (290)	8.5 (300)	
	M	m³/min	6.5 (229)	6.7 (237)	
Airflow Rate	L	(cfm)	4.8 (169)	4.9 (174)	
	SL		4.1 (106)	4.5 (158)	
			Turbo Fan	Turbo Fan	
Fan	Type Motor Output	w	48	48	
Fan			-	-	
A: D:	Speed	Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto	
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	
Running Curre		A	0.14 - 0.13 - 0.12	0.14 - 0.13 - 0.12	
Power Consur	nption	W	15 15		
Power Factor		%	48.7 - 50.2 - 52.1 48.7 - 50.2 - 52.1		
Temperature (Control		Microcomputer Control	Microcomputer Control	
Dimensions (H	l × W × D)	mm	$600 \times 700 \times 210$	600 × 700 × 210	
Packaged Dim	ensions ($H \times W \times D$)	mm	696 × 786 × 286	696 × 786 × 286	
Weight		kg	14	14	
Gross Weight		kg	18	18	
Operation	H/M/L/SL		38 / 32 / 26 / 23	39 / 33 / 27 / 24	
Sound		dB(A)	30/32/20/23	39/33/21/24	
Sound Power		dB	54	55	
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	Туре		FVC50K	FVC50K	
Oil	Charge	L	0.375	0.375	
D-fi :	Туре		R-410A	R-410A	
Refrigerant	Charge	kg	1.0	1.2	
	H	m³/min	33.5 (1,183)	36.0 (1,272)	
Airflow Rate	SL	(cfm)	31.4 (1,109)	31.4 (1,109)	
	Type		Propeller	Propeller	
Fan	Motor Output	w	50	50	
Running Current		A	3.4 - 3.2 - 3.1	4.8 - 4.6 - 4.4	
Power Consumption		Ŵ	555	1,005	
Power Factor		%	74.2 - 75.4 - 74.6	95.1 - 95.0 - 95.1	
Starting Current					
		A	3.2 EEO 11 705 11 005	4.4	
		mm	550 × 765 × 285	550 × 765 × 285	
		mm	612 × 906 × 364	612 × 906 × 364	
Weight kg			34	34	
Gross Weight		kg	40	40	
Operation Sound	H/SL	dB(A)	46 / 43	48 / 44	
Sound Power	Н	dB	61	63	
Drawing No.	•	·	3D059858	3D059859	

Note:

■ The data are based on the conditions shown in the table below.

 Cooling
 Piping Length

 Indoor ; 27°CDB / 19°CWB
 5 m

 Outdoor ; 35°CDB / 24°CWB
 5 m

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

			50 HZ, 220 - 230 - 240 V	
Model	Indoor Unit Outdoor Unit		FVXS50FV1B	
model			RKS50G2V1B	
		kW	5.0 (1.4 ~ 5.6)	
Capacity Rated (Min. ~ Max.)		Btu/h	17,100 (4,800 ~ 19,100)	
		kcal/h	4,300 (1,200 ~ 4,820)	
Moisture Removal		L/h	2.9	
Running Curre		A	7.2 - 6.8 - 6.6	
Power Consur				
Rated (Min. ~	Max.)	W	1,550 (500 ~ 2,000)	
Power Factor		%	99.2 - 99.1 - 99.4	
COP (Rated)		W/W	3.23 (2.80 ~ 2.80)	
	Liquid	mm	0.20 (2.00)	
Piping			φ 0.4 φ 12.7	
Connections	Gas	mm		
	Drain	mm	φ 20.0 	
Heat Insulation			Both Liquid and Gas Pipes	
Max. Interunit		m	30	
Max. Interunit	Height Difference	m	20	
Chargeless		m	10	
Amount of Ade	ditional Charge of	a/m	20	
Refrigerant	<u> </u>	g/m		
Indoor Unit			FVXS50FV1B	
Front Panel C	olor		White	
	Н		10.7 (378)	
	M	m³/min	9.2 (325)	
Airflow Rate	L	(cfm)	7.8 (275)	
	SL	(0)	6.6 (233)	
-	Туре		Turbo Fan	
Fan	Motor Output	W	48	
	Speed	Steps	5 Steps, Quiet, Auto	
Air Direction C	Control		Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	
Running Curre	ent	A	0.18 - 0.17 - 0.16	
Power Consur	mption	W	27 - 27 - 27	
Power Factor	· ·	%	68.1 - 69.1 - 70.3	
Temperature (Control	-	Microcomputer Control	
Dimensions (H		mm	600 × 700 × 210	
	nensions ($H \times W \times D$)	mm	696 × 786 × 286	
Weight			14	
		kg		
Gross Weight	1	kg	18	
Operation Sound	H/M/L/SL	dB(A)	44 / 40 / 36 / 32	
Sound Power		dB	56	
		uв		
Outdoor Unit			RKS50G2V1B	
Casing Color			Ivory White	
-	Туре		Hermetically Sealed Swing Type	
Compressor	Model		2YC36BXD	
	Motor Output	W	1,100	
Refrigerant	Туре		FVC50K	
Oil	Charge	L	0.65	
	Туре		R-410A	
Refrigerant	Charge	kg	1.7	
	H	m³/min	50.9 (1,797)	
Airflow Rate	SL	(cfm)	48.9 (1,727)	
		(3111)		
Fan	Type Mater Output	14/	Propeller	
Motor Output		W	53	
Running Current		A	7.02 - 6.64 - 6.44	
Power Consumption		W	1,523 - 1,523 - 1,523	
Power Factor		%	98.6 - 99.7 - 98.5	
Starting Current		А	7.2	
Dimensions (H × W × D) r		mm	735 × 825 × 300	
		mm	797 × 960 × 390	
. ,		kg	47	
Gross Weight		kg	52	
· · ·				
Operation Sound	H/SL	dB(A)	48 / 44	
Sound Power	Н	dB	62	
	1.1	UD		
Drawing No.			3D059860A	

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 5 m

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

				50 Hz, 220 - 230 - 240 V	
Model	Indoor Unit Outdoor Unit		FVXS25FV1B	FVXS35FV1B	
			RKS25G2V1B9	RKS35G2V1B9	
		kW	2.5 (1.3 ~ 3.0)	3.5 (1.4 ~ 3.8)	
Capacity Rated (Min. ~ Max.)		Btu/h	8,500 (4,400 ~ 10,200)	11,900 (4,800 ~ 13,000)	
		kcal/h	2,150 (1,120 ~ 2,580)	3,010 (1,200 ~ 3,270)	
Moisture Rem		L/h	1.2	1.9	
Running Curre		A	3.5 - 3.3 - 3.2	4.9 - 4.7 - 4.5	
Power Consur Rated (Min. ~	nption Max)	w	570 (300 ~ 920)	1,020 (300 ~ 1,250)	
Power Factor	IVICA.)	%	74.0 - 75.1 - 74.2	94.6 - 94.4 - 94.4	
COP (Rated)		W/W	4.39 (4.33 ~ 3.26)	34.6 - 94.4 - 94.4 3.43 (4.67 ~ 3.04)	
	Liquid	mm	4.55 (4.55 ~ 5.25)	\$.45 (4.67 × 5.64) \$\$ 6.4	
Piping	Gas	mm	φ 9.5	φ 0.4 φ 9.5	
Connections	Drain	mm	φ 3.5 φ 20.0	φ 3.5 φ 20.0	
Heat Insulation		111111	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	
Max. Interunit		m	20	20	
	Height Difference	m	15	15	
Chargeless		m	10	10	
	ditional Charge of				
Refrigerant	anona Unarye U	g/m	20	20	
Indoor Unit			FVXS25FV1B	FVXS35FV1B	
Front Panel C	olor		White	White	
	Н		8.2 (290)	8.5 (300)	
A: (1	M	m³/min	6.5 (230)	6.7 (237)	
Airflow Rate	L	(cfm)	4.8 (169)	4.9 (173)	
	SL		4.1 (145)	4.5 (159)	
	Туре		Turbo Fan	Turbo Fan	
Fan	Motor Output	W	48	48	
	Speed	Steps	5 Steps, Quiet, Auto	5 Steps, Quiet, Auto	
Air Direction C			Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	
Running Curre	ent	A	0.14 - 0.13 - 0.12	0.14 - 0.13 - 0.12	
Power Consur		Ŵ	15 - 15 - 15	15 - 15 - 15	
Power Factor		%	48.7 - 50.2 - 52.1 48.7 - 50.2 - 52.1		
Temperature (Control	,-	Microcomputer Control Microcomputer Control		
Dimensions (H		mm	600 × 700 × 210	600 × 700 × 210	
(ensions $(H \times W \times D)$	mm	696 × 786 × 286	696 × 786 × 286	
Weight	(kg	14	14	
Gross Weight		kg	18	18	
Operation			00/00/00	00/00/07/04	
Sound	H/M/L/SL	dB(A)	38 / 32 / 26 / 23	39 / 33 / 27 / 24	
Sound Power		dB	54	55	
Outdoor Unit			RKS25G2V1B9	RKS35G2V1B9	
Casing Color			Ivory White	Ivory White	
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	
Compressor	Model		1YC23AEXD	1YC23AEXD	
	Motor Output	W	600	600	
Refrigerant	Туре	_	FVC50K	FVC50K	
Oil	Charge	L	0.375	0.375	
Refrigerant	Туре		R-410A	R-410A	
· ionigorani	Charge	kg	1.0	1.2	
Airflow Rate	Н	m³/min	33.5 (1,183)	36.0 (1,271)	
, amon ridio	SL	(cfm)	30.1 (1,063)	30.1 (1,063)	
Fan	Туре		Propeller	Propeller	
	Motor Output	W	23	23	
Running Current		A	3.4 - 3.2 - 3.1	4.8 - 4.6 - 4.4	
Power Consumption		W	555 - 555 - 555	1,005 - 1,005 - 1,005	
		%	74.2 - 75.4 - 74.6	95.1 - 95.0 - 95.1	
Starting Current A		A	3.5 4.9		
Dimensions $(H \times W \times D)$ mm		mm	550 × 765 × 285	550 × 765 × 285	
3		mm	612 × 906 × 364	612 × 906 × 364	
Weight kg		kg	34	34	
Gross Weight kg		kg	38	38	
Operation Sound	H/SL	dB(A)	46 / 43	48 / 44	
Sound Power	Н	dB	61	63	
Drawing No.		1	3D065722A	3D065723A	
Drawing No.					

Note:

■ The data are based on the conditions shown in the table below.

 Cooling
 Piping Length

 Indoor ; 27°CDB / 19°CWB
 5 m

 Outdoor ; 35°CDB / 24°CWB
 5 m

Conversion Formulae
$\begin{array}{l} kcal/h = kW \times 860 \\ Btu/h = kW \times 3412 \\ cfm = m^3/min \times 35.3 \end{array}$

1.2 Heat Pump

50 Hz,	220 -	- 230 -	240 V
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	Indoor Unit		FVXS2	25FV1B	FVXS3	5FV1B
Model	Outstan and Units		RXS25	F2V1B	RXS35F2	
	Outdoor Unit	-	Cooling	Heating	Cooling	Heating
		kW	2.5 (1.3 ~ 3.0)	3.4 (1.3 ~ 4.5)	3.5 (1.4 ~ 3.8)	4.5 (1.4 ~ 5.0)
Capacity Rate	d (Min. ~ Max.)	Btu/h	8,500 (4,400 ~ 10,200)	11,600 (4,400 ~ 17,100)	11,900 (4,800 ~ 13,000)	15,400 (4,800 ~ 17,100
	. ,	kcal/h	2,150 (1,120 ~ 2,580)	2,920 (1,120 ~ 4,300)	3,010 (1,200 ~ 3,270)	3,870 (1,200 ~ 4,300)
Moisture Rem	oval	L/h	1.2		1.9	_
Running Curre		A	3.5 - 3.3 - 3.2	4.5 - 4.3 - 4.1	4.9 - 4.7 - 4.5	5.9 - 5.6 - 5.4
Power Consur	1 1					
Rated (Min. ~	Max.)	W	570 (300 ~ 920)	790 (290 ~ 1,390)	1,020 (300 ~ 1,250)	1,220 (310 ~ 1,880)
Power Factor		%	74.0 - 75.1 - 74.2	79.8 - 79.9 - 80.3	94.6 - 94.4 - 94.4	94.0 - 94.7 - 94.1
COP (Rated)		W/W	4.39	4.30	3.43	3.69
	Liquid	mm	φ.	6.4	φ.	5.4
Piping Connections	Gas	mm	φ.	9.5	φ.	9.5
Connections	Drain	mm	φ.	φ 20		20
Heat Insulation	1		Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes
Max. Interunit	Piping Length	m		20		0
	Height Difference	m		5		5
Chargeless	rielgin Enterence	m		0		0
	ditional Charge of			-		B
Refrigerant		g/m	2	20	2	0
Indoor Unit		1	FVXS2	25FV1B	FVXS3	5FV1B
Front Panel C	olor			nite		nite
	H		8.2 (290)	8.8 (311)	8.5 (300)	9.4 (332)
	M	m3/m-1-	6.5 (229)	6.9 (244)	6.7 (237)	7.3 (258)
Airflow Rate	1	m³/min (cfm)	()		- (-)	5.2 (184)
	L 01	(0111)	4.8 (169)	5.0 (178)	4.9 (174)	- (-)
	SL		4.1 (146)	4.4 (155)	4.5 (158)	4.7 (168)
_	Туре			o Fan		o Fan
Fan	Motor Output	W		8	48	
	Speed	Steps		Quiet, Auto	5 Steps, Quiet, Auto	
Air Direction C	Control		Right, Left, Horizontal, Downward			ontal, Downward
Air Filter			Removable / Wash	able / Mildew Proof	Removable / Wash	able / Mildew Proof
Running Curre	ent (Rated)	A	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13
Power Consur	mption (Rated)	W	15	17	15	17
Power Factor		%	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5
Temperature (Control		Microcomp	uter Control	Microcomp	uter Control
Dimensions (H	$1 \times W \times D$	mm	600 × 7	00×210	600 × 7	00 × 210
Packaged Dim	nensions $(H \times W \times D)$	mm	696 × 7	86 × 286	696 × 7	36 × 286
Weight		kg		4		4
Gross Weight		kg		8		8
Operation				-		
Sound	H/M/L/SL	dB(A)	38 / 32 / 26 / 23	38 / 32 / 26 / 23	39 / 33 / 27 / 24	39 / 33 / 27 / 24
Sound Power	1	dB	54	54	55	55
Outdoor Unit			RXS25	F2V1B	RXS35	F2V1B
Casing Color			Ivorv	White	lvorv	White
j	Туре		,	aled Swing Type	,	aled Swing Type
Compressor	Model			3NXD		3NXD
compresser	Motor Output	W		00		00
Defilerenest	Туре			250K	-	50K
Refrigerant Oil		L		375		375
~	Charge					
Refrigerant	Type	1		10A		10A
-	Charge	kg		.0		.0
Airflow Rate	Н	m³/min	33.5 (1,183)	30.2 (1,066)	33.5 (1,183)	30.2 (1,066)
	L	(cfm)	23.4 (826)	28.3 (999)	23.4 (826)	28.3 (999)
Fan	Туре			peller		eller
	Motor Output	W		3		3
Running Curre		A	3.4 - 3.2 - 3.1	4.4 - 4.2 - 4.0	4.8 - 4.6 - 4.4	5.8 - 5.5 - 5.3
	nption (Rated)	W	555	773	1,005	1,203
Power Factor	(Rated)	%	74.2 - 75.4 - 74.6	80.3 - 80.0 - 80.5	95.1 - 95.0 - 95.1	94.3 - 95.1 - 94.6
Starting Curre	nt	Α	4	.5	5	.9
Dimensions (H	$I \times W \times D$	mm	550 × 7	65 × 285	550 × 7	65 × 285
	nensions ($H \times W \times D$)	mm		06 × 364		06 × 364
Weight	. /	kg		34		4
Gross Weight		kg		0		0
0	11/1	-		-		-
Operation	H/L	dB(A)	46 / 43	47 / 44	47 / 44	48 / 45
Operation Sound						
Operation Sound Sound Power	Н	dB	61	62	62	63

Note:

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	7.5 m

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

	Indoor Unit		FVXS5	50 HZ, 220 - 250 - 240 V		
Model				RXS50F2V1B		
Model	Outdoor Unit	-	Cooling	Heating		
		kW	5.0 (1.4 ~ 5.6)	5.8 (1.4 ~ 8.1)		
Capacity Rate	d (Min. ~ Max.)	Btu/h	17,100 (4,800 ~ 19,100)	19,800 (4,800 ~ 27,600)		
eapaony hate		kcal/h	4,300 (1,200 ~ 4,820)	4,990 (1,200 ~ 6,970)		
Moisture Rem	oval	L/h	2.9			
Running Curre		A	7.2 - 6.8 - 6.6	7.3 - 7.0 - 6.7		
Power Consur		-				
Rated (Min. ~		W	1,550 (500 ~ 2,000)	1,600 (500 ~ 2,600)		
Power Factor	,	%	99.2 - 99.1 - 99.4	99.6 - 99.3 - 99.5		
COP (Rated)		W/W	3.23	3.63		
	Liquid	mm	φ6	5.4		
Piping Connections	Gas	mm	φ 1.	2.7		
CONTRECTIONS	Drain	mm	φ2	0.0		
Heat Insulation	n		Both Liquid a	nd Gas Pipes		
Max. Interunit	Piping Length	m	3	0		
Max. Interunit	Height Difference	m	2	0		
Chargeless	<u> </u>	m	1	0		
Amount of Ade	ditional Charge of	a/m	2	0		
Refrigerant	5	g/m				
Indoor Unit			FVXS5			
Front Panel C			Wr			
	Н		10.7 (378)	11.8 (417)		
Airflow Rate	М	m³/min	9.2 (326)	10.1 (358)		
	L	(cfm)	7.8 (274)	8.5 (300)		
	SL		6.6 (233)	7.1 (250)		
	Туре		Turbo	o Fan		
Fan	Motor Output	W	4	8		
	Speed	Steps	5 Steps, C	Quiet, Auto		
Air Direction Control			Right, Left, Horiz	ontal, Downward		
Air Filter			Removable / Wash			
Running Curre	ent	Α	0.18 - 0.17 - 0.16	0.20 - 0.19 - 0.18		
Power Consur		W	27	34		
Power Factor		%	68.1 - 69.1 - 70.3	77.3 - 77.8 - 78.7		
Temperature (Control		Microcomp			
Dimensions (H		mm	600 × 70			
	nensions ($H \times W \times D$)	mm	696 × 78			
Weight		kg		4		
Gross Weight		kg		8		
Operation		-				
Sound	H/M/L/SL	dB(A)	44 / 40 / 36 / 32	45 / 40 / 36 / 32		
Sound Power		dB	56	57		
Outdoor Unit			RXS50	F2V1B		
Casing Color			lvory	White		
	Туре		Hermetically Sea	aled Swing Type		
Compressor	Model		2YC3	6BXD		
	Motor Output	W	1,1	00		
Refrigerant	Туре		FVC	50K		
Oil	Charge	L	0.	65		
Defriers	Туре		R-4	10A		
Refrigerant	Charge	kg		.5		
	HH		50.9 (1,797)			
Airflow Rate	Н	m³/min	48.9 (1,727)	45.0 (1,589)		
	L	(cfm)	41.7(1,472)	45.0 (1,589)		
	Type			40.0 (1,509) peller		
Fan	Motor Output	W	5			
Running Curre		A	7.02 - 6.64 - 6.44	7.14 - 6.83 - 6.54		
Power Consur		Ŵ	1,523	1,566		
Power Factor		%	98.6 - 99.7 - 98.5	99.7 - 99.8		
Starting Curre	nt	A		33.7 - 33.7 - 33.0		
Dimensions (F		mm	735 × 82			
		mm	735×82 797×96			
		1 11011				
Packaged Dim	nensions (H × W × D)		4			
Packaged Din Weight	· · · · ·	kg	4			
Packaged Din Weight Gross Weight	1	kg kg		o 3		
Packaged Din Weight Gross Weight Operation Sound	H/L	kg kg dB(A)	5 47 / 44	3 48 / 45		
Packaged Dim Weight Gross Weight Operation	H/L	kg kg	5	3 48 / 45 62		

Note:

1	Cooling	Heating	Piping Length
	Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	7.5 m

Conversion Form	ulae
kcal/h = kW × 8 Btu/h = kW × 34 cfm = m³/min × 3	12

Model	Indoor Unit		FVXS2	5FV1B	FVXS3	5FV1B	
MODEL	lodel BXS25G2V1B						
	Outdoor Unit	-	Cooling	Heating	Cooling	Heating	
		kW	2.5 (1.3 ~ 3.0)	3.4 (1.3 ~ 4.5)	3.5 (1.4 ~ 3.8)	4.5 (1.4 ~ 5.0)	
Capacity Rater	d (Min. ~ Max.)	Btu/h	8,500 (4,400 ~ 10,200)	11,600 (4,400 ~ 17,100)	11,900 (4,800 ~ 13,000)	15,400 (4,800 ~ 17,10	
	- ()	kcal/h	2.150 (1.120 ~ 2.580)	2,920 (1,120 ~ 4,300)	3,010 (1,200 ~ 3,270)	3,870 (1,200 ~ 4,300)	
Noisture Remo	oval	L/h	1.2		1.9		
Running Curre		A	3.5 - 3.3 - 3.2	4.5 - 4.3 - 4.1	4.9 - 4.7 - 4.5	5.9 - 5.6 - 5.4	
Power Consun		1 1					
Rated (Min. ~ I		W	570 (300 ~ 920)	790 (290 ~ 1,390)	1,020 (300 ~ 1,250)	1,220 (310 ~ 1,880)	
Power Factor	1	%	74.0 - 75.1 - 74.2	79.8 - 79.9 - 80.3	94.6 - 94.4 - 94.4	94.0 - 94.7 - 94.1	
COP (Rated)		W/W	4.39	4.30	3.43	3.69	
	Liquid	mm		6.4		6.4	
iping	Gas	mm		9.5		9.5	
Connections	Drain	mm		20		20	
leat Insulation				nd Gas Pipes		nd Gas Pipes	
	Piping Length			10 das ripes	2		
		m		-		-	
	Height Difference	m		5		5	
Chargeless		m	1	0	1	0	
Amount of Add Refrigerant	litional Charge of	g/m	2	0	2	0	
ndoor Unit		1		5FV1B		5FV1B	
ront Panel Co	alor			nite		nite	
TUTIL Panel Co		-					
I	Н	4	8.2 (290)	8.8 (311)	8.5 (300)	9.4 (332)	
Airflow Rate	M	m³/min	6.5 (229)	6.9 (244)	6.7 (237)	7.3 (258)	
	L	(cfm)	4.8 (169)	5.0 (178)	4.9 (174)	5.2 (184)	
	SL		4.1 (146)	4.4 (155)	4.5 (158)	4.7 (168)	
	Туре			o Fan	Turbo Fan 48		
an	Motor Output	W	4	8			
	Speed	Steps	5 Steps, C	Quiet, Auto	5 Steps, C	Quiet, Auto	
ir Direction C	ontrol		Right, Left, Horiz	ontal, Downward	Right, Left, Horiz	, Left, Horizontal, Downward	
r Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof		
Running Curre	ent (Rated)	Α	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13	
0	nption (Rated)	W	15	17	15	17	
Power Factor		%	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5	
emperature C	Control	70	Microcomp		Microcomp		
Dimensions (H		mm		00 × 210		00 × 210	
	ensions (H \times W \times D)			36 × 286		36 × 286	
0		mm					
Majadat		kg	1	4		4	
Neight		-				0	
Gross Weight		kg	1	8	1	8	
Bross Weight	H/M/L/SL	-	1 38 / 32 / 26 / 23	8 38 / 32 / 26 / 23	1 39 / 33 / 27 / 24	8 39 / 33 / 27 / 24	
aross Weight Operation Jound	H/M/L/SL	kg dB(A)	38 / 32 / 26 / 23	38 / 32 / 26 / 23	39 / 33 / 27 / 24	39 / 33 / 27 / 24	
Bross Weight Operation Sound Sound Power	H/M/L/SL	kg	38 / 32 / 26 / 23 54	38 / 32 / 26 / 23 54	39 / 33 / 27 / 24 55	39 / 33 / 27 / 24 55	
Aross Weight Operation Sound Sound Power Outdoor Unit	H/M/L/SL	kg dB(A)	38 / 32 / 26 / 23 54 RXS25	38 / 32 / 26 / 23 54 G2V1B	39 / 33 / 27 / 24 55 RXS35	39 / 33 / 27 / 24 55 G2V1B	
Aross Weight Operation Sound Sound Power Outdoor Unit		kg dB(A)	38 / 32 / 26 / 23 54 RXS25 Ivory	38 / 32 / 26 / 23 54 G2V1B White	39 / 33 / 27 / 24 55 RXS35 Ivory	39 / 33 / 27 / 24 55 G2V1B White	
Aross Weight Operation Sound Sound Power Dutdoor Unit Casing Color	Туре	kg dB(A)	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type	
Aross Weight Operation Sound Sound Power Dutdoor Unit Casing Color	Type Model	kg dB(A) dB	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type BAFXD	
Aross Weight Operation Sound Sound Power Dutdoor Unit Casing Color Compressor	Type Model Motor Output	kg dB(A)	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sec 1YC23 6(39 / 33 / 27 / 24 55 G2V1B White aled Swing Type BAFXD 00	
Aross Weight Deration Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant	Type Model Motor Output Type	kg dB(A) dB	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 60 FVC	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 30 350K	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sec 1YC23 60 FVC	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 50 50K	
Aross Weight Deration Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant	Type Model Motor Output Type Charge	kg dB(A) dB	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 6 6 FVC 0.3	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 30 50K 375	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 60 FVC 0.3	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 30 250K 375	
Aross Weight Deperation Sound Power Dutdoor Unit Casing Color Compressor Refrigerant	Type Model Motor Output Type Charge Type	kg dB(A) dB W	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 30 250K 375 10A	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 20 250K 375 10A	
Aross Weight Deperation Sound Power Dutdoor Unit Casing Color Compressor Refrigerant	Type Model Motor Output Type Charge Type Charge	kg dB(A) dB	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .0	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .2	
Aross Weight Deration Sound Power Dutdoor Unit Casing Color Compressor Compressor Refrigerant Dil Refrigerant	Type Model Motor Output Type Charge Type Charge H	kg dB(A) dB W L kg m³/min	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .0 30.2 (1,066)	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .2 30.2 (1,066)	
Aross Weight Deration Jound Power Dutdoor Unit Sasing Color Compressor Compressor Refrigerant Marken Strategy Strategy Strategy Strategy Compressor	Type Model Motor Output Type Charge Type Charge	kg dB(A) dB W L kg	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .0	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .2	
Aross Weight Deration Sound Nound Power Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Liflow Rate	Type Model Motor Output Type Charge Type Charge H	kg dB(A) dB W L kg m³/min	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109)	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .0 30.2 (1,066)	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,272) 31.4 (1,109)	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .2 30.2 (1,066)	
Aross Weight Deration Sound Nound Power Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Liflow Rate	Type Model Motor Output Type Charge Type Charge H SL	kg dB(A) dB W L kg m³/min	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .0 30.2 (1,066) 22.6 (798)	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 36.0 (1,272) 31.4 (1,109) Prop	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .2 30.2 (1,066) 22.6 (798)	
Aross Weight Deration Jound Power Dutdoor Unit asing Color Compressor tefrigerant Mil tefrigerant tefrigerant	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output	kg dB(A) dB W L kg (cfm)	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 500 500K 375 10A .0 30.2 (1,066) 22.6 (798) weller	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 36.0 (1,272) 31.4 (1,109) Prop	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 500 50K 375 10A .2 30.2 (1,066) 22.6 (798) weller	
Aross Weight Deration Jound Power Dutdoor Unit asing Color Compressor Arong Power Compressor Arong Power Arong Arong Power Arong Arong Aro	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output	kg dB(A) dB W L kg m³/min (cfm) W	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop 5	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 50K 375 10A .0 30.2 (1,066) 22.6 (798) weller 0	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,272) 31.4 (1,109) Prop 5	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type BAFXD 50K 550K 575 10A .2 30.2 (1,066) 22.6 (798) weller 0	
Aross Weight Deration Jound Power Dutdoor Unit Assing Color Compressor Aefrigerant Jil Aefrigerant Aunning Curre Rower Consum	Type Model Motor Output Type Charge Type Charge H SL SL Type Motor Output nt (Rated) mption (Rated)	kg dB(A) dB W L kg m³/min (cfm) V V A W	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC2 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) 55 3.4 - 3.2 - 3.1 555	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 300 50K 375 10A .0 30.2 (1,066) 22.6 (798) beller 0 4.4 - 4.2 - 4.0	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sec 1YC2 60 FVC 0.3 R-4 1 36.0 (1,272) 31.4 (1,109) Prop 5 4.8 - 4.6 - 4.4 1,005	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .2 30.2 (1,066) 22.6 (798) veiller 0 5.8 - 5.5 - 5.3 1,203	
Aross Weight Deration Jound Jound Power Dutdoor Unit Assing Color Compressor Aefrigerant Jil Aefrigerant Aunning Curre Running Curre Dower Consun Power Factor (Type Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated)	kg dB(A) dB W L kg m³/min (cfm) W A W A W	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) 55 3.4 - 3.2 - 3.1 555 74.2 - 75.4 - 74.6	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 30 550K 375 10A .0 30.2 (1,066) 22.6 (798) weller 0 4.4 - 4.2 - 4.0 773 80.3 - 80.0 - 80.5	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC22 6 6 FVC 0.3 R-4 1. 36.0 (1,272) 31.4 (1,109) 5 4.8 - 4.6 - 4.4 1,005 95.1 - 95.0 - 95.1	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 300 550K 375 10A .2 30.2 (1,066) 22.6 (798) weller 0 5.8 - 5.5 - 5.3 1,203 94.3 - 95.1 - 94.6	
Aross Weight Deration Sound Power Jutdoor Unit Casing Color Compressor Comp	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) nption (Rated) Rated) nt	kg dB(A) dB W U L kg m³/min (cfm) (cfm) W A W A W A A	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop 5 3.4 - 3.2 - 3.1 555 74.2 - 75.4 - 74.6 4	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 250K 375 10A .0 30.2 (1,066) 22.6 (798) weller 0 4.4 - 4.2 - 4.0 773 80.3 - 80.0 - 80.5 .3	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1. 36.0 (1,272) 31.4 (1,109) Prop 5 4.8 - 4.6 - 4.4 1,005 95.1 - 95.0 - 95.1 4	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 30 250K 375 10A .2 30.2 (1,066) 22.6 (798) weller 0 5.8 - 5.5 - 5.3 1,203 94.3 - 95.1 - 94.6	
Aross Weight Deparation Sound Power Jutdoor Unit Casing Color Compressor Co	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) Rated) Rated) t X W X D)	kg dB(A) dB W L kg m³/min (cfm) W A W A W A M W	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop 5 3.4 - 3.2 - 3.1 555 74.2 - 75.4 - 74.6 4 550 × 76	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 250K 375 10A .0 30.2 (1,066) 22.6 (798) veller 0 4.4 - 4.2 - 4.0 773 80.3 - 80.0 - 80.5 .3 35 × 285	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1 36.0 (1,272) 31.4 (1,109) Prop 5 4.8 - 4.6 - 4.4 1,005 95.1 - 95.0 - 95.1 4 550 × 76	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 30 550K 375 10A .2 30.2 (1,066) 22.6 (798) weller 0 5.8 - 5.5 - 5.3 1,203 94.3 - 95.1 - 94.6 .8 35 × 285	
Aross Weight Deperation Sound Power Dutdoor Unit Asing Color Compressor Compressor Aefrigerant Dil Aefrigerant Airflow Rate Fan Cower Consum Cower Factor (Starting Currer Dimensions (H Packaged Dim	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) nption (Rated) Rated) nt	kg dB(A) dB W L kg m³/min (cfm) W A W A A W W A A M W S A A mm	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop 5 3.4 - 3.2 - 3.1 555 74.2 - 75.4 - 74.6 4 550 × 76 612 × 90	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 50 375 10A .0 30.2 (1,066) 22.6 (798) beller 0 4.4 - 4.2 - 4.0 773 80.3 - 80.0 - 80.5 .3 35 × 285 56 × 364	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 36.0 (1,272) 31.4 (1,109) Prop 5 4.8 - 4.6 - 4.4 1,005 95.1 - 95.0 - 95.1 4 550 × 76 612 × 90	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 50K 375 10A .2 30.2 (1,066) 22.6 (798) 00 5.8 - 5.5 - 5.3 1,203 94.3 - 95.1 - 94.6 .8 35 × 285 06 × 364	
Coross Weight Deperation Sound Power Dutdoor Unit Casing Color Compressor Com	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) Rated) Rated) t X W X D)	kg dB(A) dB W L kg m³/min (cfm) W A A W W A A M W Kg	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop 5 3.4 - 3.2 - 3.1 555 74.2 - 75.4 - 74.6 4 550 × 74 612 × 90 3	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .0 30.2 (1,066) 22.6 (798) weller .0 .3 .55 × 285 .3	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically See 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,272) 31.4 (1,109) Prop 5 4.8 - 4.6 - 4.4 1,005 95.1 - 95.0 - 95.1 4 550 × 77 612 × 90 3	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 550K 775 10A .2 30.2 (1,066) 22.6 (798) weller 0 5.8 - 5.5 - 5.3 1,203 94.3 - 95.1 - 94.6 .8 55 × 285 06 × 364 4	
Constant Series C	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) Rated) Rated H X W X D)	kg dB(A) dB W L kg m³/min (cfm) W A W A A W W A A M W S A A mm	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop 5 3.4 - 3.2 - 3.1 555 74.2 - 75.4 - 74.6 4 550 × 74 612 × 90 3	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 50 375 10A .0 30.2 (1,066) 22.6 (798) beller 0 4.4 - 4.2 - 4.0 773 80.3 - 80.0 - 80.5 .3 35 × 285 56 × 364	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically See 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,272) 31.4 (1,109) Prop 5 4.8 - 4.6 - 4.4 1,005 95.1 - 95.0 - 95.1 4 550 × 77 612 × 90 3	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 50K 375 10A .2 30.2 (1,066) 22.6 (798) 00 5.8 - 5.5 - 5.3 1,203 94.3 - 95.1 - 94.6 .8 35 × 285 06 × 364	
Aross Weight Deperation Sound Power Dutdoor Unit Casing Color Compressor Compressor Aefrigerant Virflow Rate Fan Consum Ower Consum Ower Consum Ower Factor (Starting Currer Dimensions (H Packaged Dim Neight Diross Weight Diperation Sound	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) Rated) Rated H X W X D)	kg dB(A) dB W L kg m³/min (cfm) W A A W W A A M W Kg	38 / 32 / 26 / 23 54 RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 31.4 (1,109) Prop 5 3.4 - 3.2 - 3.1 555 74.2 - 75.4 - 74.6 4 550 × 74 612 × 90 3	38 / 32 / 26 / 23 54 G2V1B White aled Swing Type 3AFXD 00 550K 375 10A .0 30.2 (1,066) 22.6 (798) weller .0 .3 .55 × 285 .3	39 / 33 / 27 / 24 55 RXS35 Ivory Hermetically See 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,272) 31.4 (1,109) Prop 5 4.8 - 4.6 - 4.4 1,005 95.1 - 95.0 - 95.1 4 550 × 77 612 × 90 3	39 / 33 / 27 / 24 55 G2V1B White aled Swing Type 3AFXD 00 50K 775 10A .2 30.2 (1,066) 22.6 (798) weller 0 5.8 - 5.5 - 5.3 1,203 94.3 - 95.1 - 94.6 .8 55 × 285 56 × 364 4	

Note:

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5.0 m

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

	Indoor Unit		FVXS	50 HZ, 220 - 250 - 240	
Model			RXS50G2V1B		
	Outdoor Unit		Cooling	Heating	
	•	kW	5.0 (1.4 ~ 5.6)	5.8 (1.4 ~ 8.1)	
Capacity Rate	ed (Min. ~ Max.)	Btu/h	17,100 (4,800 ~ 19,100)	19,800 (4,800 ~ 27,600)	
		kcal/h	4,300 (1,200 ~ 4,820)	4,990 (1,200 ~ 6,970)	
Moisture Rem		L/h	2.9	—	
Running Curre		A	7.2 - 6.8 - 6.6	7.3 - 7.0 - 6.7	
Power Consur (Min. ~ Max.)	mption Rated	w	1,550 (500 ~ 2,000)	1,600 (500 ~ 2,600)	
Power Factor		%	99.2 - 99.1 - 99.4	99.6 - 99.3 - 99.5	
COP (Rated)		W/W	3.23 (2.80 ~ 2.80)	3.63 (2.80 ~ 3.12)	
, ,	Liquid	mm	,	↓ 6.4	
Piping Connections	Gas	mm		12.7	
Connections	Drain	mm		20.0	
Heat Insulation	n		Both Liquid	and Gas Pipes	
Max. Interunit	Piping Length	m	· · · ·	30	
Max. Interunit	Height Difference	m		20	
Chargeless		m		10	
Amount of Ad	lditional Charge of	g/m		20	
Refrigerant					
Indoor Unit Front Panel C	201or			S50FV1B White	
TTOTIL Partiel G	H		10.7 (378)	11.8 (417)	
	M		9.2 (325)	10.1 (357)	
Airflow Rate	L		9.2 (325) 7.8 (275)	8.5 (300)	
	SL		6.6 (233)	7.1 (251)	
	Туре			bo Fan	
Fan	Motor Output	W		48	
	Speed	Steps	5 Steps.	Quiet, Auto	
Air Direction C		otopo		rizontal, Downward	
Air Filter			Removable / Was	shable / Mildew Proof	
Running Curre	ent	A	0.18 - 0.17 - 0.16	0.20 - 0.19 - 0.18	
Power Consur		W	27 - 27 - 27	34 - 34 - 34	
Power Factor	•	%	68.1 - 69.1 - 70.3	77.3 - 77.8 - 78.7	
Temperature (Control		Microcom	puter Control	
Dimensions ($H \times W \times D$) mm		mm	600 ×	700 × 210	
Packaged Dim	mensions ($H \times W \times D$)	mm	696 ×	786 × 286	
Weight		kg		14	
Gross Weight		kg		18	
Operation	H/M/L/SL	dB(A)	44 / 40 / 36 / 32	45 / 40 / 36 / 32	
Sound Sound Power		dB	56	57	
Outdoor Unit		uв		50G2V1B	
Casing Color				y White	
Casing Color	Туре			Sealed Swing Type	
Compressor	Model			C36BXD	
	Motor Output	W		1,100	
				,	
Refrigerant	Туре			/C50K	
Refrigerant Oil	· · · · · · · · · · · · · · · · · · ·	L		0.65	
Oil	Туре				
Oil	Type Charge	L kg	R	0.65	
Oil Refrigerant	Type Charge Type Charge H	kg m³/min	R 50.9 (1,797)	0.65 -410A 1.7 45.0 (1,589)	
Oil Refrigerant	Type Charge Type Charge H SL	kg	R 50.9 (1,797) 48.9 (1,727)	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522)	
Oil Refrigerant	Type Charge Type Charge H SL Type	kg m³/min (cfm)	R 50.9 (1,797) 48.9 (1,727)	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller	
Oil ⁻ Refrigerant Airflow Rate Fan	Type Charge Type Charge H SL Type Motor Output	kg m³/min (cfm) W	R 50.9 (1,797) 48.9 (1,727) Pr	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53	
Oil ⁻ Refrigerant Airflow Rate Fan Running Curre	Type Charge Type Charge H SL Type Motor Output ent	kg m³/min (cfm) W A	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54	
Oil Citragerant Airflow Rate Fan Running Curre Power Consur	Type Charge Type Charge H SL Type Motor Output ent mption	kg m³/min (cfm) W A W W	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 - 1,523	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566	
Oil Ciffigerant Airflow Rate Fan Running Curre Power Consur Power Factor	Type Charge Type Charge H SL Type Motor Output ent mption	kg m³/min (cfm) W A W A W %	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.7 - 99.8	
Oil Citeration Control	Type Charge Type Charge H SL Type Motor Output ent mption	kg m³/min (cfm) W A W A W A W A W	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.7 - 98.5	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.7 - 99.8 7.3	
Oil Citeration Content Airflow Rate Fan Running Curre Power Consur Power Factor Starting Curre Dimensions (H	Type Charge Type Charge H SL Type Motor Output ent mption ent H W × D)	kg m³/min (cfm) W A W A W A mm	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.7 - 98.5 735 ×	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.7 - 99.8 7.3 825 × 300	
Oil Citeration Control	Type Charge Type Charge H SL Type Motor Output ent mption	kg m³/min (cfm) W A W % A mm mm	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.7 - 98.5 735 ×	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.8 7.3 825 × 300 960 × 390	
Oil - Refrigerant Airflow Rate Fan Running Curre Power Consur Power Consur Power Factor Starting Curre Dimensions (H Packaged Dim Weight	Type Charge Type Charge H SL Type Motor Output ent mption ent H H Output ent H Motor Output ent H H Motor Output ent H H H H Motor Output ent H H H H H H Motor Output Ent Motor Output Ent H H H H H H H H Motor Output Ent Motor Output Ent <t< td=""><td>kg m³/min (cfm) W A W A % A mm mm kg</td><td>R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.7 - 98.5 735 ×</td><td>0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.7 - 99.8 7.3 825 × 300 960 × 390 48</td></t<>	kg m³/min (cfm) W A W A % A mm mm kg	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.7 - 98.5 735 ×	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.7 - 99.8 7.3 825 × 300 960 × 390 48	
Oil Citeration Control	Type Charge Type Charge H SL Type Motor Output ent mption H VX <d)< td=""> nensions (H × W × D)</d)<>	kg m³/min (cfm) W A W A W % A mm mm kg kg	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 98.6 - 99.7 - 98.5 735 × 797 ×	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.7 - 99.8 7.3 825 × 300 960 × 390 48 53	
Airflow Rate Fan Running Curre Power Consur Power Factor Starting Curre Dimensions (H Packaged Din	Type Charge Type Charge H SL Type Motor Output ent mption ent H × W × D) nensions (H × W × D) H / SL	kg m³/min (cfm) W A W A % A mm mm kg	R 50.9 (1,797) 48.9 (1,727) Pr 7.02 - 6.64 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.7 - 98.5 735 ×	0.65 -410A 1.7 45.0 (1,589) 43.1 (1,522) opeller 53 7.14 - 6.83 - 6.54 1,566 - 1,566 99.7 - 99.7 - 99.8 7.3 825 × 300 960 × 390 48	

Note:

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m

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

	Indoor Unit		EV/YS2	5FV1B	EV/VG2	5FV1B
Model				G2V1B9		G2V1B9
model	Outdoor Unit	·	Cooling	Heating	Cooling	Heating
		kW	2.5 (1.3 ~ 3.0)	3.4 (1.3 ~ 4.5)	3.5 (1.4 ~ 3.8)	4.5 (1.4 ~ 5.0)
Capacity Rate	d (Min. ~ Max.)	Btu/h	8,500 (4,400 ~ 10,200)	11,600 (4,400 ~ 17,100)	11,900 (4,800 ~ 13,000)	15,400 (4,800 ~ 17,100
	- ()	kcal/h	2,150 (1,120 ~ 2,580)	2,920 (1,120 ~ 4,300)	3,010 (1,200 ~ 3,270)	3.870 (1.200 ~ 4.300)
Moisture Remo	oval	L/h	1.2		1.9	
Running Curre	ent (Rated)	A	3.5 - 3.3 - 3.2	4.5 - 4.3 - 4.1	4.9 - 4.7 - 4.5	5.9 - 5.6 - 5.4
Power Consun		w		700 (000 1 000)		
Rated (Min. ~ I	Max.)	vv	570 (300 ~ 920)	790 (290 ~ 1,390)	1,020 (300 ~ 1,250)	1,220 (310 ~ 1,880)
Power Factor		%	74.0 - 75.1 - 74.2	79.8 - 79.9 - 80.3	94.6 - 94.4 - 94.4	94.0 - 94.7 - 94.1
COP (Rated)		W/W	4.39 (4.33 ~ 3.26)	4.30 (4.48 ~ 3.24)	3.43 (4.67 ~ 3.04)	3.69 (4.52 ~ 2.66)
D: :	Liquid	mm	φ 6	6.4	φ 6	6.4
Piping Connections	Gas	mm	φ 9.5		φ 9.5	
Connections	Drain	mm	φ.	20	φ.	20
Heat Insulation	ו		Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes
Max. Interunit I	Piping Length	m	2	0	2	0
Max. Interunit I	Height Difference	m	1	5	1	5
Chargeless		m	1	0	1	0
	litional Charge of	a/m	2	0	2	0
Refrigerant		9/11				
Indoor Unit	-len		FVXS2		FVXS3	
Front Panel Co			Wt			
ļ	Н	4	8.2 (290)	8.8 (311)	8.5 (300)	9.4 (332)
Airflow Rate	M	m³/min	6.5 (230)	6.9 (244)	6.7 (237)	7.3 (258)
	L	(cfm)	4.8 (169)	5.0 (177)	4.9 (173)	5.2 (184)
	SL		4.1 (145)	4.4 (155)	4.5 (159)	4.7 (166)
	Туре			o Fan		o Fan
Fan	Motor Output	W	4	-		8
	Speed	Steps		Quiet, Auto		Quiet, Auto
Air Direction C	ontrol		3, -, -	ontal, Downward	Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Curre	nt (Rated)	А	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13
Power Consun	nption (Rated)	W	15 - 15 - 15	17 - 17 - 17	15 - 15 - 15	17 - 17 - 17
Power Factor		%	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5
Temperature C	Control		Microcomp	uter Control	Microcomp	uter Control
Dimensions (H	$I \times W \times D$)	mm	600 × 70	00 × 210	600 × 70	00 × 210
Packaged Dim	ensions ($H \times W \times D$)	mm	696 × 786 × 286		696 × 78	36 × 286
Weight		kg	14		1	4
••• •••				8	1	8
Gross Weight		kg	I	-		•
Operation	H/M/L/SI				-	-
Operation Sound	H/M/L/SL	dB(A)	38 / 32 / 26 / 23	38 / 32 / 26 / 23	39 / 33 / 27 / 24	39 / 33 / 27 / 24
Operation Sound Sound Power	H/M/L/SL		38 / 32 / 26 / 23 54	38 / 32 / 26 / 23 54	39 / 33 / 27 / 24 55	39 / 33 / 27 / 24 55
Operation Sound Sound Power Outdoor Unit	H/M/L/SL	dB(A)	38 / 32 / 26 / 23 54 RXS25 0	38 / 32 / 26 / 23 54 32V1B9	39 / 33 / 27 / 24 55 RXS35 0	39 / 33 / 27 / 24 55 G2V1B9
Operation Sound Sound Power Outdoor Unit		dB(A)	38 / 32 / 26 / 23 54 RXS250 Ivory	38 / 32 / 26 / 23 54 G2V1B9 White	39 / 33 / 27 / 24 55 RXS350 Ivory	39 / 33 / 27 / 24 55 G2V1B9 White
Operation Sound Sound Power Outdoor Unit Casing Color	Туре	dB(A)	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea	38 / 32 / 26 / 23 54 G2V1B9 White aled Swing Type	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea	39 / 33 / 27 / 24 55 G2V1B9 White aled Swing Type
Operation Sound Sound Power Outdoor Unit Casing Color	Type Model	dB(A) dB	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type BAEXD	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type BAEXD
Operation Sound Sound Power Outdoor Unit Casing Color Compressor	Type Model Motor Output	dB(A)	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60	38 / 32 / 26 / 23 54 G2V1B9 White aled Swing Type BAEXD 00	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sec 1YC23 60	39 / 33 / 27 / 24 55 G2V1B9 White aled Swing Type BAEXD 00
Operation Sound Sound Power Outdoor Unit Casing Color Compressor Refrigerant	Type Model Motor Output Type	dB(A) dB	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 60 FVC	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type AAEXD 00 250K	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 60 FVC	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 30 350K
Operation Sound Sound Power Outdoor Unit Casing Color Compressor Refrigerant	Type Model Motor Output Type Charge	dB(A) dB	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 60 FVC 0.3	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type AAEXD 30 250K 375	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 60 FVC 0.3	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 30 550K 375
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil	Type Model Motor Output Type Charge Type	dB(A) dB W	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 20 250K 375 10A	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 20 550K 375 10A
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil	Type Model Motor Output Type Charge Type Charge	dB(A) dB W L kg	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 00 550K 375 10A .0	39 / 33 / 27 / 24 55 RXS350 lvory Hermetically Sea 1YC25 60 FVC 0.0.3 R-4	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 00 550K 375 10A .2
Operation Sound Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant	Type Model Motor Output Type Charge Type Charge H	dB(A) dB W U L kg m³/min	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC25 60 FVC 0.0.3 R-4 1 33.5 (1,183)	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 00 550K 375 10A .0 28.3 (999)	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC25 60 FVC 0.0.3 R-4 1. 36.0 (1,271)	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type BAEXD 00 550K 375 10A .2 28.3 (999)
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant	Type Model Motor Output Type Charge Type Charge H SL	dB(A) dB W L kg	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063)	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 00 550K 375 10A .0 28.3 (999) 25.6 (904)	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063)	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 500 550K 375 10A .2 28.3 (999) 25.6 (904)
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate	Type Model Motor Output Type Charge Type Charge H SL Type	dB(A) dB W L kg m³/min (cfm)	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 500 500K 375 10A .0 28.3 (999) 25.6 (904) weller	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop	39 / 33 / 27 / 24 55 G2V1B9 White aled Swing Type BAEXD 00 50K 375 10A .2 28.3 (999) 25.6 (904) weller
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output	dB(A) dB W L m³/min (cfm) W	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2	38 / 32 / 26 / 23 54 G2V1B9 White aled Swing Type BAEXD 00 550K 775 10A .0 28.3 (999) 25.6 (904) beller 3	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 00 550K 375 10A .2 28.3 (999) 25.6 (904) beller 3
Operation Sound Power Dutdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre	Type Model Motor Output Type Charge Type Charge H SL Type SL Type Motor Output ent (Rated)	dB(A) dB W L m³/min (cfm) W	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC2 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 50 50 50 50 50 50 50 50 50 50 50 50 50	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sec 1YC2 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type AAEXD 00 50K 375 10A .2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) mption (Rated)	dB(A) dB W L m³/min (cfm) W W W W	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC22 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 - 555	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type AAEXD 00 50K 375 10A .0 28.3 (999) 25.6 (904) seller 3 4.4 - 4.2 - 4.0 773 - 773 - 773	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 - 1,005	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type AAEXD 00 550K 375 10A .2 28.3 (999) 25.6 (904) weller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor (Type Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated)	dB(A) dB W L m³/min (cfm) W W W W W	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 - 555 74.2 - 75.4 - 74.6	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type AAEXD 00 550K 375 10A .0 28.3 (999) 25.6 (904) veller 3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 - 1,005 95.1 - 95.0 - 95.1	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type AAEXD 00 550K 375 10A .2 28.3 (999) 25.6 (904) weller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6
Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor (Starting Currer	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) Rated) nt	dB(A) dB W L m³/min (cfm) W W W A W A N A A A	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 - 555 74.2 - 75.4 - 74.6 4	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 300 250K 375 10A .0 25.6 (904) seller .3 4.4 - 4.2 - 4.0 773 - 773 80.3 - 80.0 - 80.5 .5	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1 5	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 00 550K 375 10A .2 28.3 (999) 25.6 (904) weller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6
Operation Sound Power Outdoor Unit Casing Color Compressor Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consum Power Consum Power Consum	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) (Rated) Rated) t X W × D)	dB(A) dB W L m³/min (cfm) W W A W A mm	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 00 250K 375 10A .0 28.3 (999) 25.6 (904) veller .3 4.4 - 4.2 - 4.0 773 - 773 80.3 - 80.5 .5 .5 .5	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically Sea 1YC23 66 FVC 0.3 R-4 1, 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 - 1,005 95.1 - 95.0 - 95.1 5 550 × 76	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 00 550K 375 10A .2 28.3 (999) 25.6 (904) weller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 .9 35 × 285
Operation Sound Power Outdoor Unit Casing Color Compressor Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor (Starting Currer Dimensions (H Packaged Dim	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) Rated) nt	dB(A) dB W L kg m³/min (cfm) W A W A W % A mm mm	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76 612 × 90	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 500 500K 375 10A .0 28.3 (999) 25.6 (904) 90 25.6 (904) 90 25.5 (904)	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically See 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 - 1,005 95.1 - 95.0 - 95.1 5 550 × 76 612 × 90	39 / 33 / 27 / 24 55 G2V1B9 White aled Swing Type BAEXD 00 50K 375 10A .2 28.3 (999) 25.6 (904) 00 25.6 (904) 00 25.8 (905) 00 25.8 (905) 00
Operation Sound Power Outdoor Unit Casing Color Compressor Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Consun Power Factor (Starting Currer Starting Currer Dimensions (H Packaged Dim Weight	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) (Rated) Rated) t X W × D)	dB(A) dB W L kg m³/min (cfm) W A W A mm mm kg	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 77 612 × 90 3	38 / 32 / 26 / 23 54 G2V1B9 White aled Swing Type 3AEXD 50 SOK 375 10A .0 28.3 (999) 25.6 (904) weller :3 4.4 - 4.2 - 4.0 7773 - 773 80.3 - 80.0 - 80.5 :3 :4 :4	39 / 33 / 27 / 24 55 PXS350 Ivory Hermetically Sec 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1 5 550 × 7 612 × 90 3	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 00 550K 775 10A .2 28.3 (999) 25.6 (904) beller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 94.3 - 95.1 - 94.6 .9 55 × 285 56 × 364 4
Operation Sound Power Outdoor Unit Casing Color Compressor Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Consun Power Factor (Starting Curre Dimensions (H Packaged Dim Weight Gross Weight	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) (Rated) Rated) t X W × D)	dB(A) dB W L kg m³/min (cfm) W A W A W % A mm mm	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 77 612 × 90 3	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 500 500K 375 10A .0 28.3 (999) 25.6 (904) 90 25.6 (904) 90 25.5 (904)	39 / 33 / 27 / 24 55 PXS350 Ivory Hermetically Sec 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1 5 550 × 7 612 × 90 3	39 / 33 / 27 / 24 55 G2V1B9 White aled Swing Type BAEXD 00 50K 375 10A .2 28.3 (999) 25.6 (904) 00 25.6 (904) 00 25.8 (905) 00 25.8 (905) 00
Operation Sound Power Outdoor Unit Casing Color Compressor Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Currer Power Consun Power Factor (Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Type Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) nption (Rated) (Rated) Rated) t X W × D)	dB(A) dB W L kg m³/min (cfm) W A W A mm mm kg	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 77 612 × 90 3	38 / 32 / 26 / 23 54 G2V1B9 White aled Swing Type 3AEXD 50 SOK 375 10A .0 28.3 (999) 25.6 (904) weller :3 4.4 - 4.2 - 4.0 7773 - 773 80.3 - 80.0 - 80.5 :3 :4 :4	39 / 33 / 27 / 24 55 PXS350 Ivory Hermetically Sec 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1 5 550 × 7 612 × 90 3	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 00 550K 775 10A .2 28.3 (999) 25.6 (904) beller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 94.3 - 95.1 - 94.6 .9 955 × 285 56 × 364 4
Gross Weight Operation Sound Power Outdoor Unit Casing Color Compressor Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor (Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation Sound Power	Type Model Motor Output Type Charge H SL Type Motor Output nt (Rated) nption (Rated) Rated) nt X W X D) ensions (H X W X D)	dB(A) dB W L w (cfm) W A W A W % A mm kg kg kg kg kg kg	38 / 32 / 26 / 23 54 RXS250 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76 612 × 90 33 33	38 / 32 / 26 / 23 54 32V1B9 White aled Swing Type 3AEXD 500 550K 375 10A .0 25.6 (904) beller 3 4.4 - 4.2 - 4.0 773 - 773 80.3 - 80.0 - 80.5 .5 35 × 285 56 × 364 4 8	39 / 33 / 27 / 24 55 RXS350 Ivory Hermetically See 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2 4.8 - 4.6 - 4.4 1,005 - 1,005 - 1,005 95.1 - 95.0 - 95.1 5 550 × 76 612 × 90 3 3	39 / 33 / 27 / 24 55 32V1B9 White aled Swing Type 3AEXD 00 50K 375 10A .2 28.3 (999) 25.6 (904) weller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 .9 35 × 285 06 × 364 4 8

Note:

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m

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

	Indoor Unit		FVXS2	25FV1B	FVXS3	5EV1B
Model				J2V1B	RXS35	
	Outdoor Unit	ŀ	Cooling	Heating	Cooling	Heating
		kW	2.5 (1.3 ~ 3.0)	3.4 (1.3 ~ 4.5)	3.5 (1.4 ~ 3.8)	4.5 (1.4 ~ 5.0)
Capacity Rated	d (Min. ~ Max.)	Btu/h	8,500 (4,400 ~ 10,200)	11,600 (4,400 ~ 17,100)	11,900 (4,800 ~ 13,000)	15,400 (4,800 ~ 17,100)
		kcal/h	2,150 (1,120 ~ 2,580)	2,920 (1,120 ~ 4,300)	3,010 (1,200 ~ 3,270)	3,870 (1,200 ~ 4,300)
Moisture Remo	oval	L/h	1.2		1.9	_
Running Curre	nt (Rated)	Α	3.5 - 3.3 - 3.2	4.5 - 4.3 - 4.1	4.9 - 4.7 - 4.5	5.9 - 5.6 - 5.4
Power Consun		W	570 (300 ~ 920)	790 (290 ~ 1,390)	1,020 (300 ~ 1,250)	1,220 (310 ~ 1,880)
Rated (Min. ~ I	Max.)		· · · · ·		, , , ,	
Power Factor		%	74.0 - 75.1 - 74.2	79.8 - 79.9 - 80.3	94.6 - 94.4 - 94.4	94.0 - 94.7 - 94.1
COP (Rated)		W/W	4.39	4.30	3.43	3.69
Piping	Liquid	mm		6.4	φ6	
Connections	Gas	mm	φ 9.5		φ9	
	Drain	mm		20	¢2	-
Heat Insulation		1		nd Gas Pipes	Both Liquid a	
Max. Interunit I		m		20	2	
	Height Difference	m		5	1	-
Chargeless	litianal Ohanna af	m	1	0	1	0
Amount of Add Refrigerant	litional Charge of	g/m	2	20	2	0
Indoor Unit			FVXS2	25FV1B	FVXS3	5FV1B
Front Panel Co	blor			nite	Wh	-
	Н		8.2 (290)	8.8 (311)	8.5 (300)	9.4 (332)
	M	m³/min	6.5 (230)	6.9 (244)	6.7 (237)	7.3 (258)
Airflow Rate	L	(cfm)	4.8 (169)	5.0 (177)	4.9 (173)	5.2 (184)
ļ	SL		4.1 (145)	4.4 (155)	4.5 (159)	4.7 (166)
	Type	_	()	o Fan	Turbo	()
Fan	Motor Output	W		8	4	
an	Speed	Steps		Quiet, Auto		-
Air Direction C		сторо		contal. Downward	5 Steps, Quiet, Auto Right, Left, Horizontal, Downward	
Air Filter	ondor		Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof	
Running Curre	nt (Bated)	Α	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13
Power Consun		W	15 - 15 - 15	17 - 17 - 17	15 - 15 - 15	17 - 17 - 17
Power Factor		%	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5
Temperature C	Control	,.		uter Control	Microcompu	
Dimensions (H		mm		00 × 210	600 × 70	
(ensions $(H \times W \times D)$	mm	696 × 786 × 286		696 × 78	
Weight		kg	14		1	
Gross Weight		kg		8	1	
Operation				-		
Sound	H/M/L/SL	dB(A)	38 / 32 / 26 / 23	38 / 32 / 26 / 23	39 / 33 / 27 / 24	39 / 33 / 27 / 24
Sound Power	•		54	54	55	
		dB	34	RXS25J2V1B		55
		dB		J2V1B	RXS35	
Outdoor Unit		dB	RXS25	J2V1B White		J2V1B
Outdoor Unit	Туре	dB	RXS25 Ivory Hermetically Se	White aled Swing Type	RXS35	J2V1B White
Outdoor Unit Casing Color	Type Model	dB	RXS25 Ivory Hermetically Se	White	RXS35	J2V1B White aled Swing Type
Outdoor Unit Casing Color		dB W	RXS25 Ivory Hermetically Se 1YC23 64	White aled Swing Type 3AEXD 00	RXS35 Ivory Hermetically Sea	J2V1B White aled Swing Type AEXD
Outdoor Unit Casing Color Compressor Refrigerant	Model Motor Output Type		RXS25 Ivory Hermetically Se 1YC23 60 FVC	White aled Swing Type 3AEXD 00 250K	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC	J2V1B White aled Swing Type AEXD 00 50K
Outdoor Unit Casing Color Compressor Refrigerant	Model Motor Output Type Charge		RXS25 Ivory Hermetically Se 1YC23 60 FVC 0.3	White aled Swing Type 3AEXD 00 250K 375	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC 0.3	J2V1B White aled Swing Type AEXD 00 50K 75
Outdoor Unit Casing Color Compressor Refrigerant Oil	Model Motor Output Type Charge Type	W	RXS25 Ivory Hermetically Se 1YC23 60 FVC 0.3 R-4	White aled Swing Type 3AEXD 00 250K 375 10A	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC 0.3 R-4	J2V1B White aled Swing Type AEXD 00 50K 50K 175
Outdoor Unit Casing Color Compressor Refrigerant Oil	Model Motor Output Type Charge	W	RXS25 lvory Hermetically Se 1YC23 6 FVC 0.3 R-4 1	White aled Swing Type BAEXD 00 250K 875 10A .0	RXS35 Ivory V Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.	J2V1B White aled Swing Type JAEXD 50 50K 75 10A 2
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge H	W L kg m³/min	RXS25 lvory Hermetically Se 1YC22 6 FVC 0.3 R-4 1 33.5 (1,183)	White aled Swing Type 3AEXD 200 250K 375 10A .0 28.3 (999)	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC 0.3 R-41 36.0 (1,271)	J2V1B White aled Swing Type JAEXD 50K 755 10A 2 28.3 (999)
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge H SL	W L kg	RXS25 Ivory Hermetically Se 1YC2: 6 FVC 0.: R-4 1 33.5 (1,183) 30.1 (1,063)	White aled Swing Type 3AEXD 30 375 10A .0 28.3 (999) 25.6 (904)	RXS35 Ivory V Hermetically Sea 1YC23 60 FVC 0.3 R-4: 1. 36.0 (1,271) 30.1 (1,063)	J2V1B White aled Swing Type AEXD 50K 75 10A 2 2 28.3 (999) 25.6 (904)
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate	Model Motor Output Type Charge Type Charge H SL Type Type	W L kg m³/min (cfm)	RXS25 Ivory Hermetically Se 1YC2: 6 FVC 0.: R-4 1 33.5 (1,183) 30.1 (1,063)	White aled Swing Type 3AEXD 30 375 10A .0 28.3 (999) 25.6 (904) beller	RXS35 Ivory V Hermetically Sea 1YC23 60 FVC 0.3 R-4* 1. 36.0 (1,271) 30.1 (1,063)	J2V1B White aled Swing Type AEXD 50K 550K 75 10A 2 28.3 (999) 25.6 (904) eller
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan	Model Motor Output Type Charge Type Charge H SL Type Motor Output	W L m³/min (cfm) W	RXS25 Ivory Hermetically Se 1YC23 66 FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2	White aled Swing Type 3AEXD 30 50K 375 10A .0 28.3 (999) 25.6 (904) beller 33	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC 0.3 R-4* 1. 36.0 (1,271) 30.1 (1,063) Prop 2	J2V1B White aled Swing Type IAEXD 50K 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3
Dutdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre	Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated)	W L m³/min (cfm) W A	RXS25 Ivory Hermetically Se 1YC23 6 FVC 0.3 R-4 133.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1	White aled Swing Type 3AEXD 00 50K 375 10A .0 28.3 (999) 25.6 (904) beller 23 4.4 - 4.2 - 4.0	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC 0.3 R-4' 1. 36.0 (1,271) 30.1 (1,063) Prop 2: 4.8 - 4.6 - 4.4	J2V1B White aled Swing Type IAEXD 00 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3
Dutdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consum	Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) mption (Rated)	W L m³/min (cfm) W A W	RXS25 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555	White aled Swing Type 3AEXD 30 50K 375 10A .0 28.3 (999) 25.6 (904) veller 23 4.4 - 4.2 - 4.0 773 - 773 - 773	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 36.0 (1,271) 30.1 (1,063) Prop 2: 4.8 - 4.6 - 4.4 1,005 - 1,005	J2V1B White aled Swing Type IAEXD 00 50K 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor (Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) mption (Rated) (Rated)	W L M³/min (cfm) W A A W %	RXS25 Ivory Hermetically Se 1YC23 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6	White aled Swing Type BAEXD 00 250K 375 10A .0 28.3 (999) 25.6 (904) beller :3 4.4 - 4.2 - 4.0 773 - 773 80.3 - 80.0 - 80.5	RXS35 lvory V Hermetically Sec 1YC23 60 FVC 0.3 R-41 36.0 (1,271) 30.1 (1,063) Prop 22 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1	J2V1B White aled Swing Type AEXD 00 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor (Starting Currer	Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) Rated) nt	W L w ³ /min (cfm) W A W W X A	RXS2 Ivory Hermetically Se 1YC22 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4	White aled Swing Type 3AEXD 00 250K 375 10A .0 28.3 (999) 25.6 (904) peller :3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 .5	RXS35 lvory V Hermetically Sea 1YC23 60 FVC 0.3 R-44 1.063 Prop 2 4.8 - 4.6 - 4.4 1.005 - 1.005 95.1 - 95.0 - 95.1 5.	J2V1B White aled Swing Type (AEXD) 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 9
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curree Power Consum Power Factor (Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge H SL Type Motor Output int (Rated) nption (Rated) Rated) nt K W × D)	W L m³/min (cfm) W A W A W % A M W	RXS25 Ivory Hermetically Se 1YC23 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 70	White aled Swing Type 3AEXD 30 375 10A .0 25.6 (904) celler 23 4.4 - 4.2 - 4.0 773 - 773 80.3 - 80.0 - 80.5 .5 65 × 285	RXS35 Ivory 1 Hermetically Sea 1YC23 60 FVC 0.3 R-44 1.036.0 (1,271) 30.1 (1,063) Prop 2: 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1 5. 550 × 76	J2V1B White aled Swing Type JAEXD 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 9 55 × 285
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consum Power Factor (Starting Currer Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge H SL Type Motor Output nt (Rated) Rated) nt	W L W W M W A W W A W W A A M W M M M M M	RXS25 Ivory Hermetically Se 1YC23 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 74 612 × 90	White aled Swing Type 3AEXD 30 375 10A .0 25.6 (904) beller :3 4.4 - 4.2 - 4.0 .773 - 773 80.3 - 80.0 - 80.5 .5 65 × 285 .06 × 364	RXS35 Ivory V Hermetically Sea 1YC23 60 FVC 0.3 R-4: 1. 36.0 (1,271) 30.1 (1,063) Prop 2: 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1 5. 550 × 76 612 × 90	J2V1B White aled Swing Type JAEXD 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 9 35 × 285 36 × 364
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Model Motor Output Type Charge Type Charge H SL Type Motor Output int (Rated) nption (Rated) Rated) nt K W × D)	W L M ³ /min (cfm) W A A W A W A A W K g	RXS25 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 77 612 × 9 3	White aled Swing Type 3AEXD 30 375 10A .0 25.6 (904) beller 33 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 .5 55 × 285 06 × 364 14	RXS35 Ivory V Hermetically Sea 1YC23 60 FVC 0.3 R-4: 1. 36.0 (1,271) 30.1 (1,063) Prop 2: 4.8 - 4.6 - 4.4 1,005 - 1,005 - 1,005 95.1 - 95.0 - 95.1 550 × 75 612 × 90 3	J2V1B White aled Swing Type AEXD 00 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 9 55 × 285 06 × 364 4
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	Model Motor Output Type Charge Type Charge H SL Type Motor Output int (Rated) nption (Rated) Rated) nt K W × D)	W L W W M W A W W A W W A A M W M M M M M	RXS25 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 77 612 × 9 3	White aled Swing Type 3AEXD 30 375 10A .0 25.6 (904) beller :3 4.4 - 4.2 - 4.0 .773 - 773 80.3 - 80.0 - 80.5 .5 65 × 285 .06 × 364	RXS35 Ivory V Hermetically Sea 1YC23 60 FVC 0.3 R-4: 1. 36.0 (1,271) 30.1 (1,063) Prop 2: 4.8 - 4.6 - 4.4 1,005 - 1,005 95.1 - 95.0 - 95.1 5. 550 × 76 612 × 90	J2V1B White aled Swing Type AEXD 00 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 9 55 × 285 06 × 364 4
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Model Motor Output Type Charge Type Charge H SL Type Motor Output int (Rated) nption (Rated) Rated) nt K W × D)	W L M ³ /min (cfm) W A A W A W A A W K g	RXS25 Ivory Hermetically Se 1YC2: 6i FVC 0.3 R-4 1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 77 612 × 9 3	White aled Swing Type 3AEXD 30 375 10A .0 25.6 (904) beller 33 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 .5 55 × 285 06 × 364 14	RXS35 Ivory V Hermetically Sea 1YC23 60 FVC 0.3 R-4: 1. 36.0 (1,271) 30.1 (1,063) Prop 2: 4.8 - 4.6 - 4.4 1,005 - 1,005 - 1,005 95.1 - 95.0 - 95.1 550 × 75 612 × 90 3	J2V1B White aled Swing Type AEXD 00 50K 75 10A 2 28.3 (999) 25.6 (904) eller 3 5.8 - 5.5 - 5.3 1,203 - 1,203 - 1,203 94.3 - 95.1 - 94.6 9 55 × 285 06 × 364 4

Note:

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m

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

	Indoor Unit		FVX	50 HZ, 220 - 230 - 240 V S50FV1B
Model	lodel			50J2V1B
	Outdoor Unit		Cooling	Heating
		kW	5.0 (1.4 ~ 5.6)	5.8 (1.4 ~ 8.1)
Capacity Rate	d (Min. ~ Max.)	Btu/h	17,100 (4,800 ~ 19,100)	19,800 (4,800 ~ 27,600)
		kcal/h	4,300 (1,200 ~ 4,820)	4,990 (1,200 ~ 6,970)
Moisture Rem	oval	L/h	2.9	_
Running Curre	ent (Rated)	A	7.2 - 6.8 - 6.6	7.3 - 7.0 - 6.7
Power Consur		w		
Rated (Min. ~		vv	1,550 (500 ~ 2,000)	1,600 (500 ~ 2,600)
Power Factor		%	99.2 - 99.1 - 99.4	99.6 - 99.3 - 99.5
COP (Rated)		W/W	3.23	3.63
Dining	Liquid	mm		φ 6.4
Piping Connections	Gas	mm	(þ 12.7
	Drain	mm	(þ 20.0
Heat Insulation			Both Liquid	l and Gas Pipes
Max. Interunit		m		30
Max. Interunit	Height Difference	m		20
Chargeless		m		10
Amount of Ade	ditional Charge of	g/m		20
Refrigerant		3		
Indoor Unit				S50FV1B
Front Panel C	•			White
	Н	╡ ┝──	10.7 (378)	11.8 (417)
Airflow Rate	M	m³/min	9.2 (325)	10.1 (357)
	L	(cfm)	7.8 (275)	8.5 (300)
	SL		6.6 (233)	7.1 (251)
	Туре		Tu	rbo Fan
Fan	Motor Output	W		48
	Speed	Steps		, Quiet, Auto
Air Direction C	Control			rizontal, Downward
Air Filter			Removable / Wa	shable / Mildew Proof
Running Curre	ent	A	0.18 - 0.17 - 0.16	0.20 - 0.19 - 0.18
Power Consur	nption	W	27 - 27 - 27	34 - 34 - 34
Power Factor		%	68.1 - 69.1 - 70.3	77.3 - 77.8 - 78.7
Temperature (Control		Microcon	nputer Control
Dimensions (H	$H \times W \times D$	mm	600 ×	700 × 210
Packaged Din	nensions $(H \times W \times D)$	mm	696 ×	786 × 286
Weight		kg		14
Gross Weight		kg		18
Operation	H/M/L/SL	dB(A)	44 / 40 / 36 / 32	45 / 40 / 36 / 32
Sound		UD(A)	44 / 40 / 30 / 32	43 / 40 / 38 / 32
Sound Power		dB	56	57
Outdoor Unit				50J2V1B
Casing Color	-			ry White
	Туре			Sealed Swing Type
Compressor	Model			C36BXD
	Motor Output	W		1,100
Refrigerant	Туре	_		VC50K
Oil	Charge	L		0.65
Refrigerant	Туре		F	R-410A
nongerani	Charge	kg		1.7
Airflow Rate	Н	m³/min	50.9 (1,797)	45.0 (1,589)
	SL	(cfm)	48.9 (1,727)	43.1 (1,522)
Fan	Туре		Pi	opeller
	Motor Output	W		53
Running Curre	ent	A	7.02 - 6.64 - 6.44	7.14 - 6.83 - 6.54
	mption	W	1,523 - 1,523 - 1,523	1,566 - 1,566 - 1,566
Power Consur		%	98.6 - 99.7 - 98.5	99.7 - 99.7 - 99.8
				7.3
Power Factor	nt	A		
Power Factor Starting Curre		A mm	735 ×	825 × 300
Power Factor Starting Curre Dimensions (H				
Power Factor Starting Curre Dimensions (H	H × W × D)	mm mm		825 × 300
Power Factor Starting Curre Dimensions (H Packaged Dim Weight	$H \times W \times D$) nensions ($H \times W \times D$)	mm mm kg		825 × 300 960 × 390
Power Factor Starting Curre Dimensions (H Packaged Dim Weight Gross Weight	H × W × D) nensions (H × W × D)	mm mm kg kg	797 ×	825 × 300 960 × 390 48 53
Packaged Din Weight Gross Weight Operation Sound	H × W × D) nensions (H × W × D) H / SL	mm mm kg kg dB(A)	797 × 48 / 44	825 × 300 960 × 390 48 53 48 / 45
Power Factor Starting Curre Dimensions (H Packaged Dim Weight Gross Weight	H × W × D) nensions (H × W × D) H / SL	mm mm kg kg	797 ×	825 × 300 960 × 390 48 53

Note:

The data are based on the conditions shown in the table below.

I ne data are based on the conditions shown in the table below.					
Cooling	Heating	Piping Length			
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m			

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

Indoor Unit FVXS25FV1B FVXS25FV1B				5FV1B		
Model			RXS25			K3V1B
	Outdoor Unit	-	Cooling	Heating	Cooling	Heating
		kW	2.5 (1.3 ~ 3.0)	3.4 (1.3 ~ 4.5)	2.5 (1.3 ~ 3.0)	3.4 (1.3 ~ 4.5)
Capacity Rate	d (Min. ~ Max.)	Btu/h	8,500 (4,400 ~ 10,200)	11,600 (4,400 ~ 17,100)	8,500 (4,400 ~ 10,200)	11,600 (4,400 ~ 15,400
		kcal/h	2,150 (1,120 ~ 2,580)	2,920 (1,120 ~ 4,300)	2,150 (1,120 ~ 2,580)	2,920 (1,120 ~ 3,870)
Moisture Rem	oval	L/h	1.2	_	1.2	—
Running Curre		A	3.5 - 3.3 - 3.2	4.5 - 4.3 - 4.1	3.5 - 3.3 - 3.2	4.5 - 4.3 - 4.1
Power Consur	nption	W	570 (300 ~ 920)	790 (290 ~ 1,390)	570 (300 ~ 920)	790 (290 ~ 1,390)
Rated (Min. ~	Max.)		, ,			
Power Factor		%	74.0 - 75.1 - 74.2	79.8 - 79.9 - 80.3	74.0 - 75.1 - 74.2	79.8 - 79.9 - 80.3
COP (Rated)	· /	W/W	4.39 (4.33 ~ 3.26)	4.30 (4.48 ~ 3.24)	4.39 (4.33 ~ 3.26)	4.30 (4.48 ~ 3.24)
Piping	Liquid	mm	φ (6.4
Connections	Gas	mm	φ <u>ξ</u>			9.5
	Drain	mm		0.0		0.0
leat Insulation			Both Liquid a			nd Gas Pipes
	Piping Length	m	2	-		20
	Height Difference	m	1			5
Chargeless		m	1	0	1	0
	ditional Charge of	g/m	2	0	2	0
Refrigerant		1 3 .		5FV1B		25FV1B
ront Panel C	olor		FVXS2			nite
TUTIL Panel C						
	Н	- . -	8.2 (290)	8.8 (311)	8.2 (290)	8.8 (311)
Airflow Rate	M	m³/min	6.5 (230)	6.9 (244)	6.5 (230)	6.9 (244)
	L	(cfm)	4.8 (169)	5.0 (177)	4.8 (169)	5.0 (177)
	SL		4.1 (145)	4.4 (155)	4.1 (145)	4.4 (155)
	Туре			o Fan		o Fan
an	Motor Output	W	4	8		8
	Speed	Steps	5 Steps, C		5 Steps, C	Quiet, Auto
Air Direction C	Control		Right, Left, Horiz	ontal, Downward	Right, Left, Horizontal, Downward	
Air Filter			Removable / Wash	able / Mildew Proof	Removable / Wash	able / Mildew Proof
Running Curre	ent (Rated)	Α	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13
Power Consur	nption (Rated)	W	15 - 15 - 15	17 - 17 - 17	15 - 15 - 15	17 - 17 - 17
Power Factor	,	%	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5
Temperature (Control		Microcomp		Microcomp	uter Control
Dimensions (H		mm		00 × 210		00 × 210
	nensions ($H \times W \times D$)	mm	696 × 78			86 × 280
Weight		kg	14			4
Gross Weight		kg		8		8
Operation				-	-	-
Sound	H/M/L/SL	dB(A)	38 / 32 / 26 / 23	38 / 32 / 26 / 23	38 / 32 / 26 / 23	38 / 32 / 26 / 23
				54	52	
Sound Power			54			52
		dB	54 RXS25	-		52 K3V1B
Outdoor Unit		dB	RXS25	K2V1B	RXS25	K3V1B
Outdoor Unit	Type	dB	RXS25 Ivory	K2V1B White	RXS25 Ivory	K3V1B White
Outdoor Unit Casing Color	Type	dB	RXS25 Ivory Hermetically Sea	K2V1B White aled Swing Type	RXS25 Ivory Hermetically Sea	K3V1B White aled Swing Type
Outdoor Unit Casing Color	Model		RXS25 Ivory Hermetically Sea 1YC23	K2V1B White aled Swing Type BAEXD	RXS25 Ivory Hermetically Se 1YC23	K3V1B White aled Swing Type BAEXD
Dutdoor Unit Casing Color Compressor	Model Motor Output	dB W	RXS25 Ivory Hermetically Sec 1YC23 60	K2V1B White aled Swing Type AEXD 00	RXS25 Ivory Hermetically Se 1YC23 60	K3V1B White aled Swing Type BAEXD 00
Dutdoor Unit Casing Color Compressor Refrigerant	Model Motor Output Type		RXS25 Ivory Hermetically Sec 1YC23 60 FVC	K2V1B White aled Swing Type AEXD 00 50K	RXS25 Ivory Hermetically Se 1YC23 60 FVC	K3V1B White aled Swing Type 3AEXD 00 250K
Dutdoor Unit Casing Color Compressor Refrigerant Dil	Model Motor Output Type Charge		RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3	K2V1B White aled Swing Type AEXD 00 50K 50K	RXS25 Ivory Hermetically Se 1YC23 6(FVC 0.3	K3V1B White aled Swing Type 3AEXD 00 250K 375
Dutdoor Unit Casing Color Compressor Refrigerant Dil	Model Motor Output Type Charge Type	W	RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4	K2V1B White aled Swing Type AEXD 00 SOK 375 10A	RXS25 Ivory Hermetically Se 1YC23 60 FVC 0.3 R-4	K3V1B White aled Swing Type 3AEXD 00 250K 375 10A
Dutdoor Unit Casing Color Compressor Refrigerant Dil	Model Motor Output Type Charge Type Charge	W L kg	RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1.	K2V1B White aled Swing Type AEXD 50 50 75 10A 00	RXS25 Ivory Hermetically Se 1YC23 60 FVC 0.3 R-4 1.	K3V1B White aled Swing Type 3AEXD 250 550K 375 10A 00
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge H	W L kg m³/min	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183)	K2V1B White aled Swing Type SAEXD 30 550K 375 10A 00 28.3 (999)	RXS25 lvory Hermetically Se 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183)	K3V1B White aled Swing Type 3AEXD 200 250K 375 10A 00 28.3 (999)
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge H SL	W L kg	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063)	K2V1B White aled Swing Type AEXD 30 550K 375 10A 00 28.3 (999) 25.6 (904)	RXS25 lvory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063)	K3V1B White aled Swing Type 3AEXD 250K 375 10A 00 28.3 (999) 25.6 (904)
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate	Model Motor Output Type Charge Type Charge H SL Type Type	W L kg (cfm)	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063)	K2V1B White aled Swing Type XAEXD XAEXD X0 250K X75 10A X0 X28.3 (999) 25.6 (904)	RXS25 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063)	K3V1B White aled Swing Type 3AEXD 20 250K 375 10A 00 28.3 (999) 25.6 (904)
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan	Model Motor Output Type Charge Type Charge H SL Type Motor Output	W L m³/min (cfm)	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2	K2V1B White aled Swing Type XAEXD X6 X75 10A 00 28.3 (999) 25.6 (904) veller 3	RXS25 Ivory Hermetically Sec 1YC23 66 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2	K3V1B White aled Swing Type 3AEXD 20 250K 375 10A 00 28.3 (999) 25.6 (904) celler 3
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre	Model Motor Output Type Charge Type Charge H SL Type Motor Output ent (Rated)	W L m³/min (cfm) W A	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1	K2V1B White aled Swing Type SAEXD 30 50K 375 10A 00 28.3 (999) 25.6 (904) weller 3 4.4 - 4.2 - 4.0	RXS25 Ivory Hermetically Sec 1YC23 66 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08	K3V1B White aled Swing Type 3AEXD 30 50K 375 10A 00 28.3 (999) 25.6 (904) veller 33 4.35 - 4.16 - 3.97
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consur	Model Motor Output Type Charge Type H SL Type Motor Output ent (Rated) mption (Rated)	W L m³/min (cfm) W A W	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555	K2V1B White aled Swing Type SAEXD 30 50K 575 10A 00 28.3 (999) 25.6 (904) eller 3 4.4 - 4.2 - 4.0 773 - 773 - 773	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08 555 - 555	K3V1B White aled Swing Type 3AEXD 00 550K 375 10A 00 28.3 (999) 25.6 (904) veller 3 4.35 - 4.16 - 3.97 773 - 773 - 773
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consur Power Factor	Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated)	W L M³/min (cfm) W A W W A W	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4- 74.6	K2V1B White aled Swing Type SAEXD 30 50K 375 10A 00 28.3 (999) 25.6 (904) eller 3 4.4 - 4.2 - 4.0 773 - 773 80.3 - 80.0 - 80.5	RXS25 lvory Hermetically Se 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1	K3V1B White aled Swing Type 3AEXD 00 250K 375 10A 00 28.3 (999) 25.6 (904) veller 13 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consur Power Factor Starting Curre	Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated) nt	W L M³/min (cfm) W A A W % A	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4	K2V1B White aled Swing Type SAEXD 360K 50K 375 10A 00 28.3 (999) 25.6 (904) veller 3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 .5	RXS25 Ivory Hermetically Se 1YC22 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1 4	K3V1B White aled Swing Type 3AEXD 30 250K 375 10A 00 28.3 (999) 25.6 (904) veller 33 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1 .5
Dutdoor Unit Casing Color Compressor Refrigerant Dil Airflow Rate Fan Running Curre Power Consur Power Factor Starting Curre Dimensions (H	Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated) mt H × W × D)	W L M³/min (cfm) W A W W A W	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76	K2V1B White aled Swing Type SAEXD 360 75 10A 00 28.3 (999) 25.6 (904) eeller 3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 55 35 × 285	RXS25 Ivory Hermetically Se 1YC22 60 FVC 0.3 R-44 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1 4 550 × 76	K3V1B White aled Swing Type 3AEXD 300 250K 375 10A 00 28.3 (999) 25.6 (904) veller :3 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1 .5 65 × 285
Dutdoor Unit Casing Color Compressor Refrigerant Dil Airflow Rate Fan Running Curre Power Consur Power Factor Starting Curre Dimensions (H	Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated) nt	W L M³/min (cfm) W A A W % A	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4	K2V1B White aled Swing Type SAEXD 360 75 10A 00 28.3 (999) 25.6 (904) eeller 3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 55 35 × 285	RXS25 lvory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1 4 550 × 74 612 × 90	K3V1B White aled Swing Type 3AEXD 20 250K 375 10A 00 25.6 (904) celler 3 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1 .5 65 × 285 06 × 364
Outdoor Unit Casing Color Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consur Power Consur Power Factor Dimensions (I Packaged Dim Weight	Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated) mt H × W × D)	W L wg m³/min (cfm) W A W A W % A M W	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76	K2V1B White aled Swing Type SAEXD 30 550K 375 10A 00 28.3 (999) 25.6 (904) reller 3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 .5 35 × 285 36 × 364	RXS25 lvory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1 4 550 × 74 612 × 90	K3V1B White aled Swing Type 3AEXD 300 250K 375 10A 00 28.3 (999) 25.6 (904) veller :3 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1 .5 65 × 285
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consur Power Consur Power Consur Starting Curre Dimensions (h Packaged Din Neight	Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated) mt H × W × D)	W L M ³ /min (cfm) W A W % A W % A M M M	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76 612 × 90	K2V1B White aled Swing Type JAEXD 300 250K 375 10A 00 28.3 (999) 25.6 (904) veller 3 4.4 - 4.2 - 4.0 773 - 773 80.3 - 80.0 - 80.5 55 35 × 285 36 × 364	RXS25 lvory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1 4 550 × 77 612 × 90 3	K3V1B White aled Swing Type 3AEXD 20 250K 375 10A 00 25.6 (904) celler 3 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1 .5 65 × 285 06 × 364
Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Power Consur Power Factor Starting Curre Dimensions (H Packaged Din Weight Gross Weight Dperation	Model Motor Output Type Charge Type Charge H SL Type Motor Output mt (Rated) mption (Rated) (Rated) mt H × W × D)	W L W M ⁹ /min (cfm) W A W A W A A W W A A M M M Kg	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76 612 × 90 3	K2V1B White aled Swing Type SAEXD 34EXD 50K 375 10A 00 28.3 (999) 25.6 (904) seller 3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.5 55 36× 3864 4 8 47 / 44	RXS25 lvory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1 4 550 × 77 612 × 90 3	K3V1B White aled Swing Type 3AEXD 300 250K 375 10A 00 28.3 (999) 25.6 (904) peller 3 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1 .5 35 × 285 06 × 364 44
Power Factor Starting Curre Dimensions (H	Model Motor Output Type Charge Type Charge H SL Type Motor Output motor Output mption (Rated) (Rated) nt 4 × W × D)	W L M ³ /min (cfm) W A W A W % A M W % A M M W % A Kg kg	RXS25 Ivory Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.1 33.5 (1,183) 30.1 (1,063) Prop 2 3.4 - 3.2 - 3.1 555 - 555 74.2 - 75.4 - 74.6 4 550 × 76 612 × 90 3 3	K2V1B White aled Swing Type SAEXD 3 25.6 (904) eeller 3 4.4 - 4.2 - 4.0 773 - 773 - 773 80.3 - 80.0 - 80.5 55 35 × 285 36 × 364 4	RXS25 lvory Hermetically Second 1YC23 60 FVC 0.3 R-44 1. 33.5 (1,183) 30.1 (1,063) Prop 2 3.36 - 3.17 - 3.08 555 - 555 75.1 - 76.1 - 75.1 4 550 × 74 612 × 90 3 3	K3V1B White aled Swing Type 3AEXD 200 250K 375 10A 00 28.3 (999) 25.6 (904) celler 33 4.35 - 4.16 - 3.97 773 - 773 - 773 80.8 - 80.8 - 81.1 .5 65 × 285 26 × 364 4 88

Note:

Cooling	Heating	Piping Length
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m

Conversion Formulae
$\begin{array}{l} \text{kcal/h} = \text{kW} \times 860 \\ \text{Btu/h} = \text{kW} \times 3412 \\ \text{cfm} = \text{m}^3/\text{min} \times 35.3 \end{array}$

	Indeer Unit EV/C25EV/1P					0EV1B
Model	Indoor Unit		FVXS35FV1B RXS35K2V1B		FVXS50FV1B RXS50K2V1B	
Woder	Outdoor Unit	F	Cooling	Heating	Cooling	Heating
		kW	3.5 (1.4 ~ 3.8)	4.5 (1.4 ~ 5.0)	5.0 (1.4 ~ 5.6)	5.8 (1.4 ~ 8.1)
Canacity Bate	ed (Min. ~ Max.)	Btu/h	11,900 (4,800 ~ 13,000)	15,400 (4,800 ~ 17,100)	17,100 (4,800 ~ 19,100)	19,800 (4,800 ~ 27,600
		kcal/h	3,010 (1,200 ~ 3,270)	3,870 (1,200 ~ 4,300)	4.300 (1.200 ~ 4.820)	4,990 (1,200 ~ 6,970)
				3,070 (1,200 ~ 4,300)	,(,, ,,	4,330 (1,200 ~ 0,370)
Moisture Rem		L/h	1.9	_	2.9	
Running Curre		A	4.9 - 4.7 - 4.5	5.9 - 5.6 - 5.4	7.2 - 6.8 - 6.6	7.3 - 7.0 - 6.7
Power Consur Rated (Min. ~		w	1,020 (300 ~ 1,250)	1,220 (310 ~ 1,880)	1,550 (500 ~ 2,000)	1,600 (500 ~ 2,600)
	iviax.)	0/	94.6 - 94.4 - 94.4	04.0 04.7 04.4	97.9 - 99.1 - 97.9	00.0.00.4.00.5
Power Factor		%		94.0 - 94.7 - 94.1		99.6 - 99.4 - 99.5
COP (Rated) (W/W	3.43 (4.67 ~ 3.04)	3.69 (4.52 ~ 2.66)	3.23 (2.80 ~ 2.80)	3.63 (2.80 ~ 3.12)
Piping	Liquid	mm	φ6			5.4
Connections	Gas	mm	φ 9.5		φ 12.7	
	Drain	mm	φ 20.0		φ 20.0 Στι τι το το Σί	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit	Piping Length	m	2	0	3	0
Aax. Interunit	Height Difference	m	15		20	
Chargeless		m	1	0	1	0
Amount of Adr	ditional Charge of	g/m				
Refrigerant		9/11	20		20	
ndoor Unit			FVXS35FV1B		FVXS50FV1B	
Front Panel Co	olor		Wh	nite	Wh	nite
	Н		8.5 (300)	9.4 (332)	10.7 (378)	11.8 (417)
	М	m³/min	6.7 (237)	7.3 (258)	9.2 (325)	10.1 (357)
Airflow Rate	L	(cfm)	4.9 (173)	5.2 (184)	7.8 (275)	8.5 (300)
	SL	-1	4.5 (159)	4.7 (166)	6.6 (233)	7.1 (251)
	Type		Turbo	· · · · ·	()	5 Fan
an	Motor Output	W	4		4	
an	Speed	Steps	5 Steps, C	-		
Air Direction C		Oteps	Right, Left, Horiz		5 Steps, Quiet, Auto	
			0, ,	,	Right, Left, Horizontal, Downward Removable / Washable / Mildew Proof	
Air Filter			Removable / Wash			
Running Curre		A	0.14 - 0.13 - 0.12	0.15 - 0.14 - 0.13	0.18 - 0.17 - 0.16	0.17 - 0.17 - 0.16
Power Consur	mption	W	15 - 15 - 15	17 - 17 - 17	27 - 27 - 27	34 - 34 - 34
Power Factor		%	48.7 - 50.2 - 52.1	51.5 - 52.8 - 54.5	68.2 - 69.1 - 70.3	90.9 - 87.0 - 88.5
Femperature (Microcomputer Control		Microcomputer Control	
Dimensions (H	/	mm	600 × 700 × 210		600 × 700 × 210	
Packaged Dim	nensions ($H \times W \times D$)	mm	696 × 786 × 280		696 × 786 × 280	
Weight kg		kg	14		14	
worgi it			1	8	1	8
0		kg	10			
Gross Weight				20/22/27/04	44 / 40 / 20 / 20	45 / 40 / 26 / 20
Gross Weight Operation	H/M/L/SL	kg dB(A)	39 / 33 / 27 / 24	39 / 33 / 27 / 24	44 / 40 / 36 / 32	45 / 40 / 36 / 32
Gross Weight Operation Sound				39 / 33 / 27 / 24 52	44 / 40 / 36 / 32 60	45 / 40 / 36 / 32 61
Gross Weight Operation Sound Sound Power	H/M/L/SL	dB(A)	39 / 33 / 27 / 24	52	60	
Gross Weight Operation Sound Sound Power Dutdoor Unit	H/M/L/SL	dB(A)	39 / 33 / 27 / 24 52	52 K2V1B	60 RXS50	61 K2V1B
Gross Weight Operation Sound Sound Power Dutdoor Unit	H/M/L/SL	dB(A)	39 / 33 / 27 / 24 52 RXS35 Ivory	52 K2V1B White	60 RXS50 Ivory	61 K2V1B White
Gross Weight Operation Sound Sound Power Dutdoor Unit Casing Color	H/M/L/SL	dB(A)	39 / 33 / 27 / 24 52 RXS35 Ivory Hermetically Sea	52 K2V1B White aled Swing Type	60 RXS50 Ivory Hermetically Sea	61 K2V1B White aled Swing Type
Gross Weight Operation Sound Sound Power Dutdoor Unit Casing Color	H/M/L/SL Type Model	dB(A) dB	39 / 33 / 27 / 24 52 RXS35 Ivory Hermetically Sea 1YC23	52 K2V1B White aled Swing Type WAEXD	60 RXS50 Ivory Hermetically Sea 2YC3	61 K2V1B White aled Swing Type 6BXD
Gross Weight Dperation Sound Sound Power Dutdoor Unit Casing Color Compressor	H/M/L/SL Type Model Motor Output	dB(A)	39 / 33 / 27 / 24 52 RXS35 Ivory Hermetically Sec 1YC23 60	52 K2V1B White aled Swing Type AEXD 00	60 RXS50 Ivory Hermetically Sec 2YC3 1,1	61 K2V1B White aled Swing Type 6BXD 00
Gross Weight Operation Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant	H/M/L/SL Type Model Motor Output Type	dB(A) dB	39 / 33 / 27 / 24 52 Ivory V Hermetically Sea 1YC23 60 FVC	52 K2V1B White aled Swing Type AEXD 00 50K	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC	61 K2V1B White aled Swing Type 6BXD 00 250K
Gross Weight Operation Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant	H/M/L/SL Type Model Motor Output Type Charge	dB(A) dB	39 / 33 / 27 / 24 52 RXS35 Ivory ' Hermetically Sea 1YC23 60 FVC 0.3	52 K2V1B White laled Swing Type JAEXD 00 50K 75	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0.	61 K2V1B White aled Swing Type 6BXD 00 250K 65
Gross Weight Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Dil	H/M/L/SL Type Model Motor Output Type Charge Type	dB(A) dB W L	39 / 33 / 27 / 24 52 RXS35 Ivory 1 Hermetically Sea 1YC23 66 FVC 0.3 R-4	52 K2V1B White Aled Swing Type AEXD 00 50K 50K 50K 10A	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 1,1 FVC 0,0 R-4	61 K2V1B White aled Swing Type 6BXD 00 250K 65 10A
Gross Weight Operation Sound Power Outdoor Unit Casing Color Compressor Refrigerant Dil	H/M/L/SL Type Model Motor Output Type Charge Type Charge	dB(A) dB W L kg	39 / 33 / 27 / 24 52 RXS35 Ivory ¹ Hermetically Sea 1YC23 60 FVC 0.3 R-4	52 K2V1B White aled Swing Type AEXD 30 50K 50K 175 10A 20	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0,0 R-4 1.	61 K2V1B White aled Swing Type 6BXD 00 250K 65 10A 70
Gross Weight Operation Sound Power Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant	H/M/L/SL Type Model Motor Output Type Charge Type Charge H	dB(A) dB W U L kg m³/min	39 / 33 / 27 / 24 52 RXS35 lvory ¹ Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271)	52 K2V1B White aled Swing Type AEXD 00 50K 50K 50K 50K 50K 50K 50K	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797)	61 K2V1B White aled Swing Type 6BXD 00 250K 65 10A 70 45.0 (1,589)
Arross Weight Operation Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant Dil	H/M/L/SL Type Model Motor Output Type Charge Type Charge H SL	dB(A) dB W L kg	39 / 33 / 27 / 24 52 RXS35 Nory V Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063)	52 K2V1B White aled Swing Type MEXD 00 50K 75 10A 20 28.3 (999) 25.6 (904)	60 RXS50 Ivory Hermetically Sea 2YC3 1,1 FVC 0,1 R-4 1,2 50.9 (1,797) 48.9 (1,727)	61 K2V1B White aled Swing Type 6BXD 00 250K 65 10A 70 45.0 (1,589) 43.1 (1,522)
Gross Weight Operation Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate	H/M/L/SL Type Model Motor Output Type Charge Type Charge H SL Type	dB(A) dB W L kg m³/min (cfm)	39 / 33 / 27 / 24 52 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop	52 K2V1B White aled Swing Type KAEXD 00 50K 50K 10A 20 28.3 (999) 25.6 (904) reller	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0.1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop	61 K2V1B White aled Swing Type 6BXD 00 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) weller
Aross Weight Operation Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant Dil Refrigerant Airflow Rate	H/M/L/SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output	dB(A) dB W L kg m³/min (cfm) W	39 / 33 / 27 / 24 52 RXS35 Ivory / Hermetically See 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2	52 K2V1B White aled Swing Type MEXD 00 50K 50K 50K 50K 250K 250K 250K 250K 250K 250K 250K 260 28.3 (999) 25.6 (904) eller 3	60 RXS50 Ivory Hermetically Sea 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5	61 K2V1B White aled Swing Type 6BXD 100 50K 65 10A 70 45.0 (1,589) 43.1 (1,522) beller 3
Aross Weight Deperation Sound Power Dutdoor Unit Casing Color Compressor Compressor Refrigerant Dil Refrigerant Arflow Rate	H/M/L/SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output	dB(A) dB W L m³/min (cfm) W W	39 / 33 / 27 / 24 52 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop	52 K2V1B White aled Swing Type VAEXD 00 50K 75 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7.02 - 6.63 - 6.44	61 K2V1B White aled Swing Type 6BXD 100 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) beller 3 7.13 - 6.83 - 6.54
Aross Weight Deperation Sound Sound Power Dutdoor Unit Casing Color Compressor Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre	H/M/L/SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output ent	dB(A) dB W L kg m³/min (cfm) W	39 / 33 / 27 / 24 52 RXS35 Ivory / Hermetically See 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2	52 K2V1B White aled Swing Type MEXD 00 50K 50K 50K 50K 250K 250K 250K 250K 250K 250K 250K 260 28.3 (999) 25.6 (904) eller 3	60 RXS50 Ivory Hermetically Sea 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5	61 K2V1B White aled Swing Type 6BXD 100 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) veller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 - 1,566
Bross Weight Operation Sound Dutdoor Unit Casing Color Compressor Refrigerant Dil Arefrigerant Fan Running Curre Power Consur	H/M/L/SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output ent	dB(A) dB W L m³/min (cfm) W W	39 / 33 / 27 / 24 52 RXS35 Ivory / Hermetically See 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38	52 K2V1B White aled Swing Type VAEXD 00 50K 75 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7.02 - 6.63 - 6.44	61 K2V1B White aled Swing Type 6BXD 100 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) beller 3 7.13 - 6.83 - 6.54
Pross Weight Operation Sound Sound Sound Sound Sound Sound Power Dutdoor Unit Casing Color Compressor Refrigerant Dil Airflow Rate Fan Running Curree Power Consur Power Consur Power Factor	H / M / L / SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output ant mption	dB(A) dB W L m³/min (cfm) W W W W	39 / 33 / 27 / 24 52 RXS35 Ivory ¹ Hermetically Sea 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 - 1,005	52 K2V1B White aled Swing Type AEXD 00 50K 75 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 95.1 - 95.8 - 95.1	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7.02 - 6.63 - 6.44 1,523 - 1,523	61 K2V1B White aled Swing Type 6BXD 00 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) veller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8
Pross Weight Operation Sound Data Data Compressor Refrigerant Dil Airflow Rate Fan Running Curree Power Consur Power Consur Starting Curree	H / M / L / SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output ent mption	dB(A) dB W L w kg m³/min (cfm) W W A W % A	39 / 33 / 27 / 24 52 RXS35 Ivory ' Hermetically Sea 1YC23 66 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 96.0 - 95.6 - 95.6 5.	52 K2V1B White aled Swing Type IAEXD 350K 550K 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 - 1,203 95.1 - 95.8 - 95.1 9	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0.1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7.02 - 6.63 - 6.44 1,523 - 1,523 98.6 - 99.9 - 98.5 7	61 K2V1B White aled Swing Type 6BXD 00 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) veller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8 3
Gross Weight Deration Sound Power Dutdoor Unit Casing Color Compressor Compressor Refrigerant Dil Refrigerant Airflow Rate Fan Running Curre Fower Consur Power Consur Power Consur Power Factor Starting Curre Dimensions (F	H / M / L / SL Type Model Motor Output Type Charge H SL Type Motor Output ent mption ft X W x D)	dB(A) dB W L m³/min (cfm) W W W A W A mm	39 / 33 / 27 / 24 52 RXS35 Ivory 1 Hermetically Sea 1YC23 66 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 - 1,005 96.0 - 95.6 - 95.6 5. 550 × 76	52 K2V1B White aled Swing Type IAEXD 100 50K 75 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 - 1,203 95.1 - 95.8 - 95.1 9 35 × 285	60 RXS50 Ivory Hermetically Sea 2YC3 1,1 FVC 0,1 FVC 0,1 7,02 - 6.63 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.9 - 98.5 7 735 × 82	61 K2V1B White aled Swing Type 6BXD 00 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) weller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8 .3 25 × 300
Aross Weight Operation Sound Power Dutdoor Unit Casing Color Compressor Compressor Refrigerant Airflow Rate Fan Power Factor Starting Currer Dimensions (H Packaged Dim	H / M / L / SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output ent mption	dB(A) dB W L w (cfm) W A W A mm	39 / 33 / 27 / 24 52 RXS35 Ivory / Hermetically See 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 - 1,005 96.0 - 95.6 - 95.6 550 × 76 612 × 90	52 K2V1B White aled Swing Type MEXD 00 50K 775 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 - 1,203 95.1 - 95.8 - 95.1 9 35 × 285 36 × 364	60 RXS50 Ivory Hermetically Sea 2YC3 1,1 FVC 0,1 FVC 0,1 7,1 50.9 (1,797) 48.9 (1,727) Prop 5 7.02 - 6.63 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.9 - 98.5 7 735 × 82 797 × 95	61 K2V1B White aled Swing Type 6BXD 00 50K 65 10A 70 45.0 (1,589) 43.1 (1,522) weller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8 3 25 × 300 92 × 390
Gross Weight Operation Sound Sound Power Dutdoor Unit Casing Color Compress	H / M / L / SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output ent mption nt 1 × W × D) nensions (H × W × D)	dB(A) dB W L m³/min (cfm) W A W A mm mm kg	39 / 33 / 27 / 24 52 RXS35 Ivory / Hermetically See 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 - 1,005 96.0 - 95.6 - 95.6 5. 550 × 77 612 × 90 3	52 K2V1B White aled Swing Type MEXD 00 50K 75 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 95.1 - 95.8 - 95.1 9 55 × 285 26 × 364 4	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7,02 - 6.63 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.9 - 98.5 7 735 × 82 797 × 92 4	61 K2V1B White aled Swing Type 6BXD 00 50K 65 10A 70 45.0 (1,589) 43.1 (1,522) weller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8 3 25 × 300 92 × 390 7
Gross Weight Operation Sound Power Dutdoor Unit Casing Color Compressor Compr	H / M / L / SL Type Model Motor Output Type Charge H SL Type Motor Output ent mption nt H × W × D) mensions (H × W × D)	dB(A) dB W L w (cfm) W A W A W A mm kg kg	39 / 33 / 27 / 24 52 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 - 1,005 96.0 - 95.6 - 95.6 550 × 76 612 × 90 3 3	52 52 K2V1B White aled Swing Type MAEXD 300 50K 775 10A 20 28.3 (999) 25.6 (904) eeller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 - 1,203 95.1 - 95.8 - 95.1 9 35 × 285 36 × 364 4 8	60 RXS50 Ivory Hermetically Sea 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7.02 - 6.63 - 6.44 1,523 - 1,523 98.6 - 99.9 - 98.5 7 735 × 82 797 × 95 4 4 5	61 K2V1B White aled Swing Type 6BXD 00 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) veller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8 3 25 × 300 92 × 390 7 2
Gross Weight Operation Sound Power Outdoor Unit Casing Color Compressor Compressor Refrigerant Oil Refrigerant Airflow Rate Fan Running Curre Power Consur Power Factor Starting Curren Dimensions (H Packaged Dim Weight Gross Weight Operation	H / M / L / SL Type Model Motor Output Type Charge Type Charge H SL Type Motor Output ent mption nt 1 × W × D) nensions (H × W × D)	dB(A) dB W L m³/min (cfm) W A W A mm mm kg	39 / 33 / 27 / 24 52 RXS35 Ivory / Hermetically See 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 - 1,005 96.0 - 95.6 - 95.6 5. 550 × 77 612 × 90 3	52 K2V1B White aled Swing Type MEXD 00 50K 75 10A 20 28.3 (999) 25.6 (904) eller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 95.1 - 95.8 - 95.1 9 55 × 285 26 × 364 4	60 RXS50 Ivory Hermetically Sec 2YC3 1,1 FVC 0,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7,02 - 6.63 - 6.44 1,523 - 1,523 - 1,523 98.6 - 99.9 - 98.5 7 735 × 82 797 × 92 4	61 K2V1B White aled Swing Type 6BXD 00 50K 65 10A 70 45.0 (1,589) 43.1 (1,522) weller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8 3 25 × 300 92 × 390 7
Gross Weight Operation Sound Power Outdoor Unit Casing Color Compressor Compr	H / M / L / SL Type Model Motor Output Type Charge H SL Type Motor Output ent mption nt H × W × D) mensions (H × W × D)	dB(A) dB W L w (cfm) W A W A W A mm kg kg	39 / 33 / 27 / 24 52 RXS35 Ivory Hermetically Sec 1YC23 60 FVC 0.3 R-4 1.2 36.0 (1,271) 30.1 (1,063) Prop 2 4.76 - 4.57 - 4.38 1,005 - 1,005 - 1,005 96.0 - 95.6 - 95.6 550 × 76 612 × 90 3 3	52 52 K2V1B White aled Swing Type MAEXD 300 50K 775 10A 20 28.3 (999) 25.6 (904) eeller 3 5.75 - 5.46 - 5.27 1,203 - 1,203 - 1,203 95.1 - 95.8 - 95.1 9 35 × 285 36 × 364 4 8	60 RXS50 Ivory Hermetically Sea 2YC3 1,1 FVC 0,1 R-4 1. 50.9 (1,797) 48.9 (1,727) Prop 5 7.02 - 6.63 - 6.44 1,523 - 1,523 98.6 - 99.9 - 98.5 7 735 × 82 797 × 95 4 4 5	61 K2V1B White aled Swing Type 6BXD 00 550K 65 10A 70 45.0 (1,589) 43.1 (1,522) veller 3 7.13 - 6.83 - 6.54 1,566 - 1,566 99.8 - 99.7 - 99.8 3 25 × 300 92 × 390 7 2

Note: The data are based on the conditions shown in the table below.

I ne data are based on the conditions shown in the table below.			
Cooling	Heating	Piping Length	
Indoor ; 27°CDB / 19°CWB Outdoor ; 35°CDB / 24°CWB	Indoor ; 20°CDB Outdoor ; 7°CDB / 6°CWB	5 m	

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

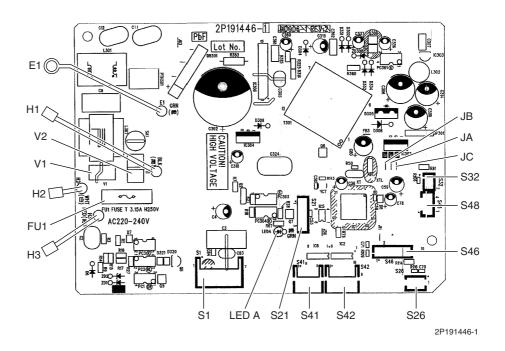
Part 3 Printed Circuit Board Connector Wiring Diagram

1.	Indo	or Unit	26
2.	Outo	loor Unit	28
	2.1	RK(X)S25/35F2V1B	28
	2.2	RK(X)S25/35G2V1B	30
	2.3	RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B,	
		RXS25K3V1B	32
	2.4	RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B	34
	2.5	RXS50K2V1B	36

1. Indoor Unit

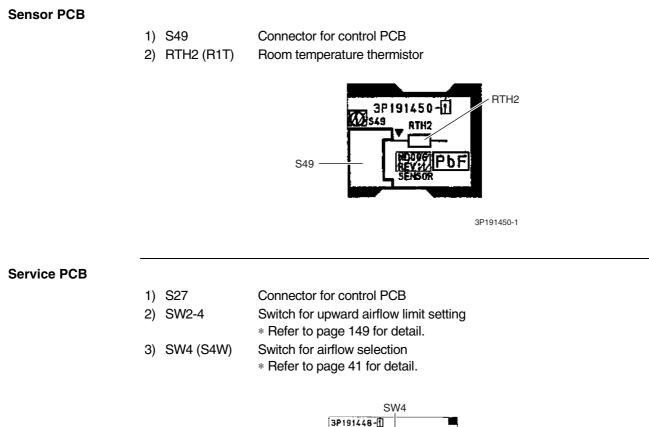
Control PCB

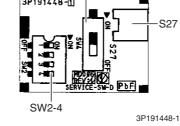
1) S1	Connector for fan motor
2) S21	Connector for centralized control (HA)
3) S26	Connector for service PCB
4) S32	Connector for indoor heat exchanger thermistor
5) S41	Connector for lower air outlet motor
6) S42	Connector for swing motor
7) S46	Connector for display PCB
8) S48	Connector for sensor PCB
9) H1, H2, H3	Connector for terminal board
10) E1	Connector for earth
11) V1, V2	Varistor
12) JA	Address setting jumper
	* Refer to page 146 for detail.
13) JB	Fan speed setting when compressor stops for thermostat OFF
JC	Power failure recovery function
	* Refer to page 149 for detail.
14) FU1 (F1U)	Fuse (3.15A, 250V)
15) 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.



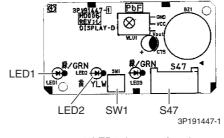


Display PCB

- 1) S47
- 2) SW1 (S1W) Forced operation ON/OFF button

Connector for control PCB

- 3) LED1 (H1P) LED for operation (green)
- 4) LED2 (H2P) LED for timer (yellow)

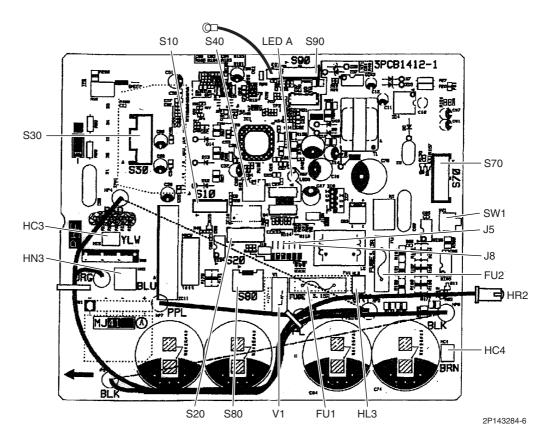


★ LED3 does not function.

2. Outdoor Unit2.1 RK(X)S25/35F2V1B

Main PCB

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 149 for detail.
14)) J8	Jumper for facility setting
		* Refer to page 146 for detail.
15)) SW1	Forced cooling operation ON/OFF switch
		* Refer to page 142 for detail.





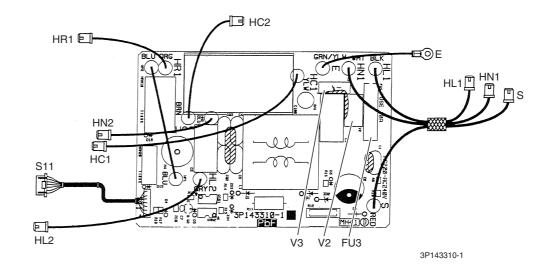
Replace the PCB if you accidentally cut the jumpers other than J5 and J8.

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

Filter PCB

1) S11 Connector for main PCB

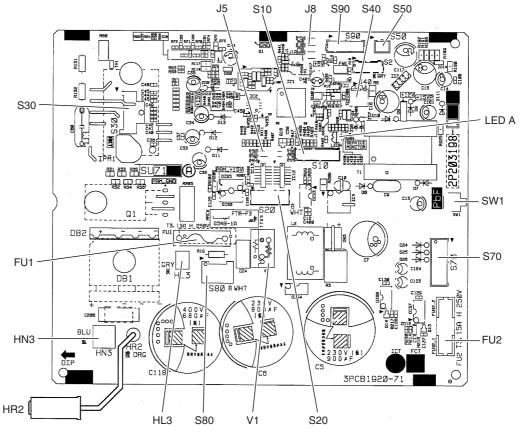
- 2) HL1, HN1, S Connector for terminal board
- 3) E Terminal for earth
- 4) HC1, HC2 Connector for main PCB
- HL2, HN2 5) HR1 Connector for reactor
- 6) FU3 Fuse (20 A, 250 V)
- 7) V2, V3 Varistor



2.2 RK(X)S25/35G2V1B

Main PCB

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 149 for detail.
15) J8	Jumper for facility setting Refer to page 146 for detail.
16) SW1	Forced cooling operation ON/OFF switch * Refer to page 142 for detail.



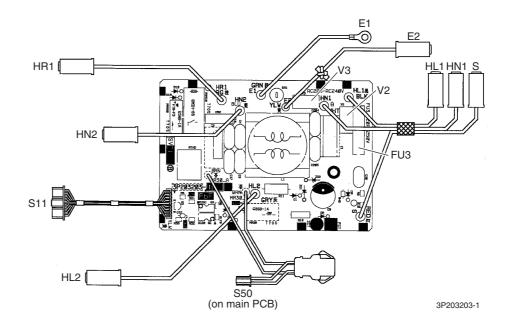
2P203198-1



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

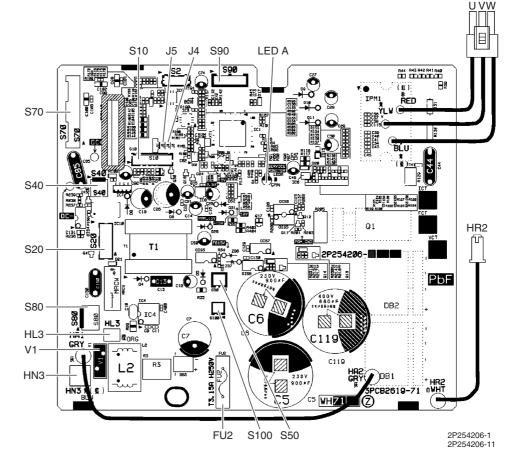
1) S11	Connector for main PCB
2) HL1, HN1, S	Connector for terminal board
3) E1	Terminal for earth
4) E2	Connector for terminal board (earth)
5) HL2, HN2	Connector for main PCB
6) HR1	Connector for reactor
7) FU3	Fuse (20 A, 250 V)
8) V2, V3	Varistor



2.3 RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B

Main PCB

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 146 for detail.
16)J5	Jumper for improvement of defrost performance
	* Refer to page 149 for detail.

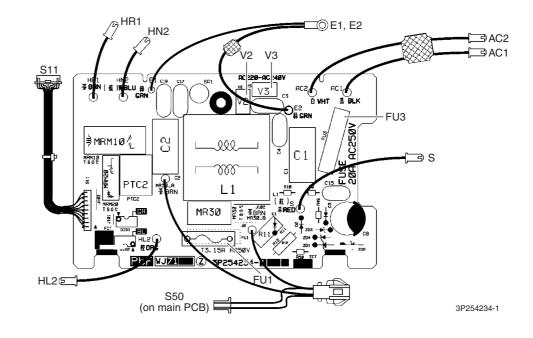




Replace the PCB if you accidentally cut the jumpers other than J4 and J5. Jumpers are necessary for electronic circuit. Improper operation may occur if you cut any of them.

Filter PCB

1) S11	Connector for main PCB
2) AC1, AC2, S	Connector for terminal board
3) E1, E2	Terminal for earth wire
4) HL2, HN2	Connector for main PCB
5) HR1	Connector for reactor
6) FU1	Fuse (3.15 A, 250 V)
7) FU3	Fuse (20 A, 250 V)
8) V2, V3	Varistor



Forced Operation Button PCB

1) S110

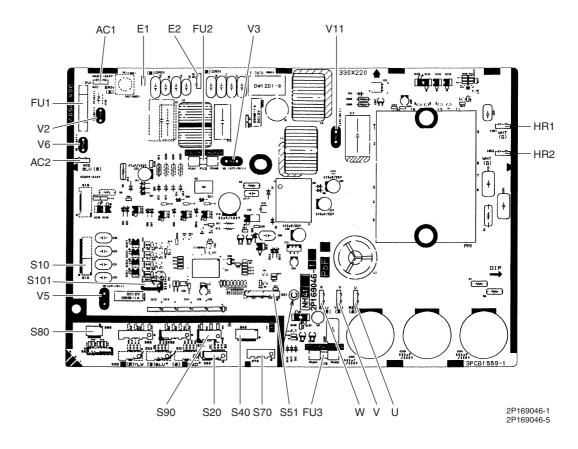
- Connector for main PCB
- 2) SW1 Forced cooling operation ON/OFF switch
 - * Refer to page 142 for detail.



2.4 RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B

Main PCB

1) S10	Connector for terminal board (indoor-outdoor transmission)
2) S20	Connector for electronic expansion valve coil
3) S40	Connector for overload protector
4) S51, S101	Connector for service monitor PCB
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) AC1, AC2	Connector for terminal board (power supply)
9) E1, E2	Connector for earth
10) HR1, HR2	Connector for reactor
11) U, V, W	Connector for compressor
12) FU1	Fuse (30 A, 250 V)
13) FU2, FU3	Fuse (3.15 A, 250 V)
14) V2, V3, V5 V6, V11	Varistor

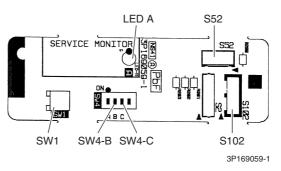


Service Monitor

- 6	- 1	-	D
		-	_

1) S52, S102	Connector for main PCB
2) LED A	LED for service monitor (green)
3) SW1	Forced cooling operation ON/OFF switch
	* Refer to page 142 for detail.
4) SW4-B	Switch for facility setting
	* Refer to page 146 for detail
SW4-C	Switch for improvement of defrost performance
	· Defende neme 140 femeleteil

* Refer to page 149 for detail.

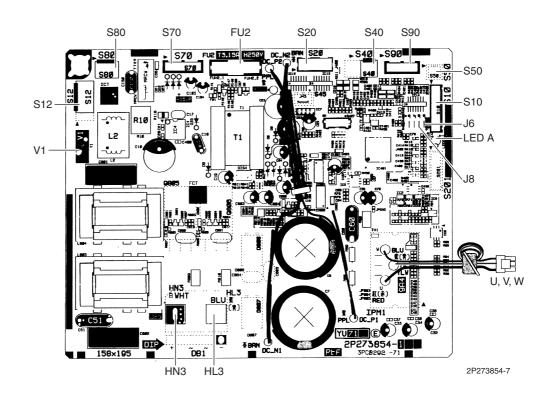


★ SW4-A has no function. Keep it OFF.

2.5 RXS50K2V1B

Main PCB

1) S10	Connector for [S11] on filter PCB
2) S12	Connector for [HL4] [HN4] on filter PCB
3) S20	Connector for electronic expansion valve coil
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 [HL2] [HN2] on filter PCB
10)U, V, W	Terminal for compressor
11)FU2	Fuse (3.15 A, 250 V)
12)LED A	LED for service monitor (green)
13)V1	Varistor
14)J6	Jumper for facility setting
	* Refer to page 146 for detail.
15)J8	Jumper for improvement of defrost performance
	* Refer to page 149 for detail.



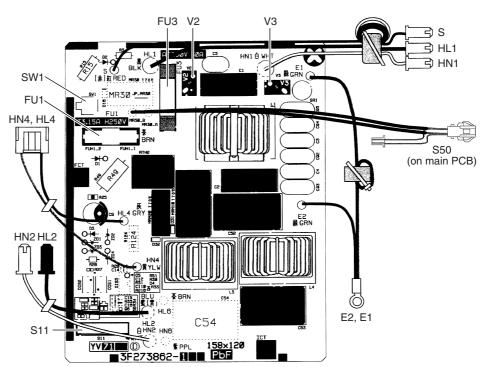
Caution

Replace the PCB if you accidentally cut the jumpers other than J6 and J8.

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

Filter PCB

1) S11	Connector for [S10] on main PCB
2) HL1, HN1, S	Connector for terminal board
3) E1, E2	Terminal for earth wire
4) HL2, HN2	Connector for [HL3] [HN3] on main PCB
5) HL4, HN4	Connector for [S12] on main PCB
6) FU1	Fuse (3.15 A, 250 V)
7) FU3	Fuse (30 A, 250 V)
8) V2, V3	Varistor
9) SW1	Forced cooling operation ON/OFF switch * Refer to page 142 for detail.



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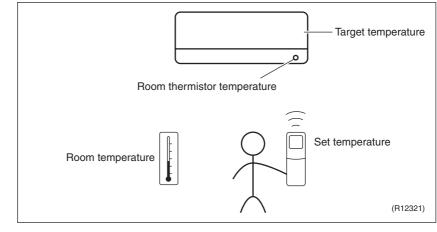
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	3.7	Heating Peak-cut Control	.65
	3.8	Outdoor Fan Control	.66
	3.9	Liquid Compression Protection Function	.66
	3.10	Defrost Control	
	3.11	Electronic Expansion Valve Control	.68
		Malfunctions	

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



 \star The illustration is for wall mounted type as representative.

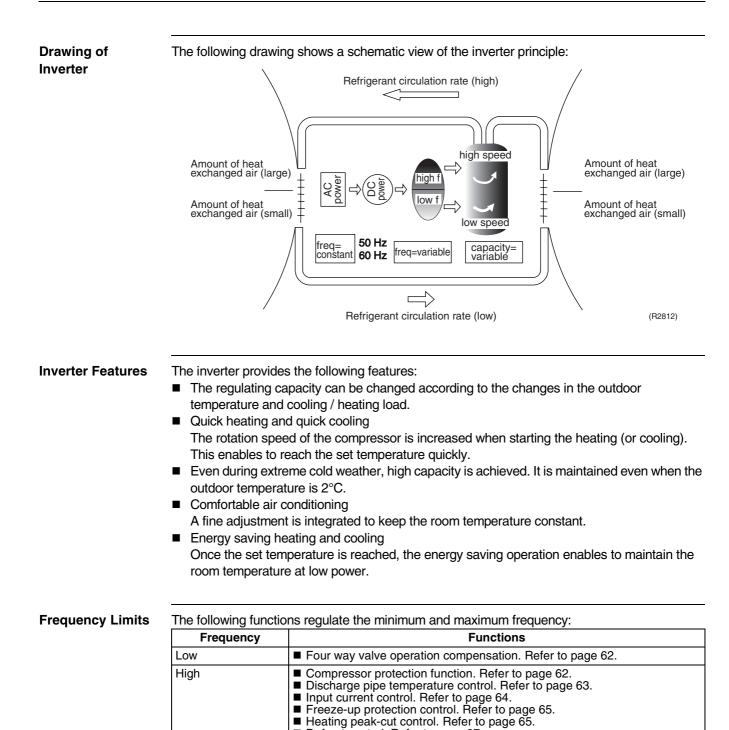
Temperature Control

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".

1.2 Frequency Principle

Main Control Parameters	■ The lo	uency of the compressor is controlled by the following 2 parameters: bad condition of the operating indoor unit ifference between the room thermistor temperature and the target temperature			
Additional Control Parameters	FrequInitial	et frequency is adapted by additional parameters in the following cases: lency restrictions settings Id cooling operation			
		ate 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.			

exchange per unit.



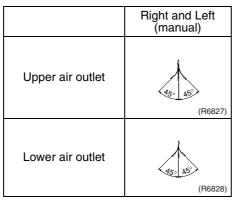
Defrost control. Refer to page 67.

Forced Cooling
Operation

Refer to page 142 for detail.

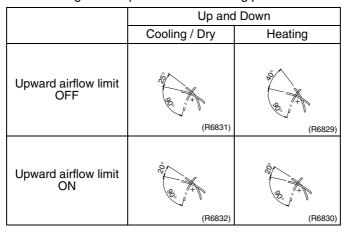
1.3 Airflow Direction Control

Wide-Angle Louvers The louvers, made of elastic synthetic resin, provide a wide range of airflow that guarantees a comfortable air distribution.



Auto-Swing

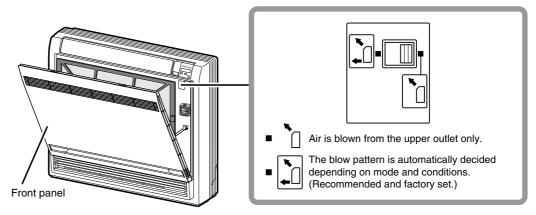
The following table explains the auto-swing process for cooling, dry, and heating :



Airflow Selection Setting

Airflow direction can be set with the airflow selection switch.

Open the front panel.



Before opening the front panel, be sure to stop the operation and turn the breaker off. Do not touch the aluminum fins (indoor heat exchanger) inside of the indoor unit, as it may result in injury.

(R17866)

When setting the airflow selection switch to ↓.
The air conditioner automatically decides the appropriate blowing pattern depending on the operating mode / situation.

Operating mode	Situation	Blowing pattern			
Cooling operation	• When the room has become fully cool, or when 1 hour has passed since turning on the air conditioner.	• Air is blown from the upper air outlet, so that air does not come into direct contact with people, and room temperature is equalized.			
	• At the start of operation or when the room is not fully cooled.	\sim			
Heating operation	Normal time	 (R17867) Air is blown from the upper and lower air outlets for high speed cooling during cooling operation, and for filling the room with warm air during heating operation. 			
	At the start or when air temperature is low.	• Air is blown from the upper air outlet, so that air does not come into direct contact with people.			

• During Dry operation, air is blown upper air outlet, so that cold air does not come into direct contact with people.

When setting the airflow selection switch to $\$.

- Regardless of the operating mode or situation, air is blown from the upper air outlet.
- Use this switch when you do not want air coming out of the lower air outlet. (e.g., while sleeping)

1.4 Fan Speed Control for Indoor Unit

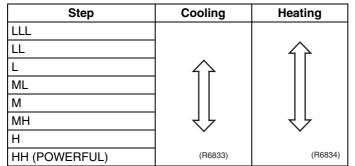
Outline

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. This is done through phase control and Hall IC control.

For more information about Hall IC, refer to the troubleshooting for fan motor on page 85.

Automatic Fan Speed Control

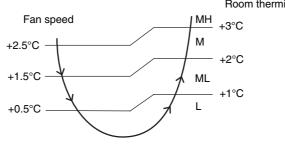
In automatic fan speed operation, the step "SL" is not available.



= The airflow rate is automatically controlled within this range when the [FAN] setting button is set to <u>automatic</u>.

<Cooling>

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



Room thermistor temperature - target temperature

(R14182)

<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.



During POWERFUL operation, the fan rotates at H tap + 40 rpm.
 The fan stops during defrost control.

1.5 Program Dry Operation

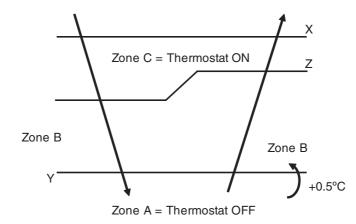
Outline

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.

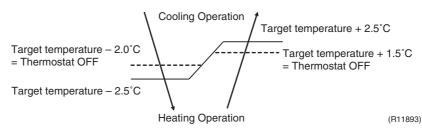
The unit automatically switches the operation mode to maintain the room temperature at the set temperature.

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 $\ensuremath{\mathsf{ON/OFF}}$ 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°C: Thermostat OFF \rightarrow 22°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

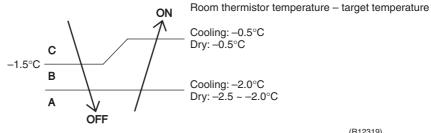
Thermostat OFF Condition

• The temperature difference is in the zone A.

Thermostat ON Condition

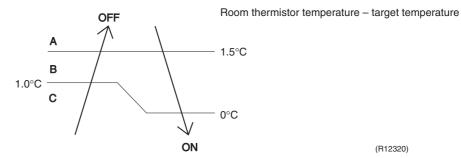
- The temperature difference returns to the zone C after being in the zone A. ٠
- The system resumes from defrost control in any zones except A.
- The operation turns on in any zones except A. ٠
- The monitoring time has passed while the temperature difference is in the zone B. (Cooling / Dry: 10 minutes,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

<Cooling / Dry>



(R12319)

<Heating>



(R12320)



Refer to "Temperature Control" on page 39 for detail.

1.8 NIGHT SET Mode

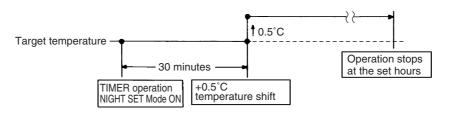
Outline

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

Detail

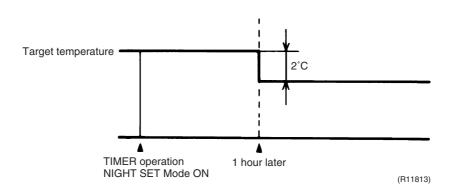
The NIGHT SET Mode continues operation at the target temperature for the first one hour, then automatically raises the target temperature slightly in the case of cooling, or lowers it slightly in the case of heating. This prevents excessive cooling in summer and excessive heating in winter to ensure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

<Cooling>



(R18034)

<Heating>



1.9 ECONO Operation

Outline

ECONO operation reduces the maximum operating current and the power consumption. This operation is particularly convenient for energy-saving-oriented users. It is also a major bonus for those whose breaker capacities do not allow the use of multiple electrical devices and air conditioners.

It is easily activated from the wireless remote controller by pushing the [ECONO] button.

Detail

- When this function is activated, the maximum capacity also decreases.
- The remote controller can send the ECONO command when the unit is in cooling, heating, dry, or automatic operation. This function can only be set when the unit is running. Pressing the [ON/OFF] button on the remote controller cancels the function.
- This function and POWERFUL operation cannot be used at the same time. The latest command has the priority.

Power consumption and current	\square	Maximum during normal operation	
	Normal	Maximum during ECONO exercition	
	ECONO Operation	Maximum during ECONO operation	
	Time		
		(R9288)	

1.10 Inverter POWERFUL Operation

Outline

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

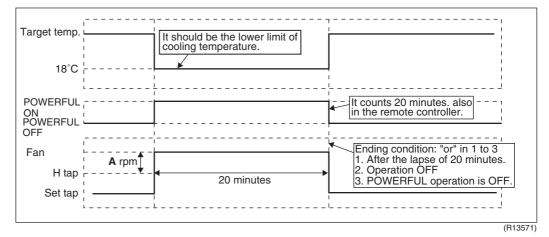
Detail

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	32°C
FAN	H tap + A rpm	—
AUTO	Same as cooling / heating in POWERFUL operation	The target temperature is kept unchanged.

A = 40 rpm

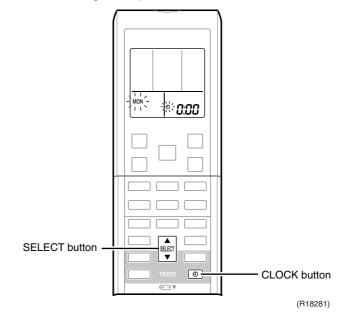
Ex: POWERFUL operation in cooling



1.11 Clock Setting

ARC452 Series

- The clock can be set by taking the following steps:
- 1. Press the [CLOCK] button. \rightarrow []:[][] is displayed and **MON** and ④ blink.
- 2. Press the [SELECT] ▲ or ▼ button to set the clock to the current day of the week.
- 3. Press the [CLOCK] button.
 - \rightarrow \bigcirc blinks.
- Press the [SELECT] ▲ or ▼ button to set the clock to the present time.
 Holding down the [SELECT] ▲ or ▼ button increases or decreases the time display rapidly.
- 5. Press the [CLOCK] button. (Point the remote controller at the indoor unit when pressing the button.)
 - \rightarrow blinks and clock setting is completed.



1.12 WEEKLY TIMER Operation

Outline

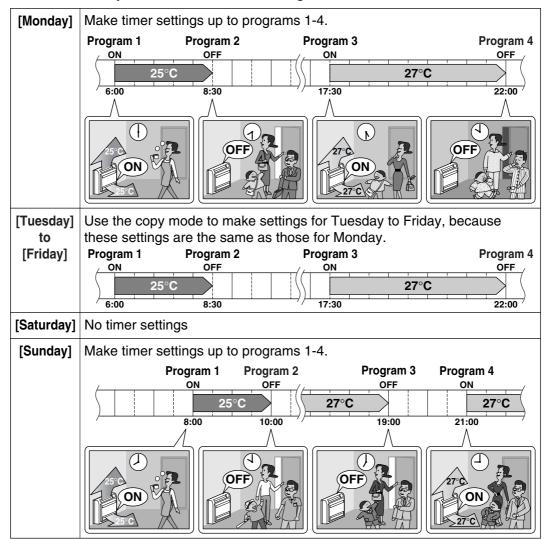
Up to 4 timer settings can be saved for each day of the week (up to 28 settings in total). The 3 items: "ON/OFF", "temperature", and "time" can be set.

Detail

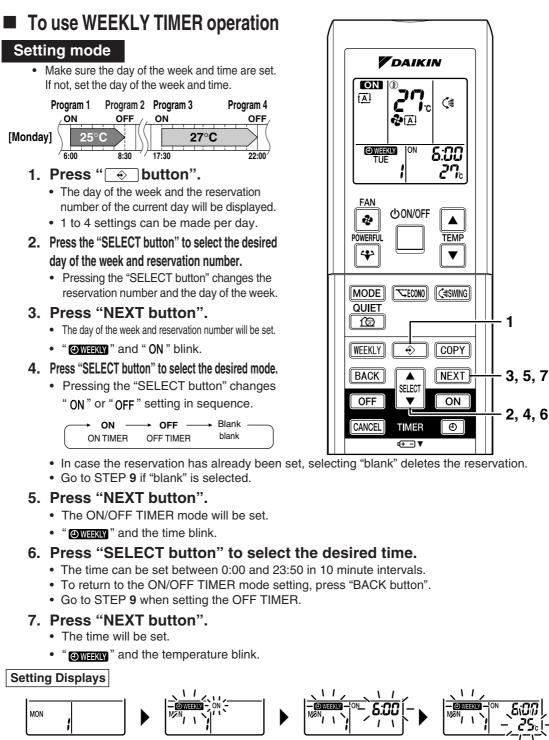
Using in these cases of WEEKLY TIMER

An example of WEEKLY TIMER settings is shown below.

Example: The same timer settings are made for the week from Monday through Friday while different timer settings are made for the weekend.



- Up to 4 reservations per day and 28 reservations per week can be set in the WEEKLY TIMER. The effective use of the copy mode ensures ease of making reservations.
- The use of ON-ON-ON settings, for example, makes it possible to schedule operating mode and set temperature changes. Furthermore, by using OFF-OFF-OFF-OFF settings, only the turn-OFF time of each day can be set. This will turn OFF the air conditioner automatically if the user forgets to turn it OFF.



Day and number settings

ON/OFF settings

Time settings

Temperature settings

8. Press "SELECT button" to select the desired temperature.

- The temperature can be set between 10°C and 32°C.
 Cooling: The unit operates at 18°C even if it is set at 10 to 17°C.
 Heating: The unit operates at 30°C even if it is set at 31 to 32°C.
- To return to the time setting, press "BACK button".
- The set temperature is only displayed when the mode setting is on.

9. Press "NEXT button".

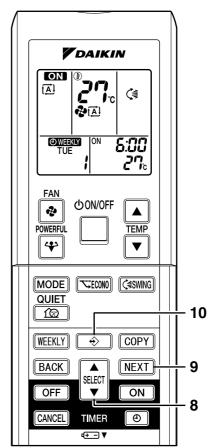
- The temperature will be set and go to the next reservation setting.
- To continue further settings, repeat the procedure from STEP 4.
- 10.Press "⊕ button" to complete the setting.
 - Be sure to direct the remote controller toward the indoor unit and check for a receiving tone and flashing the operation lamp.
 - "OWEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.
 - The TIMER lamp lights up.

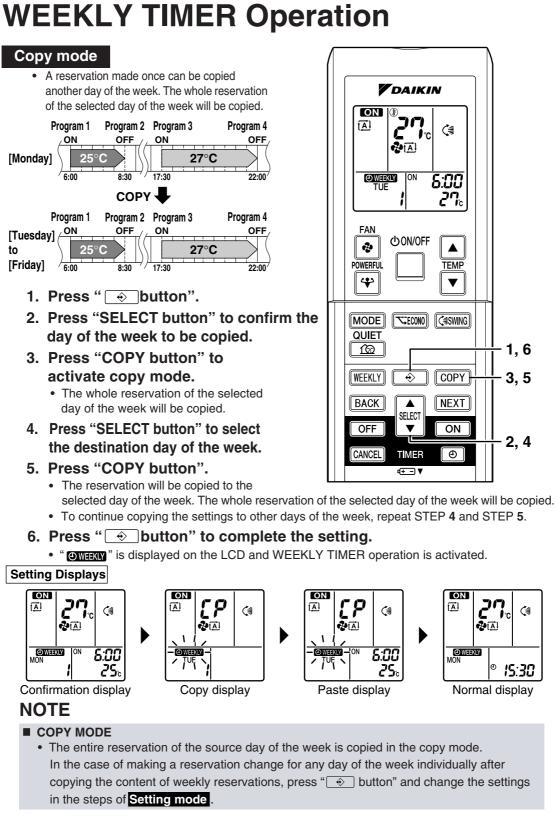
• A reservation made once can be easily copied and the same settings used for another day of the week. Refer to Copy mode.

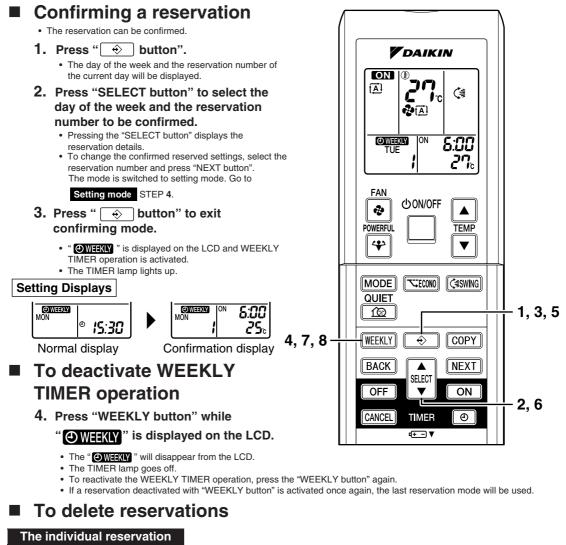
NOTE

Notes on WEEKLY TIMER operation

- Do not forget to set the clock on the remote control first.
- The day of the week, ON/OFF TIMER mode, time and set temperature (only for ON TIMER mode) can be set with WEEKLY TIMER. Other settings for ON TIMER are based on the settings just before the operation.
- Both WEEKLY TIMER and ON/OFF TIMER operation cannot be used at the same time. The ON/OFF TIMER operation has priority if it is set while WEEKLY TIMER is still active. The WEEKLY TIMER will go into standby state, and "OWEEKLY " will disappear from the LCD. When ON/OFF TIMER is up, the WEEKLY TIMER will automatically become active.
- Shutting the breaker off, power failure, and other similar events will render operation of the indoor unit's internal clock inaccurate. Reset the clock.
- The "BACK button" can be used only for the time and temperature settings. It cannot be used to go back to the reservation number.







- Refer to Setting mode
 - When selecting desired mode at STEP 4 in setting mode, select "blank". The reservation will be deleted.

The reservations for each day of the week

- This function can be used for deleting reservations for each day of the week.
- 5. Press " → button".
- 6. Select the day of the week to be canceled with the "SELECT button".
- **7.** Hold the "WEEKLY button" for 5 seconds.
 - The reservation of the selected day of the week will be deleted.

All reservations

- **8.** Hold "WEEKLY button" for 5 seconds while normal display.
 - Be sure to direct the remote control toward the main unit and check for a receiving tone.
 - This operation is not effective while WEEKLY TIMER is being set.
 - All reservations will be deleted.

1.13 Other Functions

1.13.1 Hot-Start Function

In order to prevent the cold air blast that normally comes when heating operation is started, the temperature of the indoor heat exchanger is detected, and the airflow is either stopped or made very weak thereby carrying out comfortable heating of the room.

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

1.13.2 Signal Receiving Sign

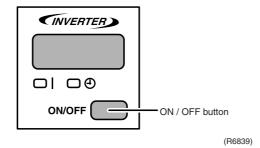
When the indoor unit receives a signal from the remote controller, the unit emits a signal receiving sound.

1.13.3 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



<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. Befer to page 142 for detail

Refer to page 142 for detail.



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

1.13.4 Titanium Apatite Photocatalytic Air-Purifying Filter

This filter combines the Air-Purifying Filter and Titanium Apatite Photocatalytic Deodorizing Filter as a single highly effective filter. The filter traps microscopic particles, decompose odors and even deactivates bacteria and viruses. It lasts for 3 years without replacement if washed about once every 6 months.

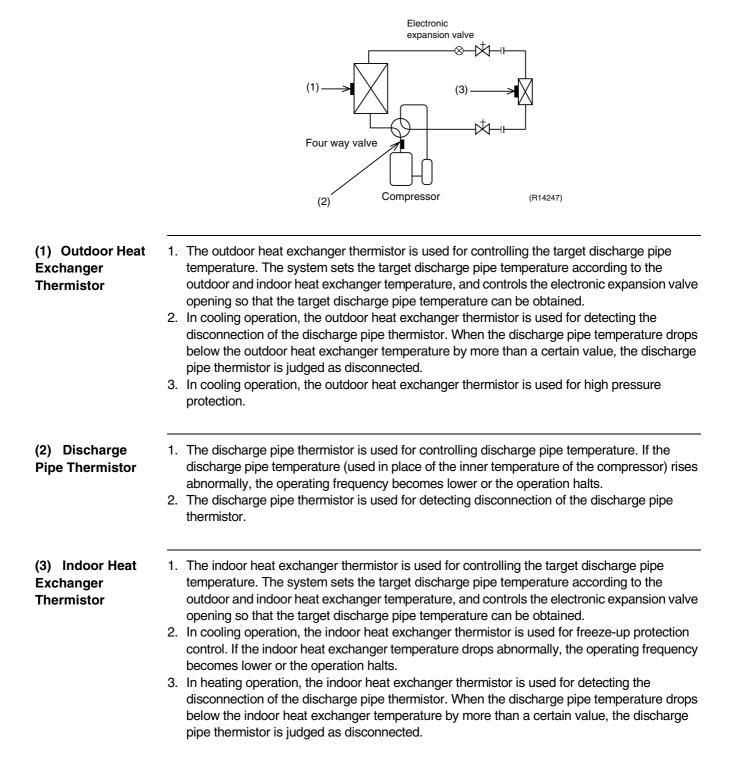
1.13.5 Auto-restart Function

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

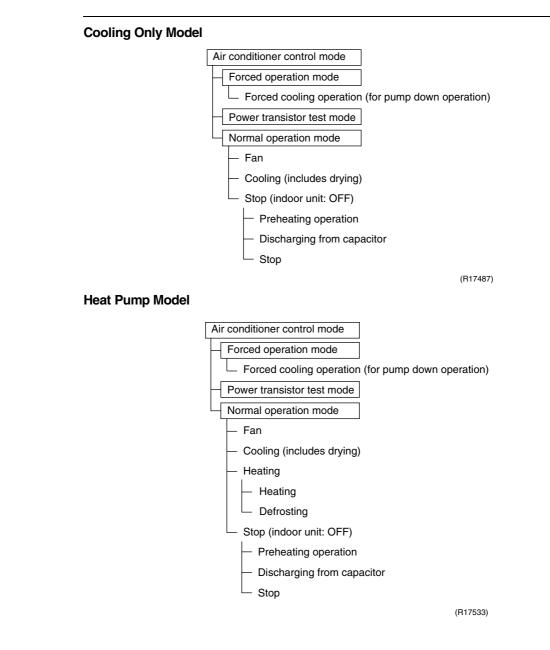


3. Control Specification 3.1 Mode Hierarchy

Outline

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

Detail





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

3.2 Frequency Control

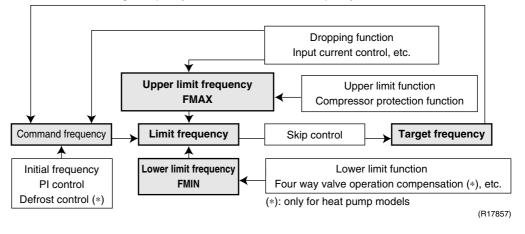
Outline

Frequency is determined according to the difference between the room thermistor temperature and the target temperature.

The function is explained as follows.

- 1. How to determine frequency
- Frequency command from the indoor unit (Difference between the room thermistor temperature and the target temperature)
- 3. Frequency initial setting
- 4. PI control

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



Detail

How to Determine Frequency

The compressor's frequency is determined by taking the following steps.

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.

Indoor Frequency Command (△D signal)

The difference between the room thermistor temperature and the target temperature is taken 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	*Th 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	Α	5.0	E
-0.5	3	1.5	7	3.5	В	5.5	F

*Th OFF = Thermostat OFF

Frequency Initial Setting

<Outline>

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

Q value: Indoor unit output determined from indoor unit volume, airflow rate and other factors.

PI Control (Determine Frequency Up / Down by ΔD Signal)

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 limiting 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)S25/35F2V1B, 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, RXS25/35K2V1B, RXS25K3V1B RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B, RXS50K2V1B

Outdoor temperature $\ge \mathbf{A}^{\circ}\mathbf{C} \rightarrow \text{Control I}$ Outdoor temperature $< \mathbf{A}^{\circ}\mathbf{C} \rightarrow \text{Control II}$

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°C Radiation fin temperature ≥ 90°C

	A (°C)	B (°C)	C (°C)	D (°C)	E (°C)
RK(X)S25/35G2V1B9 RXS25/35J2V1B RXS25K2V1B	7	10	12	20	22
RK(X)S50F2V1B RK(X)S50G2V1B RXS50J2V1B	10	6	8	10.5	12
RXS25K3V1B RXS35/50K2V1B	-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 150 ~ 160 seconds after the operation is stopped.

3.3.3 Four Way Valve Operation Compensation

Outline

At the beginning of the operation as the four way valve is switched, the pressure difference to activate the four way valve is acquired by having output frequency which is more 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.

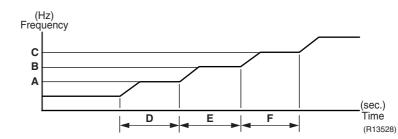
	25/35	class	50 class		
	Cooling	Heating	Cooling	Heating	
A (Hz)	68	66	48		
B (seconds)	4	5	7	0	

3.3.4 3-minute Standby

Turning on the compressor is prohibited for 3 minutes after turning it off. (Except 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.)



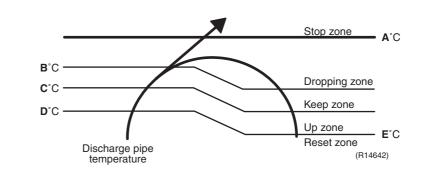
	25/35 class	50 class
A (Hz)	48	55
B (Hz)	64	70
C (Hz)	88	85
D (seconds)	240	120
E (seconds)	360	200
F (seconds)	180	470

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.

	25/35 class	50 class
A (°C)	110	110
B (°C)	105	103
C (°C)	101	101.5
D (°C)	99	100
E (°C)	97	95

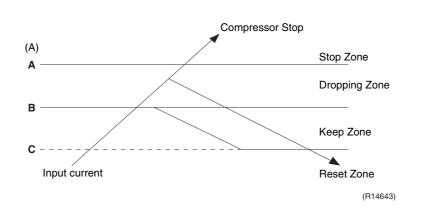
3.5 Input Current Control

Outline

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

In case of heat pump models, this control which is the upper limit control of the frequency takes priority over the lower limit of 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)S25F2V1B		RK(X)S2	5G2V1B	RK(X)S2 RXS25	5G2V1B9 5J2V1B		K2V1B K3V1B
	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
A (A)	9.25		9.25		9.25		9.25	
B (A)	6.0	7.5	6.5	7.5	6.25 7.5		7.5 7.5	
C (A)	5.25	6.75	5.75	6.75	5.5	6.75	6.75	

	RK(X)S35F2V1B RK(X)S35G2V1B				RK(X)S50F2V1B RK(X)S50G2V1B RXS50J2V1B		RXS50K2V1B	
	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
A (A)	9.:	25	9.25		20.0		20.0	
B (A)	7.25	8.25	8.	25	10.0	15.0	13.0	15.0
C (A)	6.5	7.5	7.5		9.0	14.0	12.0	14.0

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).

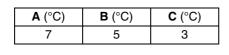
(R14718)

3.6 Freeze-up Protection Control

Outline

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.)

Detail



Keep zone

Stop zone

Dropping zone

B°C

C°C

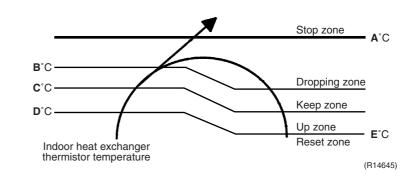
0°C

3.7 Heating Peak-cut Control

Outline

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

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.

	25/35 class	50 class
A (°C)	65	65
B (°C)	56	56
C (°C)	53	55
D (°C)	51	53
E (°C)	46	51

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 obtain the dependability of the compressor, the compressor is stopped according to the outdoor temperature and the outdoor heat exchanger temperature.

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.

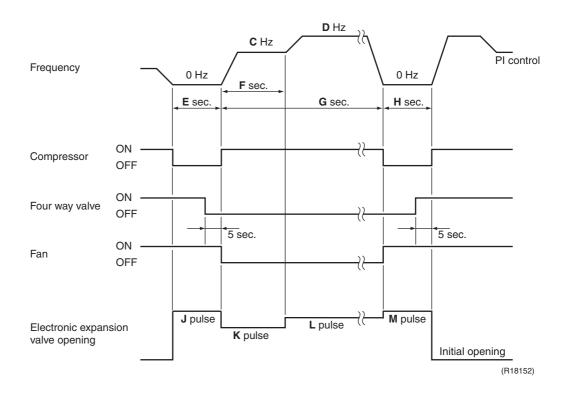
Detail

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)



	RXS25/35F2V1B	RXS25/35G2V1B RXS25/35G2V1B9 RXS25/35J2V1B	RXS25K2V1B RXS25K3V1B	RXS35K2V1B	RXS50F2V1B RXS50G2V1B	RXS50J2V1B	RXS50K2V1B
A (minutes)	28	28	28	28	44	44	44
B (°C)	4 ~ 18	4 ~ 18	4 ~ 18	4 ~ 18	4 ~ 12	4 ~ 12	4 ~ 12
C (Hz)	74	76	68	76	55	55	55
D (Hz)	86	86	86	86	90	90	90
E (seconds)	50	50	50	50	60	60	60
F (seconds)	60	60	60	60	120	120	120
G (seconds)	480	480	480	480	340	340	340
H (seconds)	50	60	50	60	30	50	50
J (pulse)	450	450	450	450	450 ★	450 ★	450
K (pulse)	350 ★	350 ★	350	200	450 ★	450 ★	350 ★
L (pulse)	350 ★	350 ★	400	300	450 ★	450 ★	350 ★
M (pulse)	450	450	450	450	450 ★	450 ★	450

 \star : 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.

● : Holding Functions	When the power turns on or when the compressor stops	When the operation starts	When the frequency changes under starting control	During target discharge pipe temperature control	When the frequency changes under target discharge pipe temperature control	When the disconnection of the discharge pipe thermistor is ascertained	When the frequency changes under the control for disconnection of the discharge pipe thermistor	Under defrost control
- : No Functions	When stops	ЧМ	ЧМ	Dui	Wh pip	Wh the	Uh disc	ли
Cooling								
Starting control	-	•	-	_	-	-	-	-
Control when the frequency changes	-	Ι	•	-	•	-	-	Ι
Target discharge pipe temperature control	-	-	-	•	-	-	-	-
Control for disconnection of the discharge pipe thermistor	-	-	-	-	-	•	•	-
High discharge pipe temperature control	-	•	•	•	•	-	-	-
Pressure equalizing control	•	Ι	-	-	-	-	-	Ι
Opening limit control	_	•	•	•	•	•	•	I
Heating								
Starting control	-	٠	-	-	-	-	-	-
Control when the frequency changes	-	-	•	-	•	-	-	-
Target discharge pipe temperature control	-	-	-	•	-	-	-	-
Control for disconnection of the discharge pipe thermistor	-	I	-	-	-	•	•	I
High discharge pipe temperature control	-	•	•	•	•	_	-	_
Defrost control	-	_	-	-	-	-	-	•
Pressure equalizing control	•	_	-	-	-	-	_	_
Opening limit control	-	•	•	•	•	•	•	I

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 equalization is developed.

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

Outline

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

Detail

	25/35 class	50 class
Maximum opening (pulse)	480	480
Minimum opening (pulse)	52	54

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, and prevents 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 is changed 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 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 Control for Disconnection of the Discharge Pipe Thermistor

OutlineThe disconnection of the discharge pipe thermistor is detected by comparing the di temperature with the condensation temperature. If the discharge pipe thermistor is disconnected, the electronic expansion valve opens according to the outdoor temp the operation frequency, operates for a specified time, and then stops. After 3 minutes, the operation restarts and checks if the discharge pipe thermistor disconnected. If the discharge pipe thermistor is disconnected, the system stops at for a specified time. If the disconnection is detected repeatedly, the system is shut down. When the com for 60 minutes without any error, the error counter is reset.						
Detail	for disconnection the following adju 1. When the ope When the foll ascertained. Discharge pip 2. When the ope When the foll ascertained.	ipe thermistor (C se ling ulfilled, the discharg C < outdoor heat ea	conds) starts. When ye pipe thermistor d kchanger temperatu ye pipe thermistor d	isconnection is ire isconnection is		
		25/35 class	RK(X)S50F2V1B RK(X)S50G2V1B RXS50J2V1B	RXS50K2V1B		
	A (seconds)	10	10	60		
	B (seconds)	120	30	30		
	C (seconds)	810	540	540		

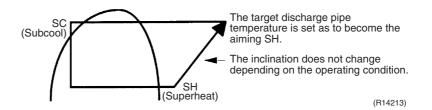
Adjustment when the thermistor is disconnected

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 adjusted every 20 seconds. The target discharge pipe temperature is controlled by indoor heat exchanger temperature and outdoor heat exchanger temperature. The opening degree of the electronic expansion valve is controlled 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 may occur in the thermistor.

Relating to Thermistor Malfunction

- 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 ~ 20 A (depending on the model), the system shuts down the compressor.

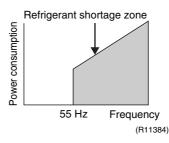
3.12.3 Refrigerant Shortage Control

Outline

I: Detecting by power consumption

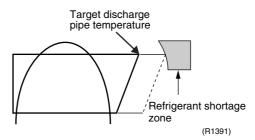
If the power consumption is below the specified value and the frequency is higher than the specified frequency, it is regarded as refrigerant shortage.

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.

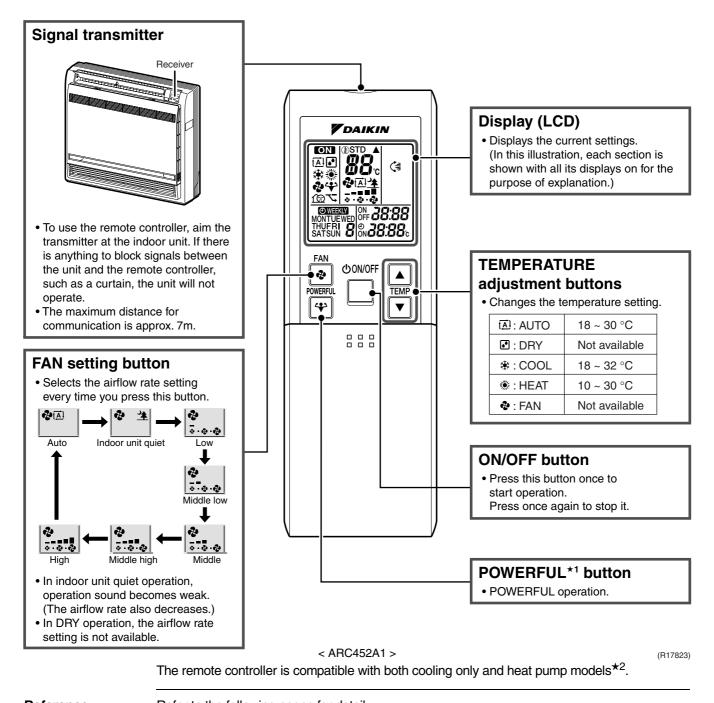


Refer to page 88 for detail.

Part 5 Remote Controller

1.	FVXS25/35/50FV1B	73

1. FVXS25/35/50FV1B



Reference

Refer to the following pages for detail.						
★1	POWERFUL operation	P.49				

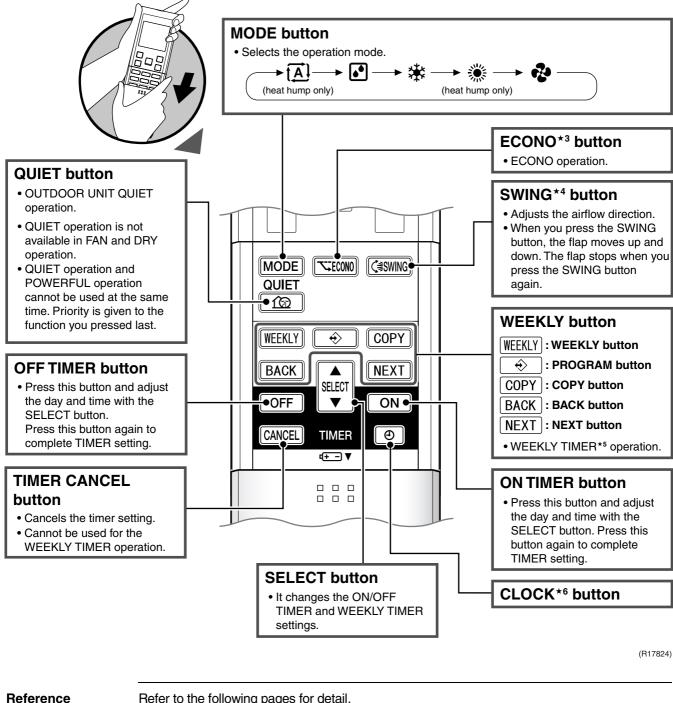
★1	POWERFUL operation	P.49
★2	Model Type Setting	P.146

Note:

Refer to the operation manual of applicable model for detail. You can download operation manual from 'DISTRIBUTOR'S PAGE': DISTRIBUTOR'S PAGE \rightarrow Product Information \rightarrow Operation/Installation Manual

(URL: http://global.daikin.com/Daikin/global/Distributors_admin/user_mng/login.php)

Open the Front Cover



herer to the following pages for detail.			
	★3	ECONO operation	P.48
	★4	Auto swing setting	P.41

★5	WEEKLY TIMER operation	P.51
★6	Clock setting	P.50

Note:

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

Part 6 Service Diagnosis

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	1.2	Outdoor Unit	77
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		(RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B Only)	
		Unspecified Voltage (between Indoor Unit and Outdoor Unit)	
		Outdoor Unit PCB Abnormality	
		OL Activation (Compressor Overload)	
		Compressor Lock	
		DC Fan Lock	
		Input Overcurrent Detection	
		Four Way Valve Abnormality	
		Discharge Pipe Temperature Control	
		High Pressure Control in Cooling	
		Compressor System Sensor Abnormality	
		Position Sensor Abnormality	
		DC Voltage / Current Sensor Abnormality (25/35 Class Only)	113
	4.22	CT or Related Abnormality (RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B Only)	444
	1 00	Thermistor or Related Abnormality (Outdoor Unit)	
		Electrical Box Temperature Rise	
		Radiation Fin Temperature Rise	
		Output Overcurrent Detection	
F			
э.	5.1	ck Thermistor Resistance Check	
	5.1 5.2	Fan Motor Connector Output Check	
	5.2 5.3	Power Supply Waveforms Check	
	5.4	Electronic Expansion Valve Check	
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		<u>v</u>	

5.11 Outdoor Fan System Check	134
5.12 Main Circuit Short Check	134
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5.14 Power Module Check	137

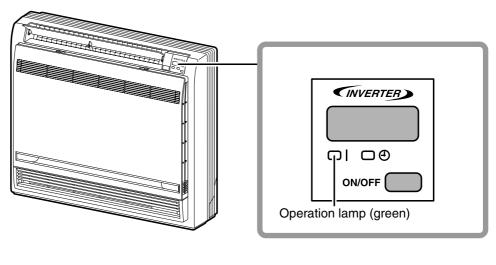
Troubleshooting with LED Indoor Unit

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.



(R12426)

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.

1.2 Outdoor Unit

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

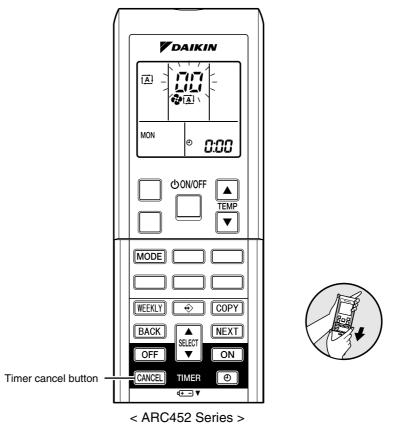
2. Problem Symptoms and Measures

Symptom	Check Item	Details of Measure	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.	_	82
	Check the remote controller addresses.	Check if address settings for the remote controller and indoor unit are correct.	146
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.	_	82
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.	_	82
	Diagnose by service port pressure and operating current.	Check for refrigerant shortage.	88
Large operating noise and vibrations	Check the output voltage of the power module.	_	137
	Check the power module.	—	—
	Check the installation condition.	Check if the required spaces for installation (specified in the installation manual) are provided.	_

3. Service Check Function

Check Method 1

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



(R14554)

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

No.	Code	No.	Code	No.	Code
1	88	13	57	25	UR -
2	<u>8</u> 4	14	83	26	UH .
3	LS	15	X8	27	P4
4	88	16	XS	28	13
5	<i>X</i> 8	17	63	29	٤4
6	XC	18	54	30	87
7	88	19	εs	31	u2
8	£7	20	33	32	88
9	<i>1</i> 0	21	<i>3</i> 8	33	88
10	83	22	8S	34	F R
11	<i>8</i> 5	23	8;		
12	۶8	24	ε;		

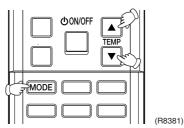
■ The code indication changes in the sequence shown below.

Note:

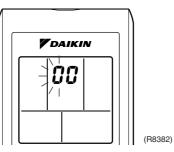
- 1. A short beep or two consecutive beeps indicate non-corresponding codes.
- 2. To return to the normal mode, hold the timer cancel button down for 5 seconds. When the remote controller is left untouched for 60 seconds, it also returns to the normal mode.
- Not all the error codes are displayed. When you cannot find the error code, try the check method 2. (→ Refer to page 80.)

Check Method 2

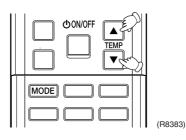
1. Press the 3 buttons (TEMP▲, TEMP▼, MODE) at the same time to enter the diagnosis mode.



The left-side number blinks.



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

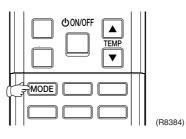


3. Diagnose by the sound.

★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 number correspond with the error code. The numbers indicated when you hear the long beep are the error code. → Refer to page 82.

4. Press the [MODE] button.

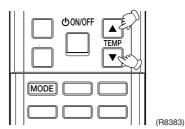


The right-side number blinks.



(R8385)

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

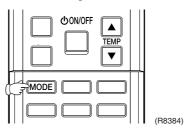


6. Diagnose by the sound.

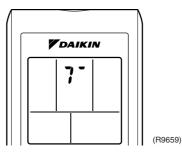
★beep : The left-side number does not correspond with the error code.
 ★two consecutive beeps : The left-side number corresponds with the error code but the right-side number does not.

★long beep : Both the left-side and right-side number corresponds with the error code.

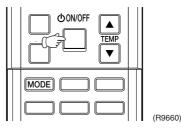
- Determine the error code.
 The numbers indicated when you hear the long beep are the error code.
 Error codes and description → Refer to page 82.
- 8. Press the [MODE] button to exit from the diagnosis mode.



The display γ^- means the trial operation mode. Refer to page 144 for trial operation.



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



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	88	Normal	_		
	<i>40</i> ★	Refrigerant shortage	88		
	42	Low-voltage detection or over-voltage detection	91		
	님님	Signal transmission error (between indoor unit and outdoor unit)	93		
	UR	Unspecified voltage (between indoor unit and outdoor unit)	96		
Indoor Unit	8;	Indoor unit PCB abnormality			
Onit	85	Freeze-up protection control or heating peak-cut control			
	88	Fan motor (DC motor) or related abnormality	85		
	64	Indoor heat exchanger thermistor or related abnormality	87		
	68	Room temperature thermistor or related abnormality	87		
Outdoor Unit	٤ ;	Outdoor unit PCB abnormality	97		
Onit	85 *	OL activation (compressor overload)	99		
	88 ★	Compressor lock	101		
	£7 ★ 73	DC fan lock	102		
	88	Input overcurrent detection	103		
	88	Four way valve abnormality	104		
	83	Discharge pipe temperature control	106		
	88	High pressure control in cooling	107		
	XQ	Compressor system sensor abnormality	108		
	8	Position sensor abnormality	110		
		DC voltage / current sensor abnormality (25/35 class only)	113		
	H8	CT or related abnormality (RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B only)	114		
	X3	Outdoor temperature thermistor or related abnormality	116		
	J3 ★	Discharge pipe thermistor or related abnormality	116		
	38	Outdoor heat exchanger thermistor or related abnormality	116		
	13	Electrical box temperature rise	118		
	14	Radiation fin temperature rise	121		
	15★	Output overcurrent detection	124		
	PY	Radiation fin thermistor or related abnormality	116		
	มา	Signal transmission error on outdoor unit PCB (RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B only)	95		

 \star : Displayed only when system-down occurs.

4.2 Indoor Unit PCB Abnormality

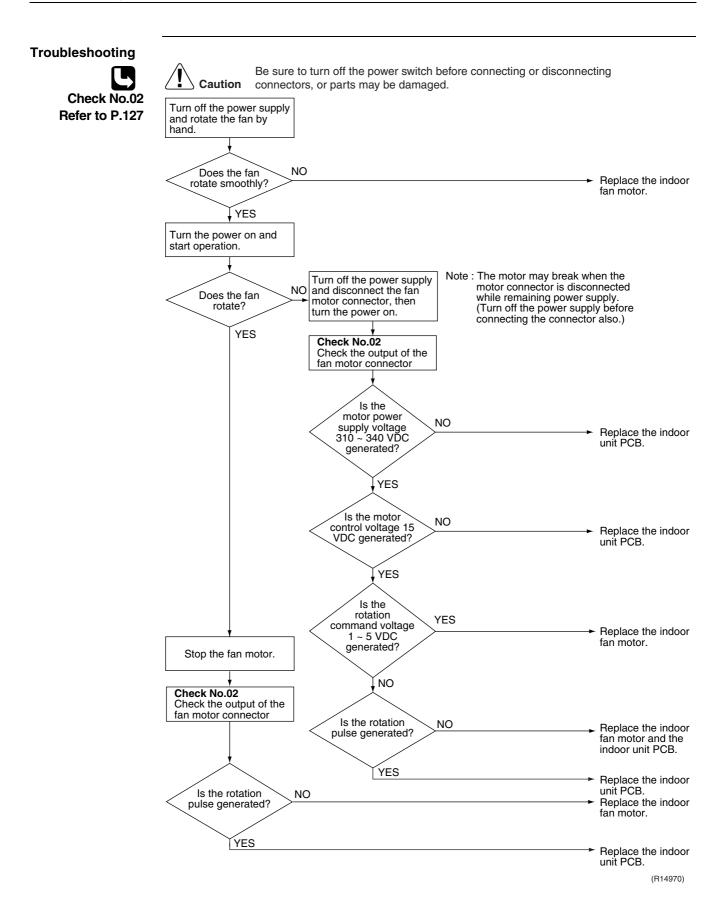
Error Code	8:	
Method of Error Detection	The system checks if the c	ircuit works properly within the microcomputer of the indoor unit.
Error Decision Conditions	The system cannot set the	internal settings.
Supposed Causes	 Wrong models intercon Defective indoor unit P(Disconnection of conne Reduction of power sup 	CB ector
Troubleshooting		e to turn off the power switch before connecting or disconnecting tors, or parts may be damaged. he
	OK? YES Check the connection of connectors (See Note).	NO Match the compatible models. * To secure the connection, once disconnect the connector and then reconnect it.
	OK? NO Correct the connection.	Voltage as rated? Voltage as r
		Error repeats? YES PCB. NO Completed.
	Error repeats?	Voltage as rated? Voltage as ra
		VES Error repeats? NO Completed. Completed.
Note:	Check the following conne	(R15310)
	Model Type	Connector
	Floor standing type	Terminal board ~ Control PCB (H1, H2, H3)

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

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 paek-cut control During cooling operation, the temperature detected by the indoor heat exchanger thermistor is used for the heating paek-cut control (operation halt, outdoor fan stop, etc.) Error Decision Conditions Freeze-up protection control During cooling operation, the indoor heat exchanger temperature is below 0°C. Heating paek-cut control During heating operation, the indoor heat exchanger temperature is above 65°C Supposed Causes Short-circuited air Clogged air filter of the indoor unit Defective indoor net exchanger temperature is above 65°C Troubleshooting Check No.07 Refer to P.128 Clogged air filter of the indoor unit Defective indoor unit PCB Troubleshooting Check No.07 Refer to P.128 Check the air passage. VES Check the air passage. VES Check the air filter. NO Check the air filter. NO Check the air filter. NO Check the indoor heat exchanger VES Clean the air filter. NO Check t	Error Code	85
Conditions During cooling operation, the indoor heat exchanger temperature is below 0°C. Heating peak-out control During heating operation, the indoor heat exchanger temperature is above 65°C Supposed Causes Short-circuited air Clogged air filter of the indoor unit Dust accumulation on the indoor heat exchanger Defective indoor heat exchanger termistor Defective indoor unit PCB Troubleshooting Refer to P.128 Check No.01 Ender the air filter. Is there any short circuit? VES Check the air filter. Is there any short circuit? VES Check the air filter. Is there any short circuit? VES Check the air filter. Is there any short circuit? VES Check the air filter. Is there any short circuit? VES Check the air filter. Is there any short circuit? VES Check the air filter. Is there any short circuit? VES Check the air acchanger. Check the air acchanger. Is the indoor heat acchanger. Is the indoor heat acchanger. Is there are schanger. Is the indoor heat exchanger. 		 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
Causes ■ Clogged air filter of the indoor unit ■ Dust accumulation on the indoor heat exchanger ■ Defective indoor neat exchanger thermistor ■ Defective indoor unit PCB Troubleshooting Check No.01 Check No.01 Check the air passage. Is there any short circuit? YES Provide sufficient air passage. Introvide sufficient air passage. Introvide sufficient air passage. Introvide sufficient air passage. Check the air filter. NO Check the dust accumulation on the indoor heat exchanger Introvide sufficient air passage. Check the dust accumulation on the indoor heat exchanger. NO Check the dust accumulation on the indoor heat exchanger. NO Check the dust accumulation on the indoor heat exchanger. VES Clean the indoor heat exchanger. VES Clean the indoor heat exchanger. VES Replace the themistor. (accumulation on the indoor heat exchanger. VES Replace the indoor unit PCB.		During cooling operation, the indoor heat exchanger temperature is below 0°C. ■ Heating peak-cut control
Provide sufficient air passage. ↓ NO Check the air filter. ↓ NO Check the air filter. ↓ NO Check the air filter. ↓ NO Check the dust accumulation on the indoor heat exchanger. ↓ NO Check the dust accumulation on the indoor heat exchanger. ↓ NO Check the indoor heat excha		 Clogged air filter of the indoor unit Dust accumulation on the indoor heat exchanger Defective indoor heat exchanger thermistor
	Check No.01	Check the air passage. Is there any short circuit? VES Provide sufficient air passage. NO Check the air filter. VES Clean the air filter. Check the dust accumulation on the indoor heat exchanger. VES Clean the indoor heat exchanger. Check the indoor heat exchanger. VES Clean the indoor heat exchanger. Provide sufficient air passage. Clean the air filter. Clean the indoor heat exchanger. Clean the indoor heat exchanger. Check the fullow heat exchanger. NO Check the indoor heat exchanger. VES NO Check the indoor heat exchanger. Check the indoor heat e
(R15715)		► Replace the indoor unit PCB.

4.4 Fan Motor (DC 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	 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)

Error Code	C4, C3
Method of Error Detection	The temperatures detected by the thermistors determine thermistor errors.
Error Decision Conditions	The thermistor input is more than 4.96 V or less than 0.04 V during compressor operation.
Supposed Causes	 Disconnection of connector Defective thermistor corresponding to the error code Defective indoor unit PCB
Troubleshooting Check No.01 Refer to P.126	Image: Caution Be sure to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged. Image: Check the connection of connectors. Image: Connectors. Image: No Image: Connectors. Image: No
	YES Replace the indoor unit PCB.
	(R15717)

१५: Indoor heat exchanger thermistor

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

Refrigerant Shortage 4.6

Error Code	10				
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.				
	Refrigerant shorta Refrigerant shortag temperature.	-		rence between suc	tion and discharge
Error Decision Conditions	Refrigerant shortage detection I: The following conditions continue for 7 minutes.				
		5/35 class, RXS50K2V1B>			
	 Input current × input voltage ≤ A × output frequency + B Output frequency > C 				
		;y > C			
		A (–)	B (W)	C (Hz)	
	25/35 class	640/256	0	55	
	RXS50K2V1B	2000/256	-181	55	
	<rk(x)s50f2v1b, <ul=""> Input current ≤ I Output frequence </rk(x)s50f2v1b,>	D × output freque		F (Hz)]
	RK(X)S50F2V1B RK(X)S50G2V1B RXS50J2V1B	18/1000	0.7	55	

Refrigerant shortage detection II:

The following conditions continue for 80 seconds.

• Opening of the electronic expansion valve $\geq G$

• Discharge pipe temperature > H × target discharge pipe temperature + J

	G (pulse)	H (–)	J (°C)
RK(X)S25/35F2V1B	480	255/256	30
RK(X)S25/35G2V1B RK(X)S25/35G2V1B9 RXS25/35J2V1B RXS25/35K2V1B RXS25K3V1B	480	128/128	30
RK(X)S50F2V1B RK(X)S50G2V1B RXS50J2V1B	480	128/128	cooling: 20, heating: 45
RXS50K2V1B	480	128/128	cooling: 60, heating: 45

Refrigerant shortage detection III: (25/35 class only)

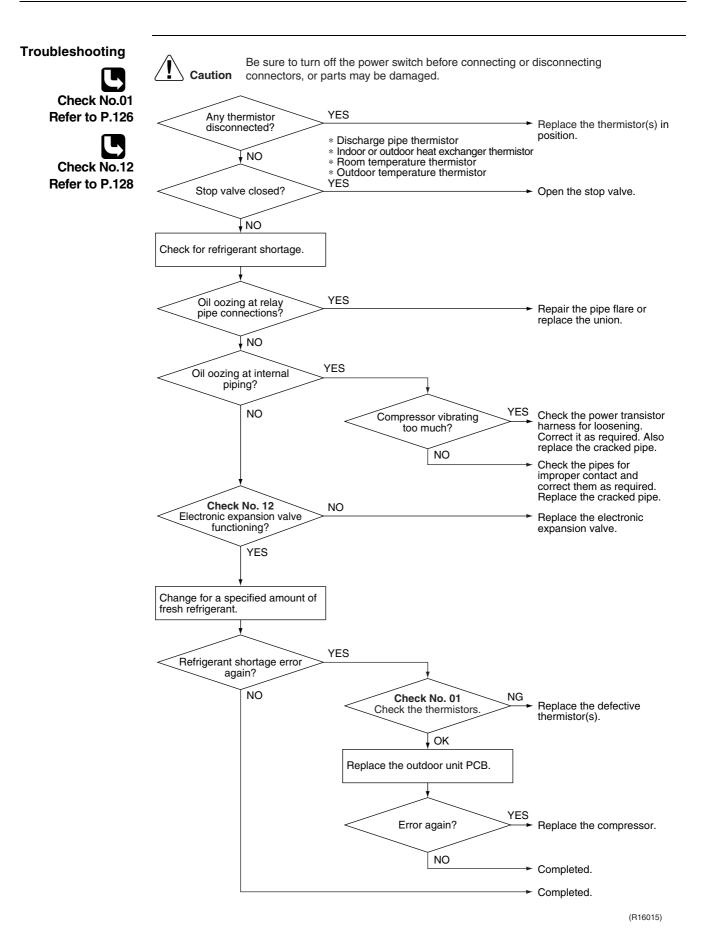
When the difference of the temperature is smaller than $G^{\circ}C$, it is regarded as refrigerant shortage.

Operation mode	Description	G (°C)
Cooling	room thermistor temperature – indoor heat exchanger temperature	4.0
	outdoor heat exchanger temperature – outdoor temperature	4.0
Heating	indoor heat exchanger temperature – room thermistor temperature	3.0
	outdoor temperature – outdoor heat exchanger temperature	3.0

- 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 the discharge pipe thermistor, indoor or outdoor heat exchanger thermistor, room or outdoor temperature thermistor
- Closed stop valve
- Refrigerant shortage (refrigerant leakage)
- Poor compression performance of compressor
- Defective electronic expansion valve

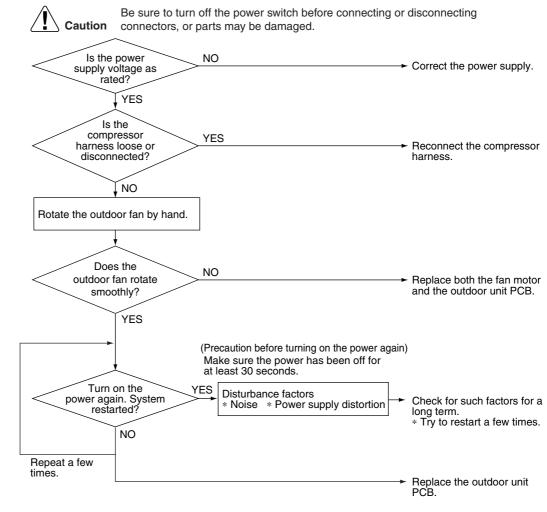


4.7 Low-voltage Detection or Over-voltage Detection

Error Code				
Method of Error Detection	Low-voltage detection: An abnormal voltage drop is detected by the DC voltage detection circuit.			
Detection	An abhormaí voltage diop is delected by the DO voltage delection 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 150 ~ 180 V (depending on the model).			
	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 fall of voltage			
	Momentary power failure			

Defective outdoor unit PCB

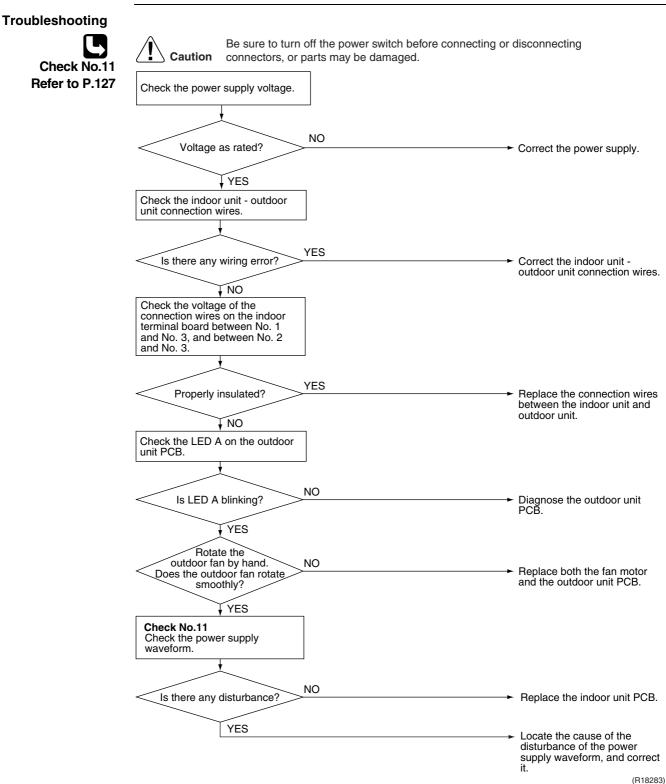
Troubleshooting



(R17948)

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

Error Code	
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



4.9 Signal Transmission Error on Outdoor Unit PCB (RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B Only)

Error Code			
Method of Error Detection	Communication error between microcomputer mounted on the main microcomputer and PM1.		
Error Decision Conditions	 The abnormality is determined when the data sent from the PM1 can not be received for 9 seconds. The error counter is reset when the data from the PM1 can be successfully received. 		
Supposed Causes	Defective outdoor unit PCB		
Troubleshooting	Image: Note that the server to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged. Image: Note that the power and turn it on again. Image: Note the power and turn it on again. Image: Note the power and turn it on again. Image: Note the power and turn it on again. Image: Note the power and turn it on again. Image: Note the power again of t		

4.10 Unspecified Voltage (between Indoor Unit and Outdoor Unit)

Error Code	<u>88</u>	
Method of Error Detection	The supply power is detected for its requirements (different from pair ty indoor / outdoor transmission signal.	pe and multi type) by the
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	YES Are the NO	connecting atch the compatible models.
		nange for the correct PCB.
		eplace the indoor unit PCB r the outdoor unit PCB).
		(R11707)

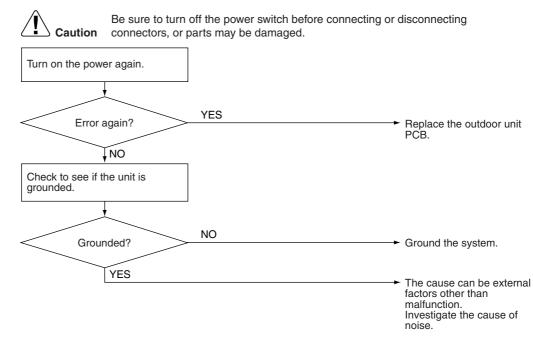
4.11 Outdoor Unit PCB Abnormality

Error Code	ε;		
Method of Error Detection	 The system checks if the microprocessor is working in order. The system checks if the zero-cross signal comes in properly. 		
Error Decision Conditions	 The microprocessor program runs out of control. The zero-cross signal is not detected. 		
Supposed Causes	 Defective outdoor unit PCB Broken harness between PCBs Noise Momentary fall of voltage Momentary power failure 		
Troubleshooting	25/35 class, RXS50K2V1B Be sure to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged. Turn on the power again. Is LED A blinking? NO Is LED A blinking? YES Check to see if the outdoor unit is grounded.		
	Grounded? NO Ground the system.		
	VES Is the harness broken? NO		

 Zero-cross signal abnormality.
 Replace the outdoor unit PCB (1).

(R16380)

Troubleshooting RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B

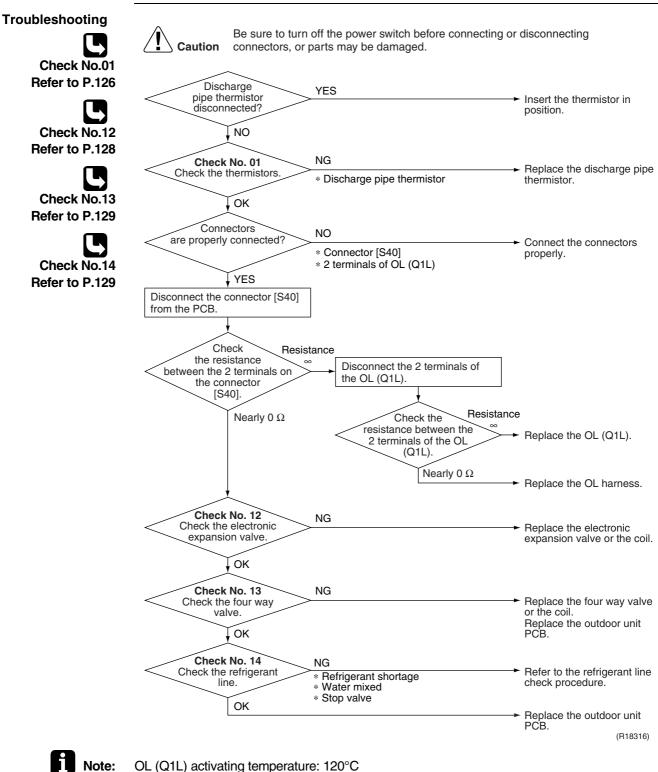


(R18284)

4.12 OL Activation (Compressor Overload)

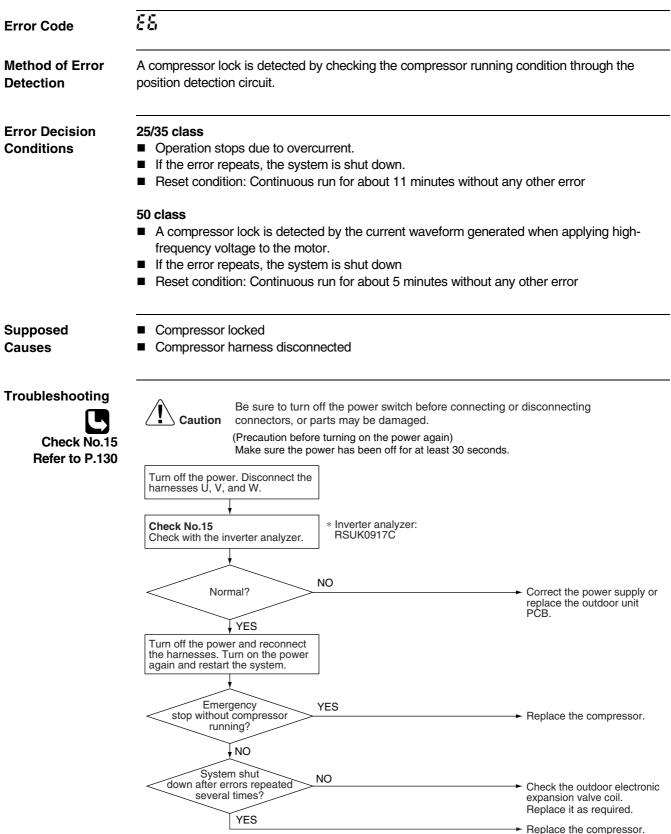
Error Code	85			
Method of Error Detection	A compressor overload is detected through compressor OL.			
Error Decision	If the error repeats, the system is shut down.			
Conditions	Reset condition: Continuous run for about 60 minutes without any other error			
Supposed	 Disconnection of discharge pipe 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



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

4.13 Compressor Lock



(R18317)

4.14 DC Fan Lock 27 **Error Code** Method of Error An error is determined with the high-voltage fan motor rotation speed detected by the Hall IC. Detection **Error Decision** The fan does not start in about 15 ~ 60 seconds even when the fan motor is running. Conditions If the error repeats, the system is shut down. Reset condition: Continuous run for about 11 minutes (25/35 class) or 5 minutes (50 class) without any other error Supposed Disconnection of the fan motor Causes Foreign matter stuck in the fan Defective fan motor Defective outdoor unit PCB Troubleshooting Be sure to turn off the power switch before connecting or disconnecting Caution connectors, or parts may be damaged. Check No.16 YES Fan motor connector Refer to P.131 Turn off the power and disconnected? reconnect the connector. NO YES Foreign matters in or Remove the foreign around the fan? matters. NO Turn on the power. Rotate the fan. NO Fan rotates smoothly? Replace the outdoor fan motor. YES Check No. 16 Check the rotation pulse input on the outdoor unit PCB. NO Pulse signal generated? Replace the outdoor fan motor. YES Replace the outdoor unit PCB.

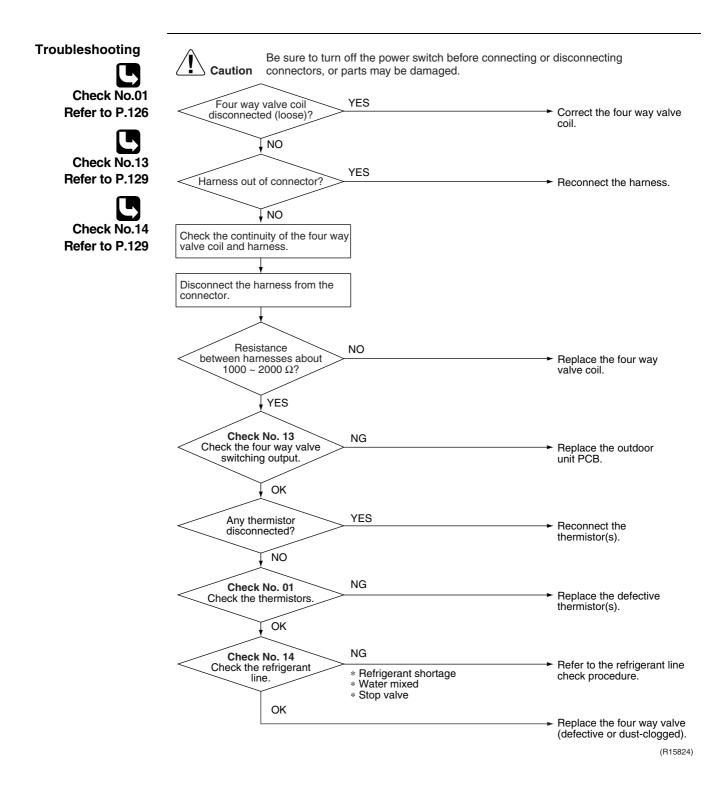
(R15675)

4.15 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 ~ 20 A (depending on the model) for compressor running. (The upper limit of the current decreases when the outdoor tempera level.)			
Supposed Causes	 Outdoor temperature is out of operation range. Defective compressor Defective power module Defective outdoor unit PCB Short circuit 			
Troubleshooting	Be sure to turn off the power switch before connecting of	rdisconnecting		
Check No.15 Refer to P.130	 Caution connectors, or parts may be damaged. * An input overcurrent may result from wrong internal wiring. If the system is in overcurrent after the wires have been disconnected and reconnected for part wiring again. 	terrupted by an input replacement, check the		
Check No.17 Refer to P.133	Check No. 17 Check the installation condition.			
Refer to P.133	Input current flowing above its stop level? VES	 Replace the outdoor unit PCB. 		
	Turn off the power and disconnect the harnesses U, V, and W.			
	Check No.15 Check with the inverter analyzer. * Inverter analyzer: RSUK0917C			
	Any LED off? VES VO Turn off the power, and reconnect the harnesses. Turn on the power again and start operation.	 Correct the power supply or replace the outdoor unit PCB. 		
	Check No. 18 Check the discharge pressure.	(R18318)		

4.16 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 1 ~ 10 minutes (depending on the model) after operating for 5 ~ 10 minutes (depending on the model). Cooling / Dry (room thermistor temp. – indoor heat exchanger temp.) < -5°C Heating (indoor heat exchanger temp. – room thermistor temp.) < -5°C 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 				



tura Control . D' **T** --

Error Code	83			
Method of Error Detection	An error is determined with the temperature dete	cted by the	discharge pi	pe thermistor.
Frror Decision Conditions	 If the temperature detected by the discharge compressor stops. The error is cleared when the discharge pipe <25/35 class> 			
		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), 25 H 40 Hz (dropping)	99	86	
		33	00	
	<50 class>			
	A (°C) B (°C)			
	110 95			
	■ If the error repeats, the system is shut down.			
	Reset condition: Continuous run for about 60	minutes wit	hout any oth	er error
	 Refrigerant shortage Defective four way valve Water mixed in refrigerant Defective stop valve Defective outdoor unit PCB 			
roubleshooting	Be sure to turn off the power switcl	h before conr	necting or disc	onnecting
9	Caution connectors, or parts may be dama	ged.		
Check No.01				
Refer to P.126	Check No. 01 NG Check the thermistors.			lace the defective
	* Discharge pipe th * Outdoor heat exc		istor	mistor(s).
	♦ OK * Outdoor tempera			
Check No.12				
Refer to P.128	Check No. 12 NG Check the electronic		- Ber	place the electronic
	expansion valve.			ansion valve or the coil.
Check No.14	↓ OK			
Refer to P.129				
	Check No. 14 NIG			
	Check No. 14 NG Check the refrigerant * Befrigerant short	909		
	Check the refrigerant line. * Four way valve	age		er to the refrigerant line ck procedure.
	Check the refrigerant line. OK K K K K K K K K K K K K K	age		
	Check the refrigerant line. * Four way valve	age	che	ck procedure.

(R15825)

4.18 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 them 60 ~ 65°C. The error is cleared when the temperature drops below about 			
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	Caution Be sure to turn off the power switch before connecting connectors, or parts may be damaged.	g or disconnecting		
Check No.01 Refer to P.126	Check the installation space.			
Check No.12 Refer to P.128	Check No. 17 NG Check the installation condition.	Change the installation location or direction. Clean the outdoor heat exchanger.		
Check No.17 Refer to P.133 Check No.18	Check No. 19 NG Check the outdoor fan. OK	Replace the outdoor fan motor. Reconnect the connector or fan motor lead wires.		
Refer to P.133	Check No. 18 Check the discharge pressure. OK	→ Replace the stop valve.		
Refer to P.134	Check No. 12 Check the electronic expansion valve. OK	 Replace the electronic expansion valve or the coil. Replace the outdoor unit PCB. 		
	Check No. 01 Check the outdoor heat exchanger thermistor. OK	Replace the outdoor heat exchanger thermistor.		
		→ Replace the outdoor unit PCB. (R15667)		

4.19 Compressor System Sensor Abnormality 4.19.1 25/35 Class, RXS50K2V1B

Error Code	80			
	· ****			
Method of Error Detection	The system checks the DC current before the compressor starts.			
Error Decision Conditions	 The DC current before compressor start-up is out of the range converted to voltage value) The DC voltage before compressor start-up is below 50 V. 	0.5 ~ 4.5 V (sensor output		
Supposed Causes	Broken or disconnected harnessDefective outdoor unit PCB			
Troubleshooting	Image: Caution Be sure to turn off the power switch before connecting connectors, or parts may be damaged. Check the relay harness for the compressor. Image: Check the harness broken? Is the harness broken? YES Is the harness broken? YES In the power and turn it on again. Image: Check the power and turn it on turn it on the power and turn it on turn it	or disconnecting ► Replace the harness.		
	Restart operation NO and error displayed again? YES	 No problem. Keep on running. Replace the outdoor unit PCB. 		
		(B11712)		

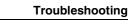
4.19.2 RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B

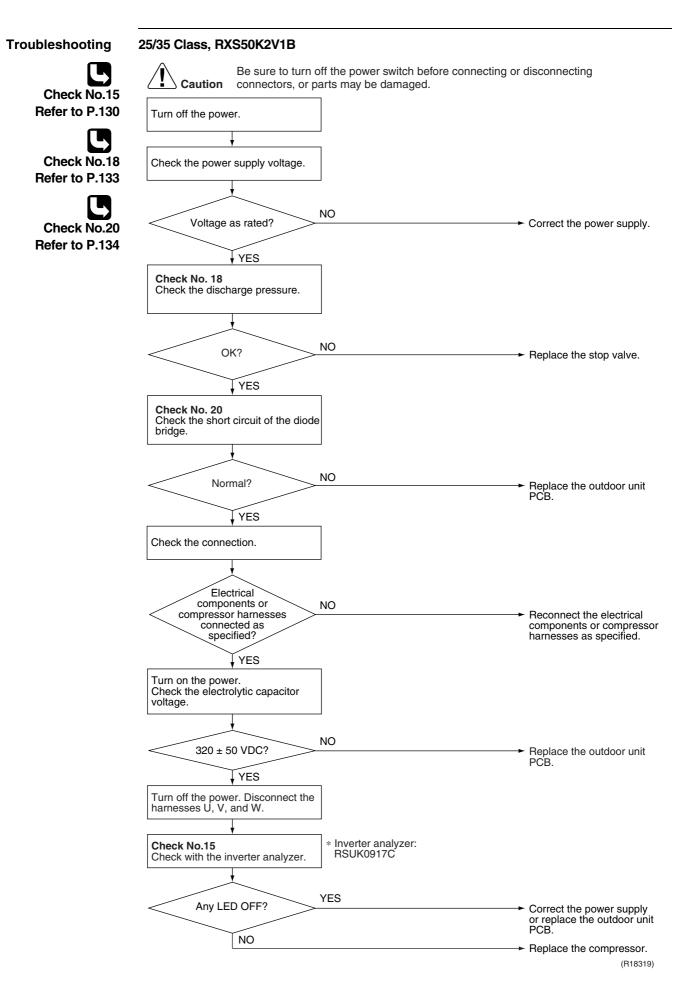
Error Code				
Method of Error Detection	 The system checks the power supply voltage and the DC voltage before the compressor starts. The system checks the compressor current right after the compressor starts. 			
Error Decision Conditions	 The power supply voltage and the DC voltage is obviously low or high. The compressor current does not run when the compressor starts. 			
Supposed Causes	 Disconnection of reactor Disconnection of compressor harness Defective outdoor unit PCB Defective compressor 			
Γroubleshooting	Image: Control of the power switch before connecting or disconnecting connectors, or parts may be damaged. Image: Check the connection of the reactor. Image: Connection OK? NO Connection OK? VES Check the connection of the connection of the reactor properly.			
	Connection OK? NO Connect the compressor properly.			

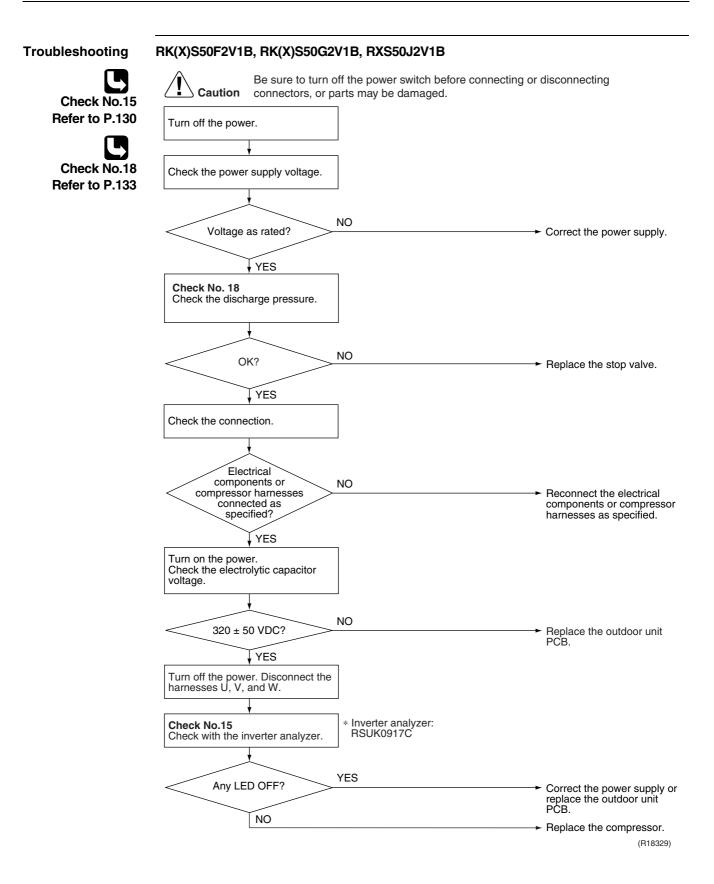
Check the reactor. unit PCB and measure the resistance value between reactor terminals with tester. NO 10 Ω or less? Replace the reactor. VES Disconnect the compressor relay harness from the outdoor unit PCB and measure the resistance value between the each 3 Check the compressor. terminals of the compressor with tester. 10 Ω or less NO Replace the compressor or the compressor relay harness. between each terminal? YES Restart the operation again and if the error occurs again, replace the outdoor unit PCB. (R15891)

4.20 Position Sensor Abnormality

Error Code	78			
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 (25/35 class) or 5 minutes (50 class) 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. 			







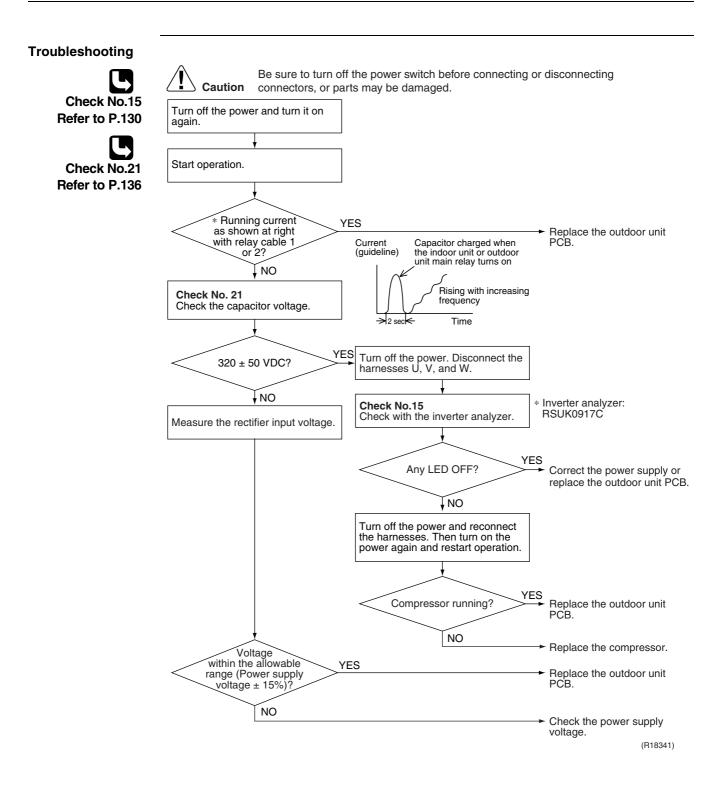
4.21 DC Voltage / Current Sensor Abnormality (25/35 Class Only)

X8
DC voltage or DC current sensor abnormality is identified based on the compressor running frequency and the input current.
 If the error repeats, the system is shut down. Reset condition: Continuous run for about 60 minutes without any other error
Defective outdoor unit PCB
Caution Be sure to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged.

Replace the outdoor unit PCB.

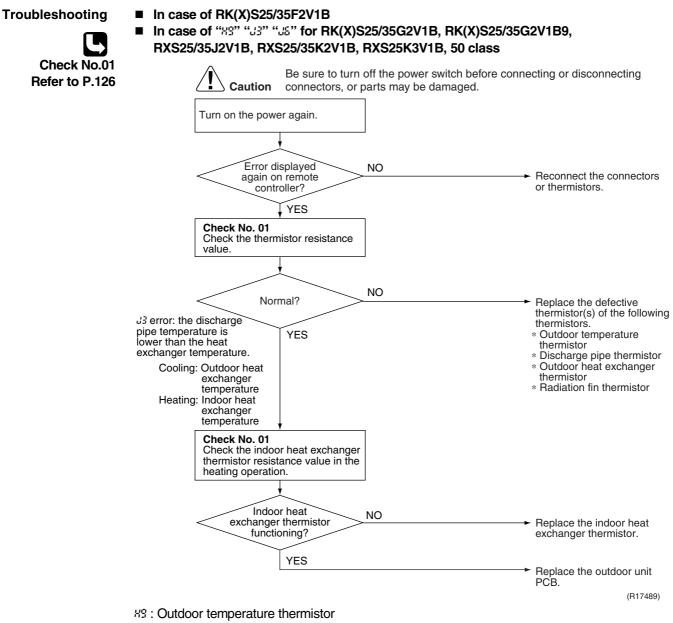
4.22 CT or Related Abnormality (RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B Only)

Error Code	X8					
Method of Error Detection	A CT or related error is detected by checking the compressor running frequency and CT- detected input current.					
Error Decision Conditions	 The compressor running frequency is more than A Hz, and the CT input current is less than B A. A (Hz) B (A) 55 0.5 					
	 If the error repeats, the system is shut down. Reset condition: Continuous run for about 60 minutes without any other error 					
Supposed Causes	 Defective power module Broken or disconnected wiring Defective reactor Defective outdoor unit PCB 					



4.23 Thermistor or Related Abnormality (Outdoor Unit)

Error Code	X3, J3, J6, P4				
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 above 4.96 V or below 0.04 V with the power on. <i>J</i> 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	In case of "Py" for RK(X)S25/35G2V1B, RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B, 50 class Be sure to turn off the power switch before connecting or disconnecting connectors, or parts may be damaged.				
	Replace the outdoor unit PCB.				
	१५ : Radiation fin thermistor				

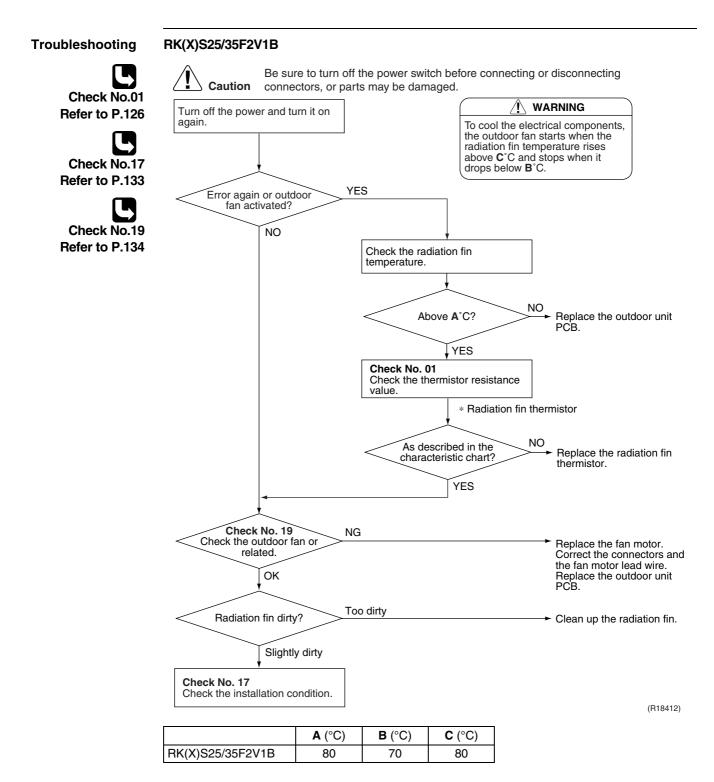


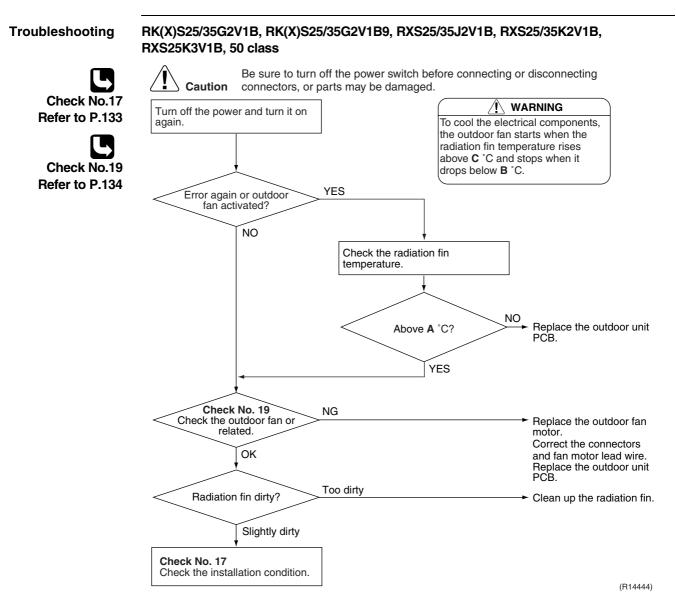
- d3 : Discharge pipe thermistor
- 35: Outdoor heat exchanger thermistor
- P4 : Radiation fin thermistor

4.24 Electrical Box Temperature Rise

Error Code	L 3				
Method of Error Detection	An electrical box temperature rise is detected by checking the radiation fin thermistor with the compressor off.				
 Error Decision 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. 					perature
		A (°C)	B (°C)	C (°C)	
	RK(X)S25/35F2V1B, RK(X)S25/35G2V1B	80	70	80	
	RK(X)S25/35G2V1B9, RXS25/35J2V1B RXS25/35K2V1B, RXS25K3V1B	98	75	83	
	RK(X)S50F2V1B, RK(X)S50G2V1B RXS50J2V1B	95	80	85	
	RXS50K2V1B	122	64	113	
Supposed Causes	 Defective outdoor fan motor Short circuit Defective radiation fin thermistor Disconnection of connector 				

Defective outdoor unit PCB



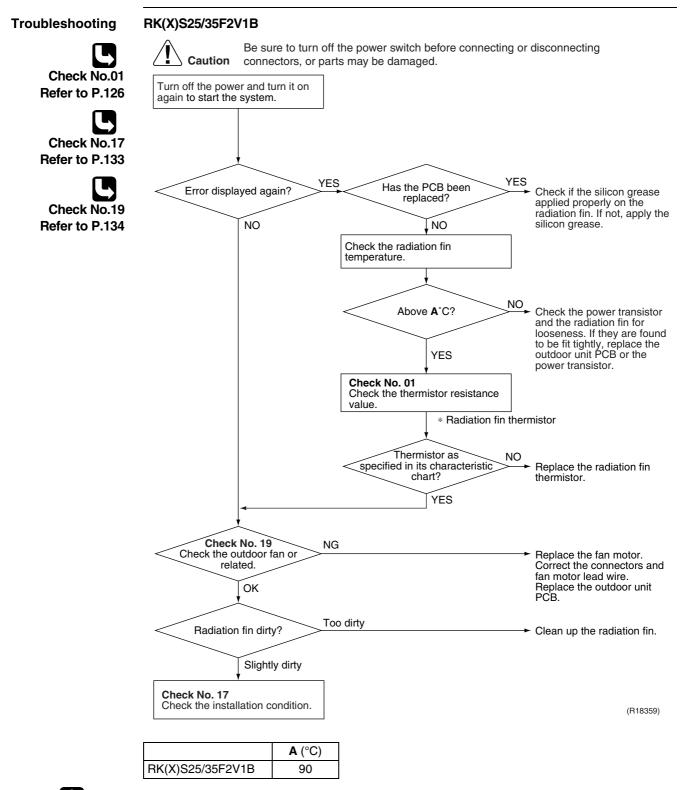


	A (°C)	B (°C)	C (°C)
RK(X)S25/35G2V1B	80	70	80
RK(X)S25/35G2V1B9 RXS25/35J2V1B RXS25/35K2V1B RXS25K3V1B	98	75	83
RK(X)S50F2V1B RK(X)S50G2V1B RXS50J2V1B	95	80	85
RXS50K2V1B	122	64	113

4.25 Radiation Fin Temperature Rise

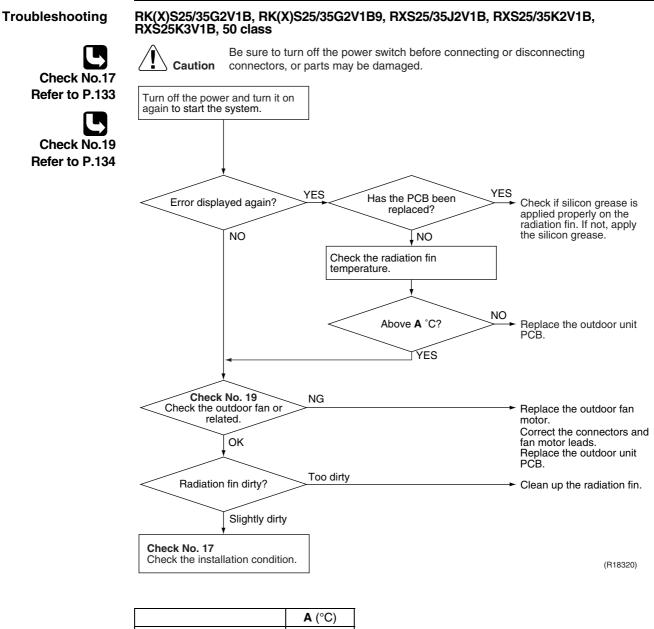
Error Code	24					
Method of Error Detection	A radiation fin temperature rise is detected by checking the radiation fin thermistor with the compressor on.					
Error Decision Conditions						
		A (°C)	B (°C)			
	RK(X)S25/35F2V1B, RK(X)S25/35G2V1B	90	85			
	RK(X)S25/35G2V1B9, RXS25/35J2V1B RXS25/35K2V1B, RXS25K3V1B	98	78			
	RK(X)S50F2V1B, RK(X)S50G2V1B RXS50J2V1B	105	99			
	RXS50K2V1B	85	56			
Supposed Causes	 Defective outdoor fan motor 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.



Note:

Refer to "Silicon Grease on Power Transistor / Diode Bridge" on page 150 for detail.



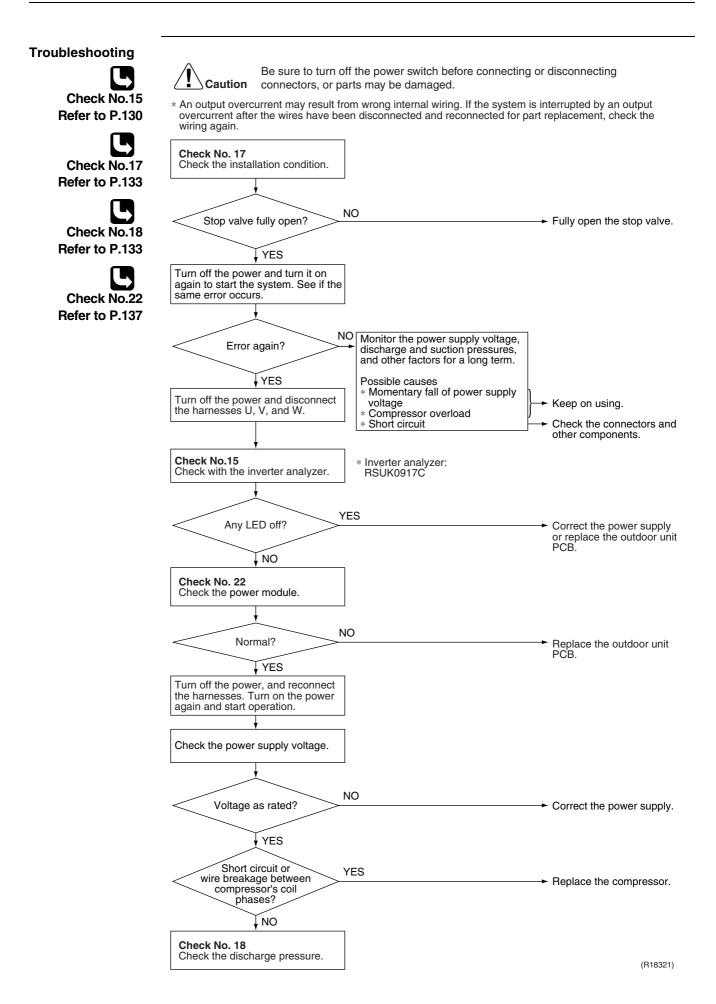
	A (°C)
RK(X)S25/35G2V1B	90
RK(X)S25/35G2V1B9 RXS25/35J2V1B RXS25/35K2V1B RXS25K3V1B	98
RK(X)S50F2V1B RK(X)S50G2V1B RXS50J2V1B	105
RXS50K2V1B	85



: Refer to "Silicon Grease on Power Transistor / Diode Bridge" on page 150 for detail.

4.26 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 (25/35 class) or 5 minutes (50 class) 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 				



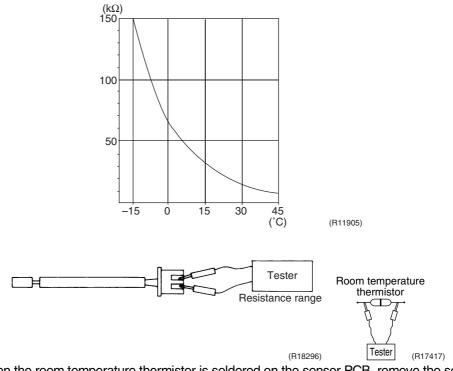
5. Check5.1 Thermistor Resistance Check

Check No.01

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

The data is for reference purpose only.		
Thermistor temperature (°C)	Resistance (kΩ)	
-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	
	$(B25^{\circ}C - 20 kO B - 3950 K)$	

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

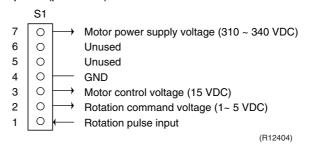


- When the room temperature thermistor is soldered on the sensor PCB, remove the sensor PCB from the control PCB to measure the resistance.
- When the connector of indoor heat exchanger thermistor is soldered on the PCB, remove the thermistor and measure the resistance.

Fan Motor Connector Output Check 5.2

Check No.02

- 1. Check the connection of connector.
- 2. Check the motor power supply voltage output (pins 4 7).
- 3. Check the motor control voltage (pins 4 3).
- 4. Check the rotation command voltage (pins 4 2).
- 5. Check the rotation pulse (pins 4 1).



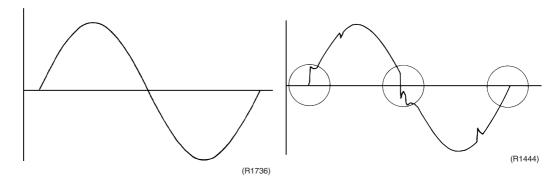
Power Supply Waveforms Check 5.3

Check No.11

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

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

Fig.1

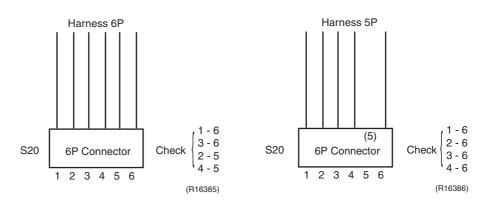


5.4 Electronic Expansion Valve Check

Check No.12

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

- 1. Check to see if the EV connector is correctly connected to the PCB.
- 2. Turn the power off and on again, and check to see if the EV generates a latching sound.
- If the EV does not generate a latching sound in the above step 2, disconnect the connector and check the continuity using a tester.
- 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.

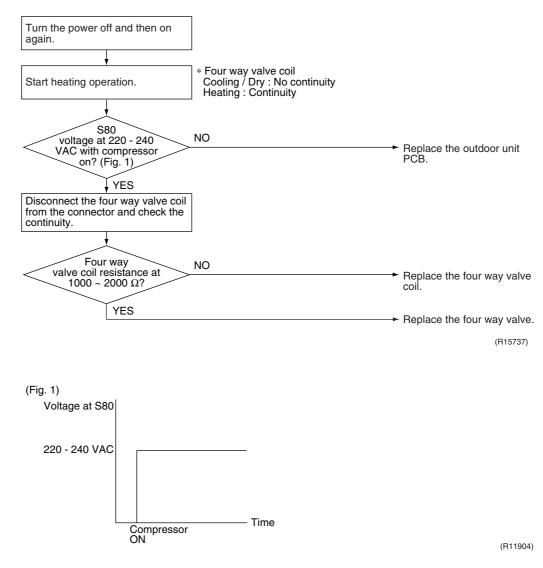


5. If the continuity is confirmed in step 3, the outdoor unit PCB is faulty.

Note: Please note that the latching sound varies depending on the valve type.

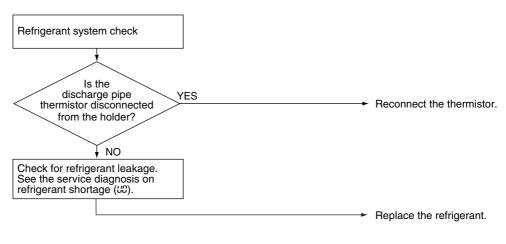
5.5 Four Way Valve Performance Check

Check No.13



5.6 Inverter Units 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

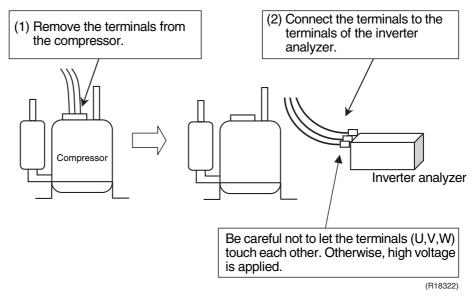
Be sure to turn the power off.

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] switch for 5 seconds.
- (Refer to page 142 for the position.)
- \rightarrow Power transistor test operation starts.

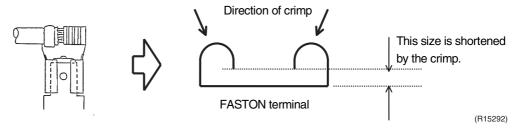
- Diagnose method (Diagnose according to 6 LEDs lighting status.)
 (1) If all the LEDs are lit uniformly, the compressor is defective.

 → 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

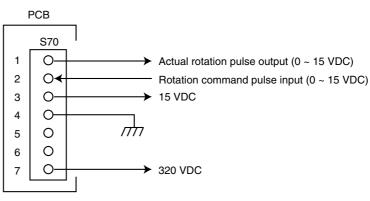
RK(X)S25/35F2V1B, RK(X)S25/35G2V1B, 50 class

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 ~ 15 VDC.
- 5. Keep operation off and power off. Connect the connector S70.
- Check whether 2 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.

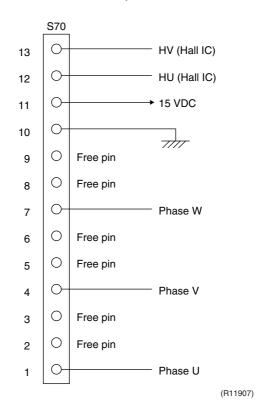


(R10811)

Check

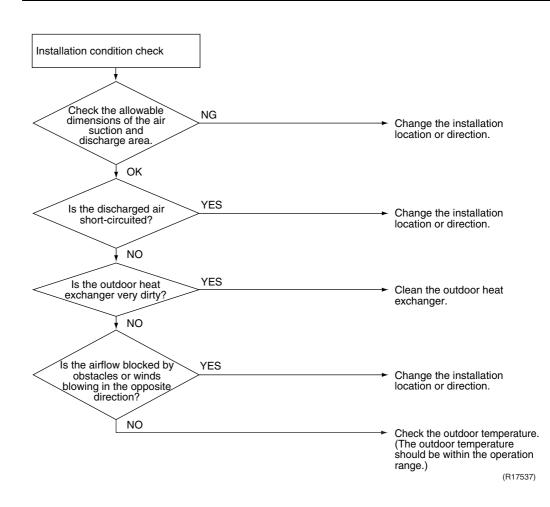
RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B

- 1. Check that the voltage between the pins 10 11 is 15 VDC.
- 2. 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.

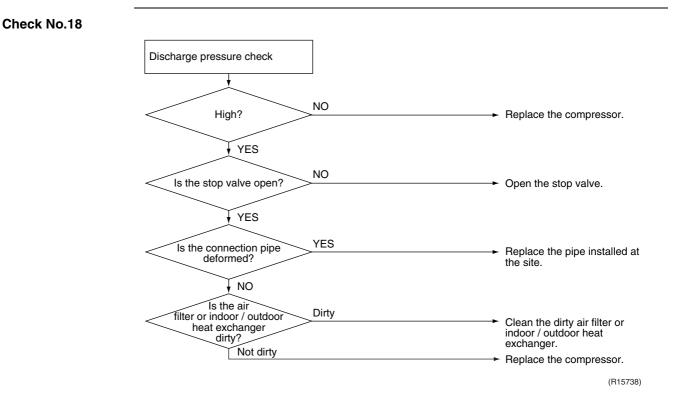


5.9 Installation Condition Check

Check No.17

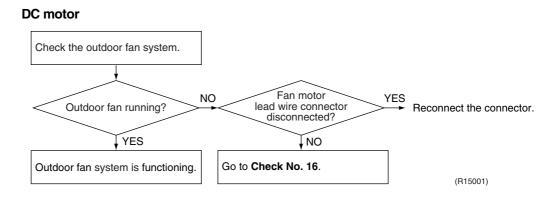


5.10 Discharge Pressure Check



5.11 Outdoor Fan System Check

Check No.19



5.12 Main Circuit Short Check

Check No.20



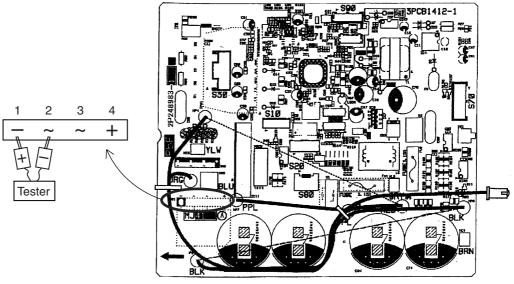
25/35 class, RXS50K2V1B only

Check to make sure that the voltage between (+) and (–) of the diode bridge (DB1) is approx. 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 k Ω , short circuit occurs on the main circuit.

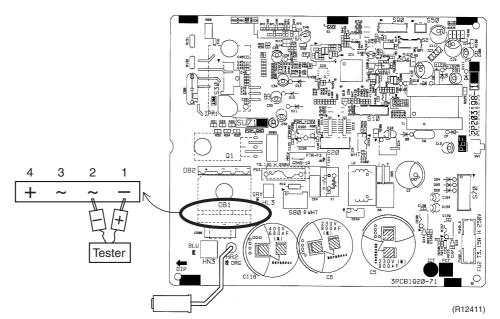
Negative (–) terminal of tester (positive terminal (+) for digital tester)	~ (2, 3)	+ (4)	~ (2, 3)	- (1)
Positive (+) terminal of tester (negative terminal (–) for digital tester)	+ (4)	~ (2, 3)	— (1)	~ (2, 3)
Resistance is OK.	several k Ω ~ several M Ω	∞	8	several k Ω ~ several M Ω
Resistance is NG.	0 Ω or ∞	0	0	0 Ω or ∞

RK(X)S25/35F2V1B

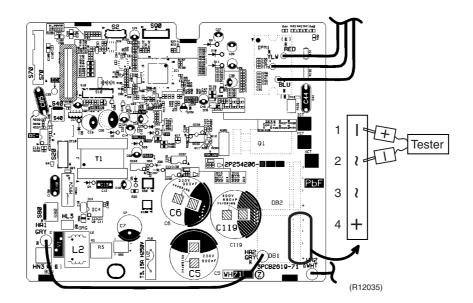


(R12412)

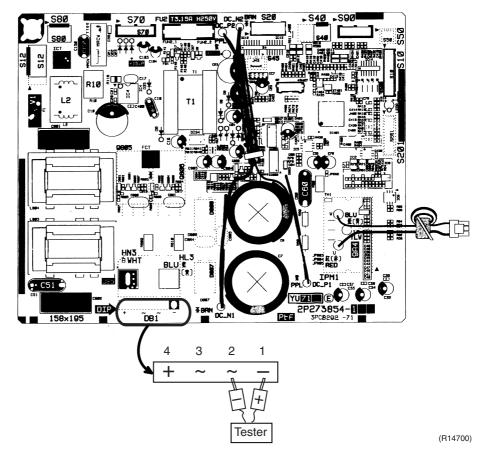
■ RK(X)S25/35G2V1B



■ RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B



RXS50K2V1B

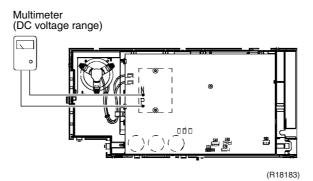


5.13 Capacitor Voltage Check

Check No.21

RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B only

Before this check, be sure to check the main circuit for short circuit. With the circuit breaker still on, measure the voltage according to the drawing of the model in question. Be careful never to touch any live parts.



5.14 Power Module Check

Check No.22

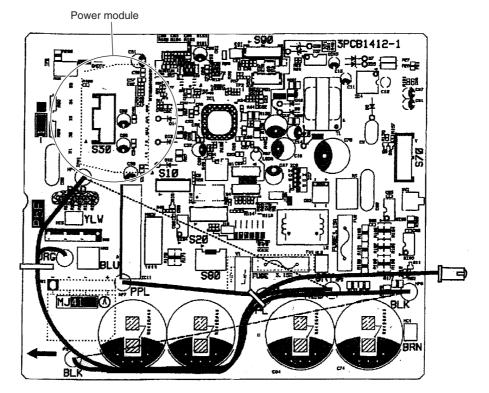


Check to make sure that the voltage between (+) and (–) of the power module is approx. 0 V before checking.

- 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 terminals of the power module and the terminals of the compressor with a multi-tester. Evaluate the measurement results referring to the following table.

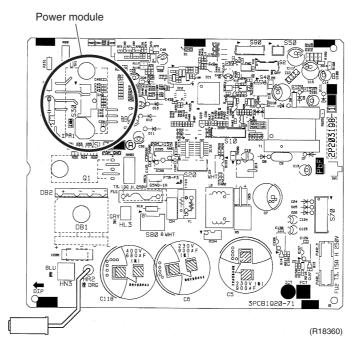
Negative (–) terminal of tester (positive terminal (+) for digital tester)	Power module (+)	UVW	Power module (–)	UVW
Positive (+) terminal of tester (negative terminal (–) for digital tester)	UVW	Power module (+)	UVW	Power module (–)
Resistance is OK.	several k Ω ~ several M Ω			
Resistance is NG.	$0 \ \Omega \text{ or } \infty$			

RK(X)S25/35F2V1B

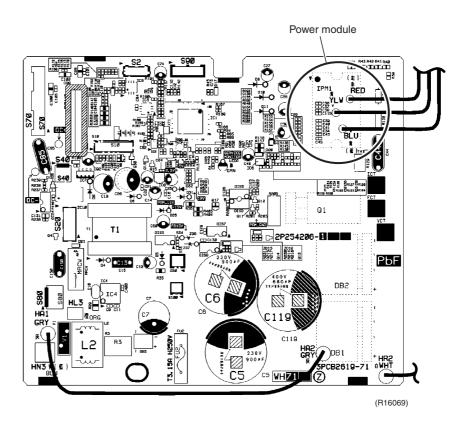


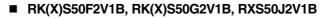
(R16389)

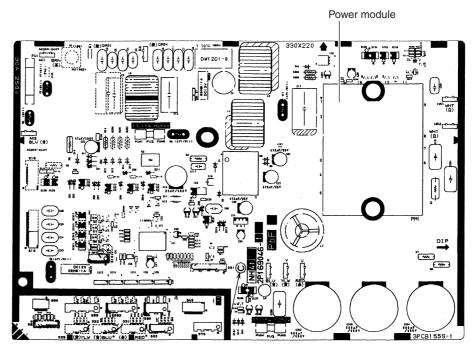
■ RK(X)S25/35G2V1B



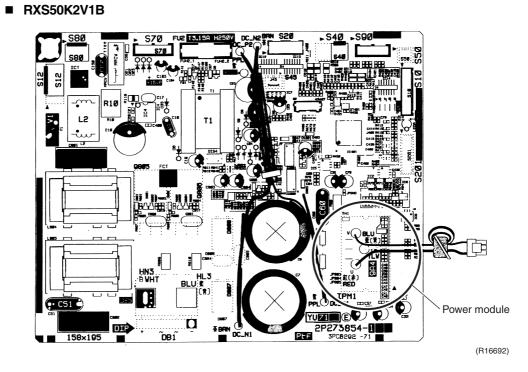
■ RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B







(R18390)



Part 7 Trial Operation and Field Settings

1.	Pump Down Operation	141
	Forced Cooling Operation	
3.	Trial Operation	144
4.	Field Settings	145
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	4.3 Facility Setting Jumper (cooling at low outdoor temperature)	146
	4.4 Jumper and Switch Settings	149
5.	Silicon Grease on Power Transistor / Diode Bridge	150

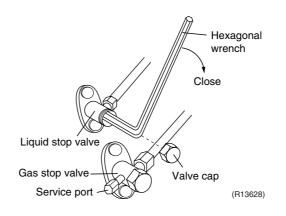
1. Pump Down Operation

Outline

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



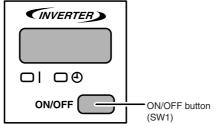
L

Refer to page 142 for forced cooling operation.

2. Forced Cooling Operation

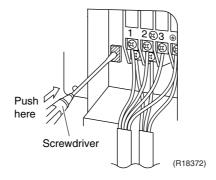
Item	Forced Cooling
Conditions	The forced cooling operation is allowed when both of the following conditions are met.
	 The outdoor unit is not abnormal and not in the 3-minute standby mode. The outdoor unit is not operating.
Start	The forced cooling operation starts when any of the following conditions 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 switch (SW1) on the outdoor unit.
Command frequency	RK(X)S25/35F2V1B, RK(X)S25/35G2V1B: 68 Hz RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B: 58 Hz 50 class: 66 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 switch (SW1) on the outdoor unit
	4) Press the forced cooling operation ON/OFF switch (SW1) on the outdoor unit.
Others	Protection functions have priority over all other functions during forced cooling operation.

Indoor Unit

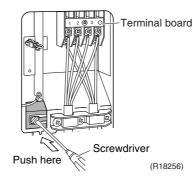


(R14184)

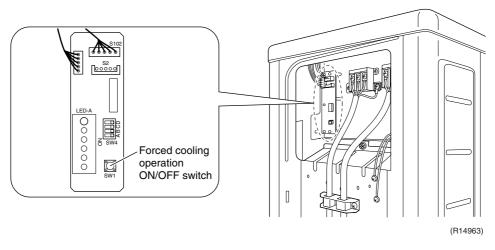
Outdoor Unit: RK(X)S25/35F2V1B, RK(X)S25/35G2V1B



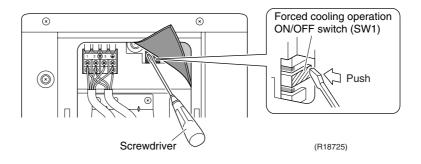
Outdoor Unit: RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B



Outdoor Unit: RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B



Outdoor Unit: RXS50K2V1B





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

3. Trial Operation

Outline

- 1. Measure the power supply voltage and make sure that it falls within the specified range.
- 2. Trial operation should be carried out in either cooling or heating operation. 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)
 - For protection, the system does not start for 3 minutes after it is turned off.
- 3. 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.



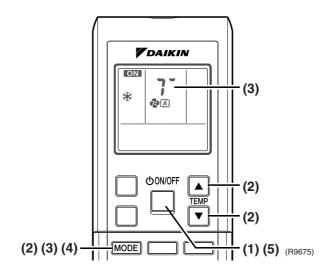
Note:

- The air conditioner requires a small amount of power in standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.
- If the circuit breaker trips to shut off the power to the air conditioner, the system backs up the operation mode. The system then restarts operation with the previous operation mode when the circuit breaker is restored.

Detail

ARC452 Series

- (1) Press the [ON/OFF] button to turn on the system.
- (2) Press the both of [TEMP] buttons and the [MODE] button at the same time.
- (3) Press the [MODE] button twice.
 - (? appears on the display to indicate that trial operation is selected.)
- (4) Press the [MODE] button and select the operation mode.
- (5) Trial operation terminates in approx. 30 minutes and switches into normal mode. To quit trial operation, press the [ON/OFF] button.



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

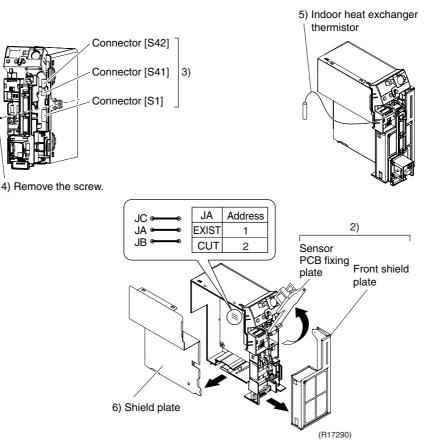


When 2 indoor units are installed in 1 room, 1 of the 2 indoor units and the corresponding wireless remote controller can be set for different addresses. Both the indoor unit PCB and the wireless remote controller need alteration.

Indoor Unit PCB

Remove the front grille.
 Lift the sensor PCB fixing plate and remove the front shield plate.

- 3) Disconnect the connectors [S1] [S41] [S42].
- 4) Remove the electric box (1 screw).
- 5) Pull out the indoor heat exchanger thermistor.
- 6) Remove the shield plate (8 tabs).
- 7) Cut the address setting jumper JA on the indoor unit PCB.

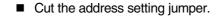


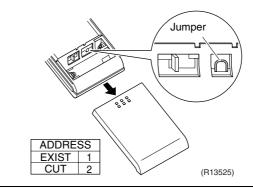


Replace the PCB if you accidentally cut a wrong jumper.

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

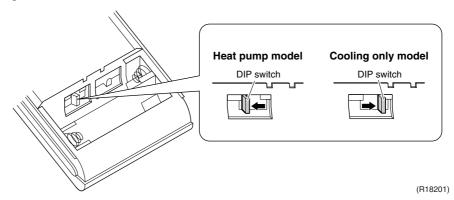
Wireless Remote Controller





4.2 Model Type Setting

The remote controller is common to the heat pump model and cooling only model. Set the DIP switch to the right position as shown in the illustration if the position of the DIP switch is wrong.



4.3 Facility Setting Jumper (cooling at low outdoor temperature)

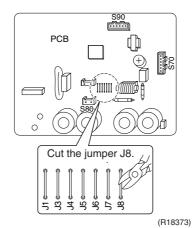
Outline

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).

25/35 Class 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.

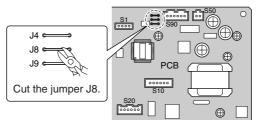
RK(X)S25/35F2V1B

Main PCB



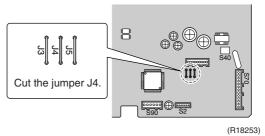
RK(X)S25/35G2V1B

Main PCB



(R18374)

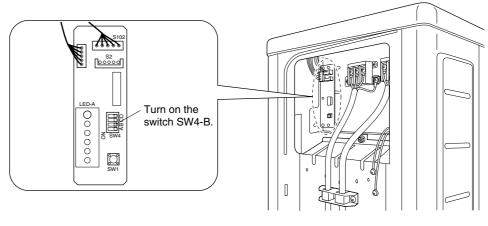
RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B Main PCB



50 Class

■ RKS50F2V1B, RK(X)S50G2V1B, RXS50J2V1B

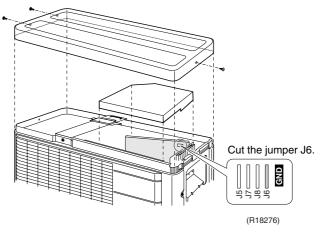
You can expand the operation range to -15° C by cutting the jumper on the outdoor unit PCB. If the outdoor temperature falls to -20° C or lower, the operation stops. If the outdoor temperature rises, the operation starts again.



(R12186)

RXS50K2V1B

You can expand the operation range to -10° C by cutting the jumper (J6) on the outdoor unit PCB. If the outdoor temperature falls to -18° C or lower, the operation stops. If the outdoor temperature rises, the operation starts again.





- 1. 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. (25/35 class, RXS50K2V1B)
- 5. Use the indoor unit at the highest level of airflow rate. (RKS50F2V1B, RK(X)S50G2V1B, RXS50J2V1B)



on <u>Replace the PCB if you accidentally cut a wrong jumper.</u>

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

4.4 Jumper and Switch Settings

Indoor Unit

Function	Switch / Jumper	Switch: OFF Jumper: connected (factory set)	Switch: ON Jumper: cut
Fan speed setting when compressor stops for thermostat OFF. (effective only in cooling operation)	JB	Fan speed setting ; Remote controller setting	Fan speed setting; "0" (The fan stops.)
Power failure recovery function	JC	Auto-restart	The unit does not resume operation after recovering from a power failure. Timer settings are cleared.
Upward airflow limit setting	SW2-4	Exposed or half embedded installation	Set the switch to ON position when you install the indoor unit embedded in the wall.

L

For the location of the jumper and the switch, refer to page 26, 27.

Outdoor Unit

Function	Switch / Jumper	Switch: OFF Jumper: connected (factory set)	Switch: ON Jumper: cut
Improvement of defrost performance	$\begin{array}{l} \text{25/35 class} \rightarrow \text{J5} \\ \text{RK}(\text{X})\text{S50F2V1B} \rightarrow \text{SW4-C} \\ \text{RK}(\text{X})\text{S50G2V1B} \rightarrow \text{SW4-C} \\ \text{RXS50J2V1B} \rightarrow \text{SW4-C} \\ \text{RXS50K2V1B} \rightarrow \text{J8} \end{array}$	Standard control	Reinforced control (ex. The frequency increases, the duration time of defrost lengthens.)



For the location of the jumper and the switch, refer to page 28, 30, 32, 34, 36.



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.

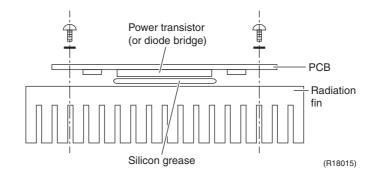
5. Silicon Grease on Power Transistor / Diode Bridge

Outline

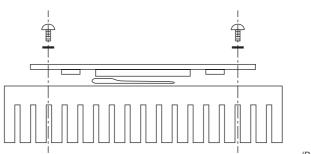
Apply the specified silicon grease to the heat radiation part of a power transistor / diode bridge when you replace an outdoor unit PCB. The silicon grease encourages the heat radiation of a power transistor / diode bridge.

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

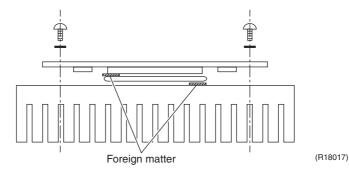


NG: Not evenly applied



(R18016)

NG: Foreign matter is stuck.



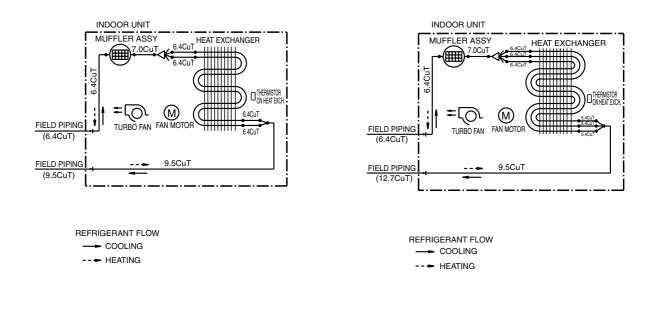
Part 8 Appendix

1.	I. Piping Diagrams			
	1.2 Outdoor L	nit		
2.	Wiring Diagrar	าร		
	2.2 Outdoor L	nit		
3.	Removal Proc	edure (Booklet No.)		

1. Piping Diagrams 1.1 Indoor Unit

FVXS25/35FV1B

FVXS50FV1B

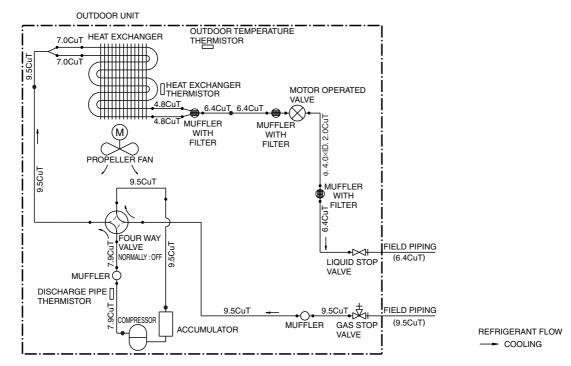


4D056137B

4D056138D

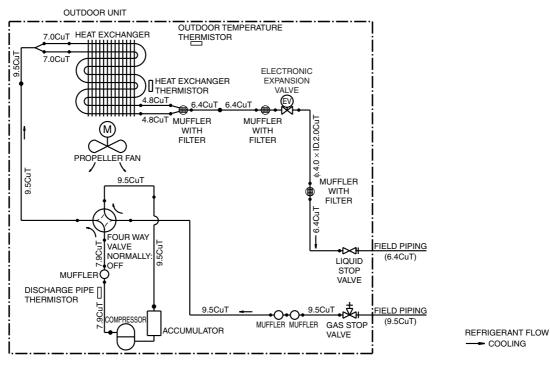
1.2 Outdoor Unit 1.2.1 Cooling Only

RKS25/35F2V1B



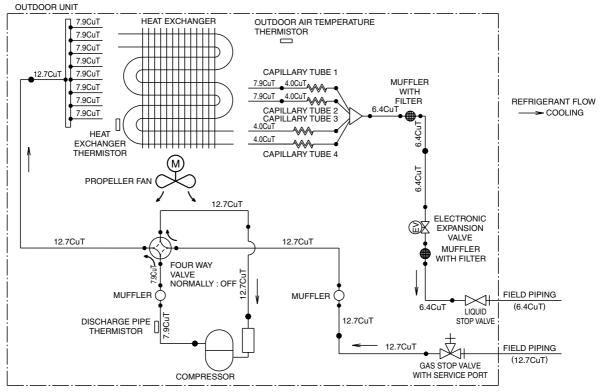
3D047318G

RKS25/35G2V1B, RKS25/35G2V1B9



3D059589G

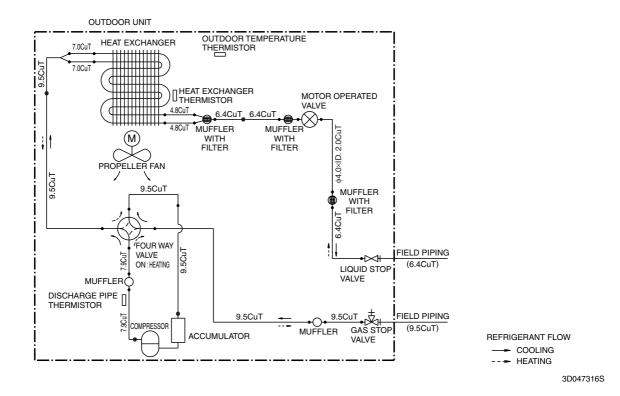
RKS50F2V1B, RKS50G2V1B



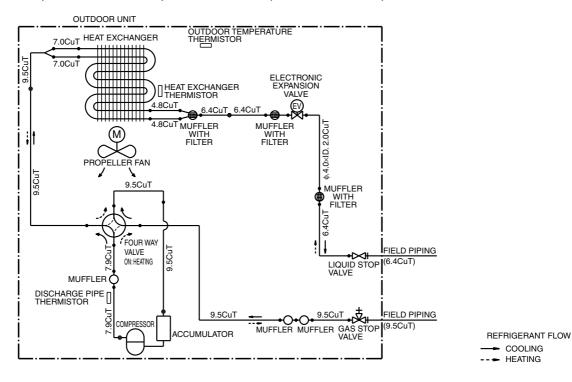
3D051636U

1.2.2 Heat Pump

RXS25/35F2V1B

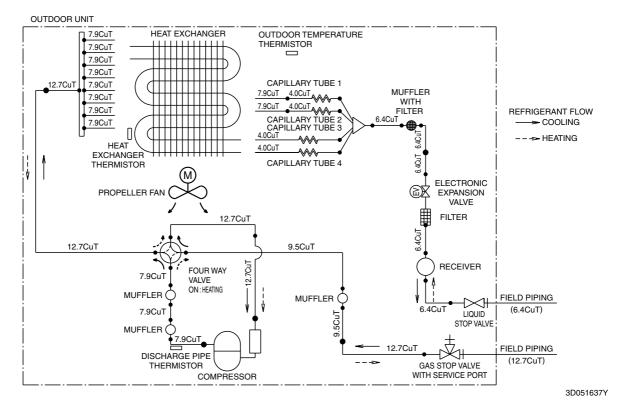


RXS25/35G2V1B, RXS25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B

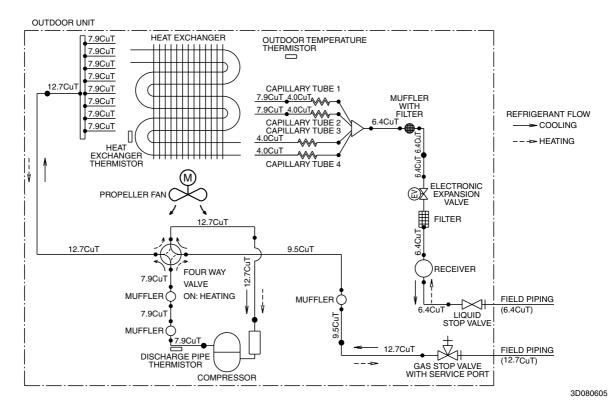


3D059586Q

RXS50F2V1B, RXS50G2V1B, RXS50J2V1B

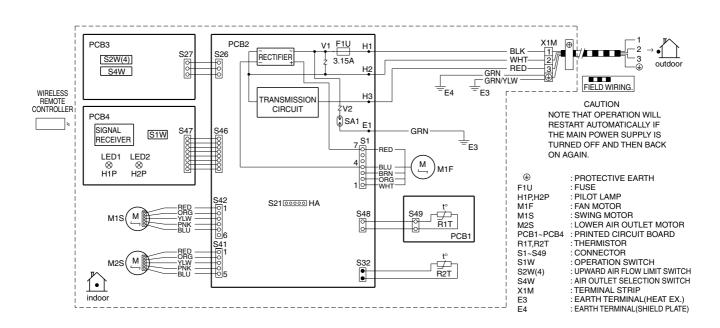


RXS50K2V1B



2. Wiring Diagrams 2.1 Indoor Unit

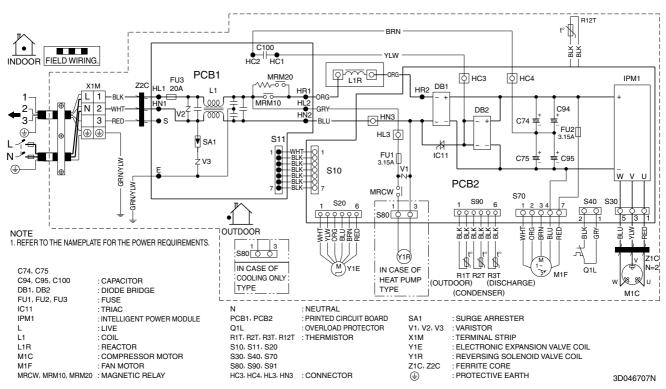
FVXS25/35/50FV1B



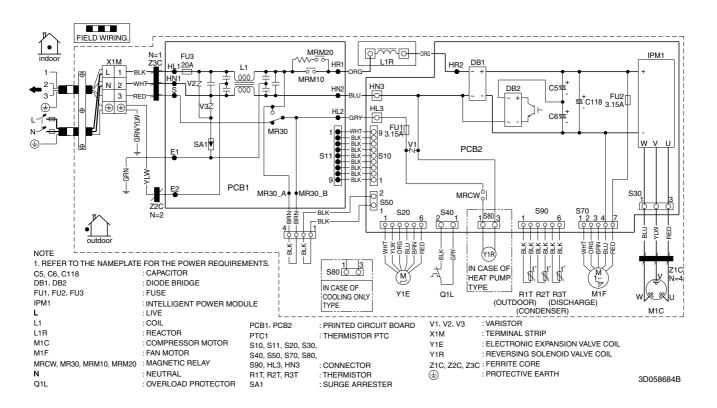
3D055953A

2.2 Outdoor Unit

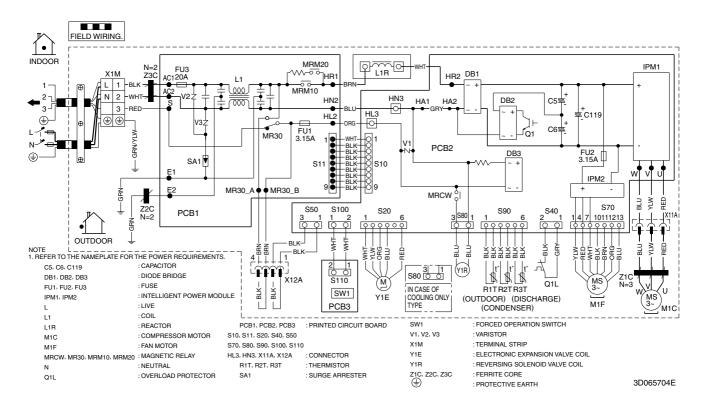
RK(X)S25/35F2V1B



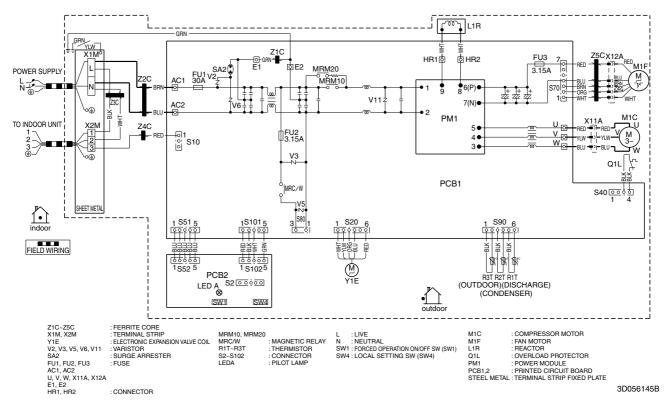
RK(X)S25/35G2V1B

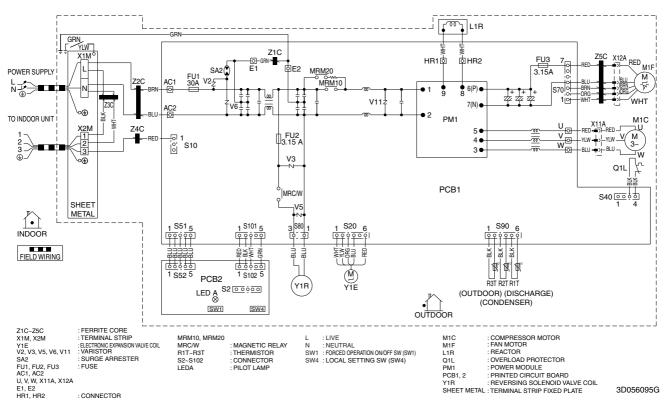


RK(X)S25/35G2V1B9, RXS25/35J2V1B, RXS25/35K2V1B, RXS25K3V1B



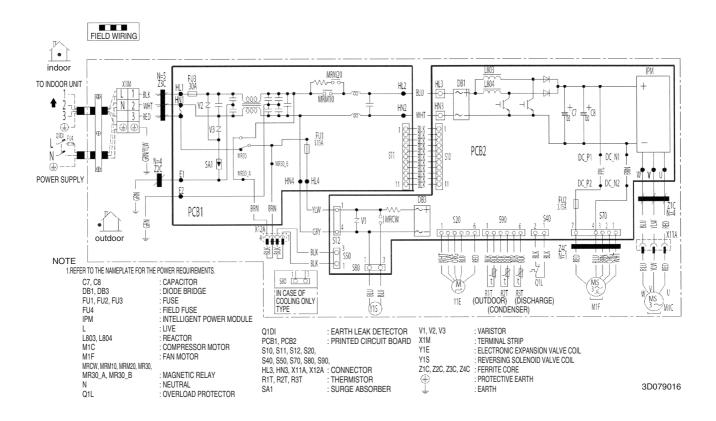
RKS50F2V1B, RKS50G2V1B





RXS50F2V1B, RXS50G2V1B, RXS50J2V1B

RXS50K2V1B



3. Removal Procedure (Booklet No.)

Refer to the following booklets for removal procedure.

- *FVXS25/35/50FV1B
- *RK(X)S25/35F2V1B
- *RK(X)S25/35G2V1B
- *RK(X)S25/35G2V1B9, RXS25/35J2V1B
- *RKS25K2V1B
- *RXS25K3V1B, RXS35K2V1B
- *RK(X)S50F2V1B, RK(X)S50G2V1B, RXS50J2V1B
- *RXS50K2V1B



Revision History

Month / Year	Version	Revised contents
03 / 2007	SiBE06-708	First edition
05 / 2010	SiBE06-708_A	Model addition: RK(X)S25/35/50G2V1B, RK(X)S25/35G2V1B9
01 / 2011	SiBE06-708_B	Model addition: RXS25/35/50J2V1B
01 / 2013	SiBE06-708_C	Model addition: RXS25/35/50K2V1B, RXS25K3V1B



- 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.

2. 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/global_ac/ @All rights reserved