

SiENBE04-507A

Service Manual

Inverter Pair Wall Mounted Type D-Series





[Applied Models] ●Inverter Pair : Cooling Only ●Inverter Pair : Heat Pump

Inverter Pair D-Series

Cooling Only

Indoor Unit

FTKS20DVMW(L) FTKS25DVMW(L) FTKS35DVMW(L) FTKS20DAVMW(L) FTKS25DAVMW(L) FTKS35DAVMW(L)	FTKS20DVMW9 FTKS25DVMW9 FTKS35DVMW9 FTKS20D3VMW(L) FTKS25D3VMW(L) FTKS35D3VMW(L)	FTKS20D2VMW(L) FTKS25D2VMW(L) FTKS35D2VMW(L)
Outdoor Unit		
RKS20DVMB RKS25DVMB RKS35DVMB	RKS20D2VMB RKS25D2VMB RKS35D2VMB	RKS20D3VMB RKS25D3VMB RKS35D3VMB
●Heat Pump		
Indoor Unit		
FTXS20DVMW(L) FTXS25DVMW(L) FTXS35DVMW(L) FTXS20DAVMW(L) FTXS25DAVMW(L) FTXS35DAVMW(L)	FTXS20DVMW9 FTXS25DVMW9 FTXS35DVMW9 FTXS20D3VMW(L) FTXS25D3VMW(L) FTXS35D3VMW(L)	FTXS20D2VMW(L) FTXS25D2VMW(L) FTXS35D2VMW(L)
Outdoor Unit		
RXS20DVMB RXS25DVMB RXS35DVMB	RXS20D2VMB RXS25D2VMB RXS35D2VMB	RXS20D3VMB RXS25D3VMB RXS35D3VMB

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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 " A Warning" and " Caution". The " Warning" items are especially important since they can lead to death or serious injury if they are not followed closely. The " Caution" items can also lead to serious accidents under some conditions if they are not followed. Therefore, be sure to observe all the safety caution items described below.
- About the pictograms
 - \triangle This symbol indicates an item for which caution must be exercised.
 - The pictogram shows the item to which attention must be paid.
 - This symbol indicates a prohibited action.
 - The prohibited item or action is shown inside or near the symbol.
 - This symbol indicates an action that must be taken, or an instruction.
 - The instruction is shown inside 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 Caution in Repair

Warning	
Be sure to disconnect the power cable plug from the plug socket before disassembling the equipment for a repair. Working on the equipment that is connected to a power supply can cause an electrical shook. If it is necessary to supply power to the equipment to conduct the repair or inspecting the circuits, do not touch any electrically charged sections of the equipment.	
If the refrigerant gas discharges during the repair work, do not touch the discharging refrigerant gas. The refrigerant gas can cause frostbite.	\bigcirc
When disconnecting the suction or discharge pipe of the compressor at the welded section, release the refrigerant gas completely at a well-ventilated place first. If there is a gas remaining inside the compressor, the refrigerant gas or refrigerating machine oil discharges when the pipe is disconnected, and it can cause injury.	
If the refrigerant gas leaks during the repair work, ventilate the area. The refrigerant gas can 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 can cause an electrical shock.	Å
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 can cause an electrical shock or fire.	\bigcirc

Varning	
Do not repair the electrical components with wet hands. Working on the equipment with wet hands can cause an electrical shock.	\bigcirc
Do not clean the air conditioner by splashing water. Washing the unit with water can cause an electrical shock.	\bigcirc
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 cause injury.	
Do not tilt the unit when removing it. The water inside the unit can spill and wet the furniture and floor.	\bigcirc
Be sure to check that the refrigerating cycle section has cooled down sufficiently before conducting repair work. Working on the unit when the refrigerating cycle section is hot can cause burns.	
Use the welder in a well-ventilated place. Using the welder in an enclosed room can cause oxygen deficiency.	0

1.1.2 Cautions Regarding Products after Repair

Warning	
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 can cause an electrical shock, excessive heat generation or fire.	
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 can fall and cause injury.	
Be sure to install the product correctly by using the provided standard installation frame. Incorrect use of the installation frame and improper installation can cause the equipment to fall, resulting in injury.	For integral units only
Be sure to install the product securely in the installation frame mounted on a window frame. If the unit is not securely mounted, it can fall and cause injury.	For integral units only
Be sure to use an exclusive power circuit for the equipment, and follow the 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 can cause an electrical shock or fire.	

Warning	
Be sure to use the specified cable to connect 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 can cause excessive heat generation or fire.	
When connecting the cable 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 can cause an electrical shock, excessive heat generation or fire.	
Do not damage or modify the power cable. Damaged or modified power cable can cause an electrical shock or fire. Placing heavy items on the power cable, and heating or pulling the power cable can damage the cable.	\bigcirc
Do not mix air or gas other than the specified refrigerant (R-410A / R22) in the refrigerant system. If air enters the refrigerating system, an excessively high pressure results, causing equipment damage and injury.	
If the refrigerant gas leaks, be sure to locate the leak and repair it before charging the refrigerant. After charging refrigerant, make sure that there is no refrigerant leak. If the leak 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 can generate toxic gases when it contacts flames, such as fan and other heaters, stoves and ranges.	0
When replacing the coin battery in the remote controller, be sure to disposed of the old battery to prevent children from swallowing it. If a child swallows the coin battery, see a doctor immediately.	

Caution	
Installation of a leakage breaker is necessary in some cases depending on the conditions of the installation site, to prevent electrical shocks.	
Do not install the equipment in a place where there is a possibility of combustible gas leaks. If a combustible gas leaks and remains around the unit, it can cause a fire.	\bigcirc
Be sure to install the packing and seal on the installation frame properly. If the packing and seal are not installed properly, water can enter the room and wet the furniture and floor.	For integral units only

1.1.3 Inspection after Repair

	Warning	
the plug in	nake sure that the power cable plug is not dirty or loose, then insert to a power outlet all the way. has dust or loose connection, it can cause an electrical shock or fire.	0
replace the	cable and wires can cause an electrical shock, excessive heat	0

Warning	
Do not use a joined power cable or extension cable, or share the same power outlet with other electrical appliances, since it can cause an electrical shock, excessive heat generation or fire.	\bigcirc
Caution	
Check to see if the parts and wires are mounted and connected properly, and if the connections at the soldered or crimped terminals are secure. Improper installation and connections can cause excessive heat generation, fire or an electrical shock.	
If the installation platform or frame has corroded, replace it. Corroded installation platform or frame can cause the unit to fall, resulting in injury.	
Check the grounding, and repair it if the equipment is not properly grounded. Improper grounding can cause an electrical shock.	ļ
Be sure to measure the insulation resistance after the repair, and make sure that the resistance is 1 Mohm or higher. Faulty insulation can cause an electrical shock.	
Be sure to check the drainage of the indoor unit after the repair. Faulty drainage can cause the water to enter the room and wet the furniture and floor.	

1.1.4 Using 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:

1.1.5 Using Icons List

Icon	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.
Ľ	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.	List of Functions	2

1. List of Functions

Category	Functions	FTKS20-35DVMW(L) RKS20-35D(2)VMB	FTXS20-35DVMW(L) RXS20-35D(2)VMB	Category	Functions	FTKS20-35DVMW(L) RKS20-35D(2)VMB	FTXS20-35DVMW(L) RXS20-35D(2)VMB
	Inverter (with Inverter Power Control)	0	0		Air Purifying Filter with Bacteriostatic,		
Basic	Operation Limit for Cooling (°CDB) ★1	–10 ∼46	_10 ∼46		Virustatic Functions	_	_
Function	Operation Limit for Heating (°CWB)		-15 ~20		Photocatalytic Deodorizing Filter	_	—
	PAM Control	0	0		Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	Oval Scroll Compressor	_	_			0	
	Swing Compressor	0	0	Health & Clean	Titanium Apatite Photocatalytic Air-Purifying Filter		0
Compressor	Rotary Compressor	_	_	Clean	Mold Proof Air Filter	0	0
	Reluctance DC Motor	0	0		Wipe-clean Flat Panel	0	0
	Power-Airflow Flap	_	_		Washable Grille	_	_
	Power-Airflow Dual Flaps	0	0		Mold Proof Operation	_	_
	Power-Airflow Diffuser	_	_		Heating Dry Operation	_	_
	Wide-Angle Louvers	0	0		Good-Sleep Cooling Operation	_	_
Comfortable	Vertical Auto-Swing (Up and Down)	0	0		24-Hour On/Off Timer	0	0
Airflow	Horizontal Auto-Swing (Right and Left)	_	_	Timer	Night Set Mode	0	0
	3-D Airflow	_	_		Auto-Restart (after Power Failure)	0	0
	Comfort Airflow Mode	0	0			0	0
	3-Step Airflow (H/P Only)	_	_	Worry Free	Self-Diagnosis (Digital, LED) Display	★2	★2
	Auto Fan Speed	0	0	"Reliability & Durability"	Wiring Error Check	_	_
	Indoor Unit Silent Operation	0	0	20102111	Anticorrosion Treatment of Outdoor	_	
	Night Quiet Mode (Automatic)	_	_		Heat Exchanger	0	0
Comfort	Outdoor Unit Silent Operation (Manual)	0	0		Multi-Split / Split Type Compatible	_	
Control	Intelligent Eye	0	0		Indoor Unit	0	0
	Quick Warming Function	_	0		Flexible Voltage Correspondence	0	0
	Hot-Start Function	_	0	Flexibility	High Ceiling Application	_	_
	Automatic Defrosting	_	0		Chargeless	10m	10m
	Automatic Operation	_	0		Either Side Drain (Right or Left)	0	0
Operation	Programme Dry Function	0	0		Power Selection	_	_
	Fan Only	0	0		5-Rooms Centralized Controller		
	New Powerful Operation (Non-Inverter)	_	_		(Option)	0	0
	Inverter Powerful Operation	0	0		Remote Control Adaptor	_	_
	Priority-Room Setting	_	_	Remote Control	(Normal Open-Pulse Contact) (Option)	0	0
	Cooling / Heating Mode Lock	_	_	Control	Remote Control Adaptor	_	_
Lifestyle	Home Leave Operation	_	_	1	(Normal Open Contact) (Option)	0	0
Convenience	ECONO Mode	0	0	1	DIII-NET Compatible (Adaptor) (Option)	0	0
	Indoor Unit On/Off Switch	0	0	Remote	Wireless	0	0
	Signal Reception Indicator	0	0	Controller	Wired	_	_
	Temperature Display	_	_				
	Another Room Operation	_	_				
Nata	O Holding Functions		ı	<u> </u>	Lower limit can be extended to –15°C by		-

Note: O : Holding Functions

— : No Functions

★1: Lower limit can be extended to -15°C by cutting jumper. (facility use only)
 ★2: Digital Only

Category	Functions	FTKS20-35DVMW9 RKS20-35D(2)VMB	FTXS20-35DVMW9 RXS20-35D(2)VMB	Category	Functions	FTKS20-35DVMW9 RKS20-35D(2)VMB	FTXS20-35DVMW9 RXS20-35D(2)VMB
	Inverter (with Inverter Power Control)	0	0		Air Purifying Filter with Bacteriostatic,		
Basic	Operation Limit for Cooling (°CDB) ★1	−10 ~46	_10 ~46		Virustatic Functions	_	—
Function	Operation Limit for Heating (°CWB)	_	-15 ~20		Photocatalytic Deodorizing Filter	—	—
	PAM Control	0	0	-	Air Purifying Filter with Photocatalytic Deodorizing Function	—	
	Oval Scroll Compressor	<u> </u>	<u> </u>	-			
	Swing Compressor	0	0	Health &	Titanium Apatite Photocatalytic Air-Purifying Filter	0	0
Compressor	Rotary Compressor		_	Clean	Mold Proof Air Filter	0	0
	Reluctance DC Motor	0	0	-	Wipe-clean Flat Panel	0	0
	Power-Airflow Flap	_	_	-	Washable Grille	_	_
	Power-Airflow Dual Flaps	0	0	-	Mold Proof Operation	_	
	Power-Airflow Diffuser	_	_	-	Heating Dry Operation	_	
	Wide-Angle Louvers	0	0	-	Good-Sleep Cooling Operation	_	_
Comfortable	Vertical Auto-Swing (Up and Down)	0	0		24-Hour On/Off Timer	0	0
Airflow	Horizontal Auto-Swing (Right and Left)	_	_	Timer	Night Set Mode	0	0
	3-D Airflow	_	_		Auto-Restart (after Power Failure)	0	0
	Comfort Airflow Mode	0	0			0	0
	3-Step Airflow (H/P Only)		_	Worry Free	Self-Diagnosis (Digital, LED) Display	★2	★ 2
	Auto Fan Speed	0	0	"Reliability & Durability"	Wiring Error Check	_	_
	Indoor Unit Silent Operation	0	0	Darability	Anticorrosion Treatment of Outdoor	_	_
	Night Quiet Mode (Automatic)	_	_		Heat Exchanger	0	0
Comfort	Outdoor Unit Silent Operation (Manual)	0	0		Multi-Split / Split Type Compatible	_	
Control	Intelligent Eye	0	0		Indoor Unit	0	0
	Quick Warming Function	_	0		Flexible Voltage Correspondence	0	0
	Hot-Start Function	_	0	Flexibility	High Ceiling Application	_	_
	Automatic Defrosting	_	0		Chargeless	10m	10m
	Automatic Operation	_	0		Either Side Drain (Right or Left)	0	0
Operation	Programme Dry Function	0	0		Power Selection	_	_
	Fan Only	0	0		5-Rooms Centralized Controller	_	
	New Powerful Operation (Non-Inverter)	_	_		(Option)	0	0
	Inverter Powerful Operation	0	0		Remote Control Adaptor	_	
	Priority-Room Setting	_	_	Remote Control	(Normal Open-Pulse Contact) (Option)	0	0
	Cooling / Heating Mode Lock	_	_	Control	Remote Control Adaptor	_	
Lifestyle	Home Leave Operation	_	—	1	(Normal Open Contact) (Option)	0	0
Convenience	ECONO Mode	0	0	1	DIII-NET Compatible (Adaptor) (Option)	0	0
	Indoor Unit On/Off Switch	0	0	Remote	Wireless	0	0
	Signal Reception Indicator	0	0	Controller	Wired	—	
	Temperature Display	—	—				
	Another Room Operation	_	—				
Nata	O : Holding Functions	1			Lower limit can be extended to –15°C b		

— : No Functions

★1: Lower limit can be extended to -15°C by cutting jumper. (facility use only)
 ★2: Digital Only

Category	Functions		FTXS20-35D2VMW(L) RXS20-35D(2)VMB	Category	Functions	FTKS20-35D2VMW(L) RKS20-35D(2)VMB	FTXS20-35D2VMW(L) RXS20-35D(2)VMB	
	Inverter (with Inverter Power Control)	Air Purifying Filter with Bacteriostatic,						
Basic	Operation Limit for Cooling (°CDB) ★1		−10 ~46		Virustatic Functions	—	—	
Function	Operation Limit for Heating (°CWB)	_	-15 ~20		Photocatalytic Deodorizing Filter	—	—	
	PAM Control	0	~20		Air Purifying Filter with Photocatalytic Deodorizing Function	_	—	
	Oval Scroll Compressor	-	<u> </u>		Titanium Apatite Photocatalytic			
	Swing Compressor	0	0	Health & Clean	Air-Purifying Filter	0	0	
Compressor	Rotary Compressor	_	_	Clean	Mold Proof Air Filter	0	0	
	Reluctance DC Motor	0	0		Wipe-clean Flat Panel	0	0	
	Power-Airflow Flap	_	_		Washable Grille	_	_	
	Power-Airflow Dual Flaps	0	0		Mold Proof Operation	—	_	
	Power-Airflow Diffuser		_		Heating Dry Operation	_	—	
	Wide-Angle Louvers	0	0		Good-Sleep Cooling Operation	_	—	
Comfortable Airflow	Vertical Auto-Swing (Up and Down)	0	0	-	24-Hour On/Off Timer	0	0	
Airnow	Horizontal Auto-Swing (Right and Left)	_	—	Timer	Night Set Mode	0	0	
	3-D Airflow	-	_		Auto-Restart (after Power Failure)	0	0	
	Comfort Airflow Mode	0	0			0	0	
	3-Step Airflow (H/P Only)	_	—	Worry Free	Self-Diagnosis (Digital, LED) Display	★2	★2	
	Auto Fan Speed	0	0	"Reliability & Durability"	Wiring Error Check	—	—	
	Indoor Unit Silent Operation	0	0		Anticorrosion Treatment of Outdoor	~	~	
	Night Quiet Mode (Automatic)		—		Heat Exchanger	0	0	
Comfort	Outdoor Unit Silent Operation (Manual)	0	0		Multi-Split / Split Type Compatible	0	0	
Control	Intelligent Eye	0	0		Indoor Unit	0	U	
	Quick Warming Function	_	0		Flexible Voltage Correspondence	0	0	
	Hot-Start Function	-	0	Flexibility	High Ceiling Application	—	—	
	Automatic Defrosting	_	0		Chargeless	10m	10m	
	Automatic Operation	—	0		Either Side Drain (Right or Left)	0	0	
Operation	Programme Dry Function	0	0		Power Selection	—	—	
	Fan Only	0	0		5-Rooms Centralized Controller	0	0	
	New Powerful Operation (Non-Inverter)	_	—		(Option)	0	0	
	Inverter Powerful Operation	0	0		Remote Control Adaptor	0	0	
	Priority-Room Setting	_	—	Remote Control	(Normal Open-Pulse Contact) (Option)	0	0	
	Cooling / Heating Mode Lock	—	-	ļ	Remote Control Adaptor	0	0	
Lifestyle	Home Leave Operation	—	—	ļ	(Normal Open Contact) (Option)	Ŭ	Ŭ	
Convenience	ECONO Mode	0	0		DIII-NET Compatible (Adaptor) (Option)	0	0	
	Indoor Unit On/Off Switch	0	0	Remote	Wireless	0	0	
	Signal Reception Indicator	0	0	Controller	Wired	—	—	
1	Temperature Display		—					
	Another Room Operation	—	—					
Natar	O : Holding Functions			-1-1 -	Lower limit can be extended to -15°C by		~	

— : No Functions

★1 : Lower limit can be extended to -15°C by cutting jumper. (facility use only)
 ★2 : Digital Only

	Functions		AVMW(L) VMB			AVMW(L) VMB	AVMW(L) VMB
Category			FTXS20-35DAVMW(L) RXS20-35D3VMB	Category	Functions	FTKS20-35DAVMW(L) RKS20-35D3VMB	FTXS20-35DAVMW(L) RXS20-35D3VMB
	Inverter (with Inverter Power Control)	0	0				
Basic	Operation Limit for Cooling (°CDB) ★1	−10 ~46	−10 ~46		Air Purifying Filter with Bacteriostatic, Virustatic Functions	-	—
Function	Operation Limit for Heating (°CWB)	_	-15 ~20		Photocatalytic Deodorizing Filter	—	—
	PAM Control	0	0	-	Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	Oval Scroll Compressor	_	_	-	Titanium Apatite Photocatalytic		
	Swing Compressor	0	0	Health & Clean	Air-Purifying Filter	0	0
Compressor	Rotary Compressor	_	_	Cican	Mold Proof Air Filter	0	0
	Reluctance DC Motor	0	0	-	Wipe-clean Flat Panel	0	0
	Power-Airflow Flap	_	_		Washable Grille	_	—
	Power-Airflow Dual Flaps	0	0	-	Mold Proof Operation	_	_
	Power-Airflow Diffuser	_	_		Heating Dry Operation	_	_
	Wide-Angle Louvers	0	0	-	Good-Sleep Cooling Operation	_	_
Comfortable Airflow	Vertical Auto-Swing (Up and Down)	0	0		24-Hour On/Off Timer	0	0
AITIOW	Horizontal Auto-Swing (Right and Left)	_	_	Timer	Night Set Mode	0	0
	3-D Airflow	_	_		Auto-Restart (after Power Failure)	0	0
	Comfort Airflow Mode	0	0	-	Self-Diagnosis (Digital, LED) Display	0	0
	3-Step Airflow (H/P Only)	_	_	Worry Free		★2	★ 2
	Auto Fan Speed	0	0	"Reliability & Durability"	Wiring Error Check	_	_
	Indoor Unit Silent Operation	0	0		Anticorrosion Treatment of Outdoor	_	
	Night Quiet Mode (Automatic)	_	_		Heat Exchanger	0	0
Comfort	Outdoor Unit Silent Operation (Manual)	0	0		Multi-Split / Split Type Compatible		
Control	Intelligent Eye	0	0		Indoor Unit	0	0
	Quick Warming Function	_	0		Flexible Voltage Correspondence	0	0
	Hot-Start Function		0	Flexibility	High Ceiling Application	—	—
	Automatic Defrosting	_	0		Chargeless	10m	10m
	Automatic Operation	_	0		Either Side Drain (Right or Left)	0	0
Operation	Programme Dry Function	0	0		Power Selection	—	—
	Fan Only	0	0		5-Rooms Centralized Controller	0	0
	New Powerful Operation (Non-Inverter)	_			(Option)		0
	Inverter Powerful Operation	0	0		Remote Control Adaptor	0	0
	Priority-Room Setting	_		Remote Control	(Normal Open-Pulse Contact) (Option)		0
	Cooling / Heating Mode Lock	_	_		Remote Control Adaptor	0	0
Lifestyle	Home Leave Operation	_	_		(Normal Open Contact) (Option)		
Convenience	ECONO Mode	0	0		DIII-NET Compatible (Adaptor) (Option)	0	0
	Indoor Unit On/Off Switch	0	0	Remote	Wireless	0	0
	Signal Reception Indicator	0	0	Controller	Wired	_	—
	Temperature Display		_				
	Another Room Operation	_	—				
Natar	O : Holding Functions			±1.	Lower limit can be extended to -15°C by		~

— : No Functions

★1: Lower limit can be extended to -15°C by cutting jumper. (facility use only)
 ★2: Digital Only

Category	Functions		FTXS20-35D3VMW(L) RXS20-35D3VMB	Category	Functions	FTKS20-35D3VMW(L) RKS20-35D3VMB	FTXS20-35D3VMW(L) RXS20-35D3VMB
		FTKS20-35D3VMW(L) RKS20-35D3VMB	FTXS2 RXS20			FTKS2 RKS20	FTXS2 RXS20
	Inverter (with Inverter Power Control)	0 -10	0		Air Purifying Filter with Bacteriostatic,		
Basic	Operation Limit for Cooling (°CDB) ★1		_10 ~46		Virustatic Functions	_	—
Function	Operation Limit for Heating (°CWB)	_	_15 ~20		Photocatalytic Deodorizing Filter	—	—
	PAM Control	0	0		Air Purifying Filter with Photocatalytic Deodorizing Function	—	—
	Oval Scroll Compressor	_	_		Titanium Apatite Photocatalytic		
	Swing Compressor	0	0	Health & Clean	Air-Purifying Filter	0	0
Compressor	Rotary Compressor	_	_	olean	Mold Proof Air Filter	0	0
	Reluctance DC Motor	0	0		Wipe-clean Flat Panel	0	0
	Power-Airflow Flap	_	—		Washable Grille	—	—
	Power-Airflow Dual Flaps	0	0		Mold Proof Operation	—	—
	Power-Airflow Diffuser	_	_		Heating Dry Operation	—	—
	Wide-Angle Louvers	0	0		Good-Sleep Cooling Operation	—	_
Comfortable Airflow	Vertical Auto-Swing (Up and Down)	0	0	-	24-Hour On/Off Timer	0	0
Airnow	Horizontal Auto-Swing (Right and Left)	_		Timer	Night Set Mode	0	0
	3-D Airflow	_	_		Auto-Restart (after Power Failure)	0	0
	Comfort Airflow Mode	0	0			0	0
	3-Step Airflow (H/P Only)	_	_	Worry Free	Self-Diagnosis (Digital, LED) Display	★2	★2
-	Auto Fan Speed	0	0	"Reliability & Durability"	Wiring Error Check	_	_
	Indoor Unit Silent Operation	0	0		Anticorrosion Treatment of Outdoor	~	~
	Night Quiet Mode (Automatic)	_	_		Heat Exchanger	0	0
Comfort	Outdoor Unit Silent Operation (Manual)	0	0		Multi-Split / Split Type Compatible	0	0
Control	Intelligent Eye	0	0		Indoor Unit	0	U
	Quick Warming Function —		0		Flexible Voltage Correspondence	0	0
	Hot-Start Function		0	Flexibility	High Ceiling Application	—	—
	Automatic Defrosting	_	0		Chargeless	10m	10m
	Automatic Operation	_	0		Either Side Drain (Right or Left)	0	0
Operation	Programme Dry Function	0	0		Power Selection	—	—
	Fan Only	0	0		5-Rooms Centralized Controller	0	0
	New Powerful Operation (Non-Inverter)				(Option)	0	U
	Inverter Powerful Operation	0	0	Demot	Remote Control Adaptor	0	0
	Priority-Room Setting	_	—	Remote Control	(Normal Open-Pulse Contact) (Option)		
	Cooling / Heating Mode Lock	_	—	ļ	Remote Control Adaptor	0	0
Lifestyle	Home Leave Operation	—	—]	(Normal Open Contact) (Option)		Ŭ
Convenience	ECONO Mode	0	0		DIII-NET Compatible (Adaptor) (Option)	0	0
	Indoor Unit On/Off Switch	0	0	Remote	Wireless	0	0
	Signal Reception Indicator	0	0	Controller	Wired	—	—
1	Temperature Display	_	—				
	Another Room Operation						
Notor	O : Holding Functions			· 1 ا	Lower limit can be extended to -15°C by		~

— : No Functions

★1 : Lower limit can be extended to -15°C by cutting jumper. (facility use only)
 ★2 : Digital Only

Part 2 Specifications

1. S	pec	cifications	8
	-	Cooling Only	
		Heat Pump	

Specifications Cooling Only

50Hz 230V

Models	Indoor Units		FTKS20DVMW(9)	FTKS20DVMW(9)	FTKS20D2VMW	
mouera	Outdoor Units		RKS20DVMB	RKS20D2VMB	RKS20DVMB	
		kW	2.0 (1.3~2.6)	2.0 (1.3~2.6)	2.0 (1.3~2.6)	
Capacity	()	Btu/h	6,820 (4,430~8,900)	6,820 (4,430~8,900)	6,820 (4,430~8,900)	
Rated (Min.~M	lax.)	kcal/h	1,720 (1,120~2,240)	1,720 (1,120~2,240)	1,720 (1,120~2,240)	
Moisture Remo	oval	L/h	0.9	0.9	0.9	
Running Curre		A	2.7	2.7	2.7	
Power Consum						
Rated (Min.~M	lax.)	W	490 (300~830)	490 (300~830)	490 (300~830)	
Power Factor		%	78.9	78.9	78.9	
COP Rated (Min.~M	lax.)	W/W	4.08 (4.33~3.13)	4.08 (4.33~3.13)	4.08 (4.33~3.13)	
Distant	Liquid	mm	φ 6.4	φ 6.4	φ 6.4	
Piping Connections	Gas	mm	φ 9.5	φ 9.5	φ 9.5	
Connectione	Drain	mm	φ18.0	φ 18 .0	φ18.0	
Heat Insulation	ı		Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	
Indoor Units			FTKS20DVMW	FTKS20DVMW(9)	FTKS20D2VMW	
Front Panel Co	olor		White	White	White	
		Н	8.7 (307)	8.7 (307)	8.7 (307)	
	mł/min	М	6.7 (237)	6.7 (237)	6.7 (237)	
Air Flow Rate	(cfm)	L	4.7 (166)	4.7 (166)	4.7 (166)	
		SL	3.9 (138)	3.9 (138)	3.9 (138)	
	Туре	ŰL	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	
Fan	Motor Output	W	40	40	40	
Fall	Speed		5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto	
Air Direction C		Steps	Right, Left, Horizontal, Downward	•	•	
Air Direction Co	ontrol		3	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	
Running Curre	()	A	0.16	0.16	0.16	
Power Consum	nption (Rated)	W	35	35	35	
Power Factor		%	95.1	95.1	95.1	
Temperature C	Control		Microcomputer Control	Microcomputer Control	Microcomputer Control	
Dimensions (H	I×W×D)	mm	283×800×195	283×800×195	283×800×195	
Packaged Dim	ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340	
Weight		kg	9	9	9	
Gross Weight		kg	12	12	12	
Operation Sound	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	38 / 25 / 22	
			56	56	56	
Sound Power	Н	dBA	50			
Sound Power Outdoor Units		dBA	RKS20DVMB	RKS20D2VMB	RKS20DVMB	
Outdoor Units		dBA		RKS20D2VMB Ivory White	RKS20DVMB Ivory White	
	3	dBA	RKS20DVMB Ivory White	Ivory White	Ivory White	
Outdoor Units Casing Color	Туре	dBA	RKS20DVMB Ivory White Hermetically Sealed Swing Type	Ivory White Hermetically Sealed Swing Type	Ivory White Hermetically Sealed Swing Type	
Outdoor Units	Type Model		RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A	
Outdoor Units Casing Color Compressor	Type Model Motor Output	dBA W	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600	
Outdoor Units Casing Color	Type Model Motor Output Type	W	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K	
Outdoor Units Casing Color Compressor Refrigerant	Type Model Motor Output Type Charge		RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375	
Outdoor Units Casing Color Compressor Refrigerant	Type Model Motor Output Type Charge Type	W L	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A	
Outdoor Units Casing Color Compressor Refrigerant Oil	Type Model Motor Output Type Charge Type Charge	W L kg	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	
Outdoor Units Casing Color Compressor Refrigerant Oil	Type Model Motor Output Type Charge Type Charge ml/min	W L kg H	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant	Type Model Motor Output Type Charge Type Charge mi/min (cfm)	W L kg	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type	W L Kg H L	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output	W L Kg H L W	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	W L Kg H L W A	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	W L H L W A W	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) mption (Rated)	W L Kg H L L W A W W X	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer	Type Model Motor Output Type Charge Type Charge m//min (cfm) Type Motor Output nt (Rated) nption (Rated)	W L H L W A W % A	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H	Type Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) mption (Rated) nt (×W×D)	W L Kg H L L W A W W X	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 777.9 2.7 550×765×285	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 777.9 2.7 550×765×285	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim	Type Model Motor Output Type Charge Type Charge m//min (cfm) Type Motor Output nt (Rated) nption (Rated)	W L H L W A W % A	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H	Type Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) mption (Rated) nt (×W×D)	W L H L W A W % A M W M A M M	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 777.9 2.7 550×765×285	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 777.9 2.7 550×765×285	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim	Type Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) mption (Rated) nt (×W×D)	W L H L W A W A W % A M M M M M M	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Type Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) mption (Rated) nt (×W×D)	W L Kg H L U W A W A A W Kg	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	
Outdoor Units Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt IXW×D) ensions (H×W×D)	W L Kg H L U W A W A A W % A A mm mm kg kg	RKS20DVMB Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 777.9 2.7 550×765×285 589×882×363 30 35	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	Ivory White Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	

Note: ■ MAX. interunit piping length: 20m

MAX. interunit height difference: 15m

Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
 The data are based on the conditions shown in the table below.

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

Conversion Formulae	
kcal/h=kW×860 Btu/h=kW×3414 cfm=mł/min×35.3	

	Indoor Units		FTKS20D2VMW	FTKS20DVML	FTKS20DVML	
Models	Outdoor Units		RKS20D2VMB	RKS20DVMB	RKS20D2VMB	
	outdoor onnto	kW	2.0 (1.3~2.6)	2.0 (1.3~2.6)	2.0 (1.3~2.6)	
Capacity		Btu/h	6,820 (4,430~8,900)	6,820 (4,430~8,900)	6,820 (4,430~8,900)	
Rated (Min.~N	lax.)	kcal/h	1,720 (1,120~2,240)	1,720 (1,120~2,240)	1,720 (1,120~2,240)	
Moisture Remo	aval	L/h	0.9	0.9	0.9	
		2.7	2.7	2.7		
Running Curre		A	2.1	2.1	2.1	
Power Consun Rated (Min.~N		W	490 (300~830)	490 (300~830)	490 (300~830)	
Power Factor		%	78.9	78.9	78.9	
COP Rated (Min.~N	lax.)	W/W	4.08 (4.33~3.13)	4.08 (4.33~3.13)	4.08 (4.33~3.13)	
	Liquid	mm	φ 6.4	φ 6.4	φ 6.4	
Piping Connections	Gas	mm	φ 9.5	φ 9.5	φ 9.5	
Connections	Drain	mm	¢18.0	¢18.0	¢18.0	
Heat Insulation	1		Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liguid and Gas Pipes	
Indoor Units			FTKS20D2VMW	FTKS20DVML	FTKS20DVMWL	
Front Panel Co	olor		White	Silver Line	Silver Line	
		Н	8.7 (307)	8.7 (307)	8.7 (307)	
	ml/min	M	6.7 (237)	6.7 (237)	6.7 (237)	
Air Flow Rate	mł/min (cfm)	L	4.7 (166)	4.7 (166)	4.7 (166)	
	(0.11)	SL	3.9 (138)	3.9 (138)	3.9 (138)	
	-	SL				
_	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	
Fan	Motor Output	W	40	40	40	
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto	
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo	
Running Curre	ent (Rated)	Α	0.16	0.16	0.16	
Power Consun	nption (Rated)	W	35	35	35	
Power Factor	,	%	95.1	95.1	95.1	
Temperature (Control		Microcomputer Control	Microcomputer Control	Microcomputer Control	
Dimensions (H		mm	283×800×195	283×800×195	283×800×195	
(ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340	
Weight		kg	9	9	9	
Gross Weight		kg	12	12	12	
Operation	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	38 / 25 / 22	
Sound						
Sound Power	Н	dBA	56	56	56	
Outdoor Units			RKS20D2VMB	RKS20DVMB	RKS20D2VMB	
			Ivory White	Ivory White	Ivory White	
Casing Color					,	
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	
Casing Color Compressor	Model		1YC23NXD#A	1YC23NXD#A	Hermetically Sealed Swing Type 1YC23NXD#A	
		W	1YC23NXD#A 600	1YC23NXD#A 600	Hermetically Sealed Swing Type 1YC23NXD#A 600	
Compressor Refrigerant	Model Motor Output Type	W	1YC23NXD#A 600 FVC50K	1YC23NXD#A 600 FVC50K	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K	
Compressor	Model Motor Output Type Charge	W	1YC23NXD#A 600 FVC50K 0.375	1YC23NXD#A 600 FVC50K 0.375	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375	
Compressor Refrigerant Oil	Model Motor Output Type		1YC23NXD#A 600 FVC50K	1YC23NXD#A 600 FVC50K	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K	
Compressor Refrigerant	Model Motor Output Type Charge		1YC23NXD#A 600 FVC50K 0.375	1YC23NXD#A 600 FVC50K 0.375	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375	
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type	L	1YC23NXD#A 600 FVC50K 0.375 R-410A	1YC23NXD#A 600 FVC50K 0.375 R-410A	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A	
Compressor Refrigerant Oil	Model Motor Output Type Charge Type Charge	L	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	
Compressor Refrigerant Oil Refrigerant Air Flow Rate	Model Motor Output Type Charge Type Charge ml/min (cfm)	L kg H	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1.278) 25.7 (907)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge m/min (cfm) Type	L kg H L	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output	L kg H L	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output ent (Rated)	L kg H L W A	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output ent (Rated)	L kg H L W A W	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W %	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curre	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W % A	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) Mt NW×D)	L kg H L W A W % A M W	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W % A M M M m m m m	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Currer Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) Mt NW×D)	L kg H L W A W % A M W	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1.278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curree Power Consun Power Factor Starting Curreet Dimensions (H Packaged Dim Weight Gross Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) Mt NW×D)	L kg H L W A W % A M M M m m m m	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Currer Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) Mt NW×D)	L kg H L W A W % A M M M kg	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Curren Dimensions (H Packaged Dim Weight Gross Weight Operation	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output int (Rated) inption (Rated) int I×W×D) tensions (H×W×D)	L kg H L W A W % A mm kg kg	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
Btu/h=kW×3414 cfm=mł/min×35.3

	Indoor Units		FTKS20D2VML	FTKS20D2VML
Models	Outdoor Units		RKS20DVMB	RKS20D2VMB
		kW	2.0 (1.3~2.6)	2.0 (1.3~2.6)
Capacity		Btu/h	6,820 (4,430~8,900)	6,820 (4,430~8,900)
Rated (Min.~N	ax.)	kcal/h	1,720 (1,120~2,240)	1,720 (1,120~2,240)
Moisture Remo	wal	L/h	0.9	0.9
Running Curre		A	2.7	2.7
	. ,		2.1	2.1
Power Consun Rated (Min.~N		W	490 (300~830)	490 (300~830)
Power Factor		%	78.9	78.9
COP Rated (Min.~N	ax.)	W/W	4.08 (4.33~3.13)	4.08 (4.33~3.13)
	Liquid	mm	φ 6.4	φ 6.4
Piping Connections	Gas	mm	¢ 9.5	φ 9.5
Connections	Drain	mm	¢18.0	¢18.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Indoor Units	-		FTKS20D2VML	FTKS20D2VML
Front Panel Co	lor		Silver Line	Silver Line
		н	8.7 (307)	8.7 (307)
	and the she	M	6.7 (237)	
Air Flow Rate	mł/min (cfm)			6.7 (237)
	(only)	L	4.7 (166)	4.7 (166)
	_	SL	3.9 (138)	3.9 (138)
_	Туре		Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, 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	nt (Rated)	А	0.16	0.16
Power Consun	option (Rated)	W	35	35
Power Factor	···· (····)	%	95.1	95.1
Temperature C	Control	,.	Microcomputer Control	Microcomputer Control
Dimensions (H		mm	283×800×195	283×800×195
(ensions (H×W×D)	mm	265×855×340	265×855×340
Weight			9	9
Gross Weight		kg	12	12
Operation		kg		
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22
Sound Power	Н	dBA	56	56
Outdoor Units	;		RKS20DVMB	RKS20D2VMB
Casing Color			Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD#A	1YC23NXD#A
	Motor Output	W	600	600
Refrigerant	Туре		FVC50K	FVC50K
Oil	Charge	L	0.375	0.375
	Туре		R-410A	R-410A
Refrigerant	Charge	kg	0.8	0.8
		H	36.2 (1,278)	36.2 (1,278)
Air Flow Rate	mł/min (cfm)	L		
			25.7 (907)	25.7 (907)
Fan	Туре		Propeller	Propeller
	Motor Output	w	50	50
Running Curre	. ,	A	2.54	2.54
Power Consum	nption (Rated)	W	455	455
Power Factor		%	77.9	77.9
Starting Curren		A	2.7	2.7
Dimensions (H	,	mm	550×765×285	550×765×285
Packaged Dim	ensions (H×W×D)	mm	589×882×363	589×882×363
Weight		kg	30	30
Gross Weight		kg	35	35
Operation Sound	H/L	dBA	46 / 43	46 / 43
Sound Power	Н		61	61
Drawing No.	П	dBA	61	
			3D051044	3D051056

Note:

- MAX. interunit piping length: 20m
 MAX. interunit height difference: 15m
- Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
 The data are based on the conditions shown in the table below.

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

Conversion Formulae kcal/h=kW×860 Btu/h=kW×3414 cfm=mł/min×35.3

	Indoor Units		FTKS25DVMW(9)	FTKS25DVMW(9)	FTKS25D2VMW
Models	Outdoor Units		RKS25DVMB	RKS25D2VMB	RKS25DVMB
		kW	2.5 (1.3~3.0)	2.5 (1.3~3.0)	2.5 (1.3~3.0)
Capacity		Btu/h	8,550 (4,450~10,250)	8,550 (4,450~10,250)	8,550 (4,450~10,250)
Rated (Min.~N	lax.)	kcal/h	2,150 (1,120~2,580)	2,150 (1,120~2,580)	2,150 (1,120~2,580)
Maiatura Dam	aval	L/h	1.2	1.2	1.2
Running Curre		A	3.8	3.8	3.8
Power Consur Rated (Min.~N	nption lax.)	W	685 (300~960)	685 (300~960)	685 (300~960)
Power Factor		%	78.4	78.4	78.4
COP Rated (Min.~N	lax.)	W/W	3.65 (4.33~3.13)	3.65 (4.33~3.13)	3.65 (4.33~3.13)
	Liquid	mm	φ 6.4	φ 6.4	φ 6.4
Piping Connections	Gas	mm	φ 9.5	φ 9.5	φ 9.5
Connections	Drain	mm	¢18.0	¢18.0	¢18.0
Heat Insulation	1		Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liguid and Gas Pipes
Indoor Units	•		FTKS25DVMW(9)	FTKS25DVMW(9)	FTKS25D2VMW
Front Panel Co	olor		White	White	White
		Н	8.7 (307)	8.7 (307)	8.7 (307)
		M	6.7 (237)	6.7 (237)	6.7 (237)
Air Flow Rate	mł/min (cfm)				
	(oiiii)	L	4.7 (166)	4.7 (166)	4.7 (166)
		SL	3.9 (138)	3.9 (138)	3.9 (138)
_	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo
Running Curre	ent (Rated)	А	0.16	0.16	0.16
Power Consur	nption (Rated)	W	35	35	35
		%	95.1	95.1	95.1
Temperature (Control		Microcomputer Control	Microcomputer Control	Microcomputer Control
		mm	283×800×195	283×800×195	283×800×195
,	iensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340
Weight			9	9	9
Gross Weight		kg	12	12	12
Operation	H/L/SL	kg dBA	38 / 25 / 22	38 / 25 / 22	38 / 25 / 22
Sound	-				
Sound Power		dBA	56	56	56
Outdoor Units		RKS25DVMB	RKS25D2VMB	RKS25DVMB	
Casing Color			Ivory White	Ivory White	Ivory White
Saong Color	-				
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Type Model		Hermetically Sealed Swing Type 1YC23NXD#A	Hermetically Sealed Swing Type 1YC23NXD#A	Hermetically Sealed Swing Type 1YC23NXD#A
		W	,		1YC23NXD#A 600
	Model	W	1YC23NXD#A	1YC23NXD#A	1YC23NXD#A
Compressor	Model Motor Output	W	1YC23NXD#A 600	1YC23NXD#A 600	1YC23NXD#A 600
Compressor Refrigerant Oil	Model Motor Output Type		1YC23NXD#A 600 FVC50K	1YC23NXD#A 600 FVC50K	1YC23NXD#A 600 FVC50K
Compressor Refrigerant	Model Motor Output Type Charge		1YC23NXD#A 600 FVC50K 0.375	1YC23NXD#A 600 FVC50K 0.375	1YC23NXD#A 600 FVC50K 0.375
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge	L	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8
Compressor Refrigerant Oil	Model Motor Output Type Charge Type	L kg H	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge ml/min (cfm)	L	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge m/min (cfm) Type	L kg H L	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1.278) 25.7 (907) Propeller	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output	L kg H L W	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output mt (Rated)	L kg H L W A	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1.278) 25.7 (907) Propeller 50 3.64
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output mt (Rated)	L kg H L W A W	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor	Model Motor Output Type Charge Type Charge m!/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W %	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Curre	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W % A	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Curre Dimensions (F	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) int (×W×D)	L kg H L W A W % A mm	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Curren Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W % A	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Curre Dimensions (F	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) int (×W×D)	L kg H L W A W % A mm	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Curren Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) int (×W×D)	L kg H L W A W % A M W % A mm mm	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Curren Dimensions (I- Packaged Dim Weight Gross Weight Operation	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) int (×W×D)	L kg H L W A W % A M M M kg	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curree Power Consur Power Factor Starting Curree Dimensions (H Packaged Dim Weight Gross Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) mption (Rated) nt I×W×D) tensions (H×W×D) H / L	L kg H L W A W % A M M M kg kg	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

1	Indoor Units		FTKS25D2VMW	FTKS25DVML	FTKS25DVML
Models	Outdoor Units		RKS25D2VMB	RKS25DVMB	RKS25D2VMB
		kW	2.5 (1.3~3.0)	2.5 (1.3~3.0)	2.5 (1.3~3.0)
Capacity		Btu/h	8,550 (4,450~10,250)	8,550 (4,450~10,250)	8,550 (4,450~10,250)
Rated (Min.~M	lax.)	kcal/h	2,150 (1,120~2,580)	2,150 (1,120~2,580)	2,150 (1,120~2,580)
Moisture Remo	oval	L/h	1.2	1.2	1.2
Running Curre		A	3.8	3.8	3.8
Power Consun	(/				
Rated (Min.~M		W	685 (300~960)	685 (300~960)	685 (300~960)
Power Factor		%	78.4	78.4	78.4
COP Rated (Min.~M	lax.)	W/W	3.65 (4.33~3.13)	3.65 (4.33~3.13)	3.65 (4.33~3.13)
Distant	Liquid	mm	φ 6.4	φ 6.4	φ 6.4
Piping Connections	Gas	mm	φ 9.5	φ 9.5	φ 9.5
	Drain	mm	φ 18.0	φ 18.0	φ18.0
Heat Insulation	ı		Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Indoor Units			FTKS25D2VMW	FTKS25DVML	FTKS25DVML
Front Panel Co	olor		White	Silver Line	Silver Line
		Н	8.7 (307)	8.7 (307)	8.7 (307)
	mł/min	М	6.7 (237)	6.7 (237)	6.7 (237)
Air Flow Rate	(cfm)	L	4.7 (166)	4.7 (166)	4.7 (166)
		SL	3.9 (138)	3.9 (138)	3.9 (138)
	Туре	02	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40	40
1 an	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto
Air Direction C		Steps	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Direction C	onuoi		Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof
	- t (D - t - i)				
Running Curre		A	0.16	0.16	0.16
Power Consum	nption (Rated)	W	35	35	35
Power Factor		%	95.1	95.1	95.1
Temperature C			Microcomputer Control	Microcomputer Control	Microcomputer Control
Dimensions (H	,	mm	283×800×195	283×800×195	283×800×195
0	ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340
Weight		kg	9	9	9
Gross Weight	r	kg	12	12	12
Operation Sound	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	38 / 25 / 22
Sound Power	Н	dBA	56	56	56
Outdoor Units			RKS25D2VMB	RKS25DVMB	RKS25D2VMB
Outdoor Units			1 14/11/1	Ivory White	Line and MARIE 1
Outdoor Units Casing Color			Ivory White		Ivory White
	Туре		Ivory White Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
				Hermetically Sealed Swing Type 1YC23NXD#A	
Casing Color	Type Model	W	Hermetically Sealed Swing Type	, , , , , , , , , , , , , , , , , , , ,	Hermetically Sealed Swing Type
Casing Color Compressor	Type Model Motor Output	W	Hermetically Sealed Swing Type 1YC23NXD#A	1YC23NXD#A	Hermetically Sealed Swing Type 1YC23NXD#A
Casing Color	Type Model Motor Output Type	W	Hermetically Sealed Swing Type 1YC23NXD#A 600	1YC23NXD#A 600 FVC50K	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K
Casing Color Compressor Refrigerant Oil	Type Model Motor Output Type Charge		Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375	1YC23NXD#A 600 FVC50K 0.375	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375
Casing Color Compressor Refrigerant	Type Model Motor Output Type Charge Type	L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K	1YC23NXD#A 600 FVC50K 0.375 R-410A	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A
Casing Color Compressor Refrigerant Oil Refrigerant	Type Model Motor Output Type Charge Type Charge	L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8
Casing Color Compressor Refrigerant Oil	Type Model Motor Output Type Charge Type Charge mt/min	L kg H	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)
Casing Color Compressor Refrigerant Oil Refrigerant	Type Model Motor Output Type Charge Charge Mi/min (cfm)	L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)
Casing Color Compressor Refrigerant Oil Refrigerant	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type	L kg H L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1.278) 25.7 (907) Propeller	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan	Type Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L W	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L W A W	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Type Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) mption (Rated)	L kg H L W A W %	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Type Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curree Power Consun Power Factor Starting Curree Dimensions (H	Type Model Motor Output Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A mm	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	IYC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim	Type Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A M W % A mm mm	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Type Model Motor Output Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A M W % A M M M kg	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	Type Model Motor Output Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A M W % A mm mm	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Type Model Motor Output Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A M W % A M M M kg	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30
Casing Color Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Type Model Motor Output Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt wW×D) ensions (H×W×D)	L kg H L W A W % A M M M kg kg	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35

Note:

MAX. interunit piping length: 20m
MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The data are based on the conditions shown in the table below.

kcal/h=kW×860
Btu/h=kW×3414
cfm=mł/minx35.3

Conversion Formulae

3

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

	Indoor Units		FTKS25D2VML	FTKS25D2VML
Models	Outdoor Units		RKS25DVMB	RKS25D2VMB
		kW	2.5 (1.3~3.0)	2.5 (1.3~3.0)
Capacity Rated (Min.~N	lov)	Btu/h	8,550 (4,450~10,250)	8,550 (4,450~10,250)
Rated (MIII.~W	lax.)	kcal/h	2,150 (1,120~2,580)	2,150 (1,120~2,580)
Moisture Rem	oval	L/h	1.2	1.2
Running Curre	ent (Rated)	A	3.8	3.8
Power Consur Rated (Min.~N		W	685 (300~960)	685 (300~960)
Power Factor	iux.)	%	78.4	78.4
COP Rated (Min.~N	lax.)	W/W	3.65 (4.33~3.13)	3.65 (4.33~3.13)
	Liquid	mm	φ 6.4	φ 6.4
Piping Connections	Gas	mm	φ 9.5	φ 9.5
Connectione	Drain	mm	φ18.0	φ18.0
Heat Insulation	า		Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Indoor Units			FTKS25D2VML	FTKS25D2VML
Front Panel Co	olor		Silver Line	Silver Line
		Н	8.7 (307)	8.7 (307)
Air Flow Data	mł/min	М	6.7 (237)	6.7 (237)
Air Flow Rate	(cfm)	L	4.7 (166)	4.7 (166)
		SL	3.9 (138)	3.9 (138)
	Туре		Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, 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	ent (Rated)	A	0.16	0.16
Power Consur	nption (Rated)	W	35	35
Power Factor		%	95.1	95.1
Temperature 0	Control		Microcomputer Control	Microcomputer Control
Dimensions (H	I×W×D)	mm	283×800×195	283×800×195
Packaged Dirr	nensions (H×W×D)	mm	265×855×340	265×855×340
Weight	· · ·	kg	9	9
Gross Weight		kg	12	12
Operation Sound	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22
Sound Power	Н	dBA	56	56
Outdoor Units	S		RKS25DVMB	RKS25D2VMB
Casing Color			Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD#A	1YC23NXD#A
	Motor Output	W	600	600
Refrigerant	Туре		FVC50K	FVC50K
Oil	Charge	L	0.375	0.375
Defrierenent	Туре		R-410A	R-410A
Refrigerant	Charge	kg	0.8	0.8
Air Flow Rate	mł/min	Н	36.2 (1,278)	36.2 (1,278)
AIL FIOW Rate	(cfm)	L	25.7 (907)	25.7 (907)
Fan	Туре		Propeller	Propeller
rdn	Motor Output	W	50	50
Running Curre	ent (Rated)	A	3.64	3.64
Power Consur	nption (Rated)	W	650	650
		%	77.6	77.6
Power Factor			3.8	3.8
Power Factor Starting Current	nt	A		FF070F00F
		mm	550×765×285	550×765×285
Starting Curren Dimensions (H			550×765×285 589×882×363	550×/65×285 589×882×363
Starting Curren Dimensions (H	l×W×D)	mm		
Starting Curren Dimensions (H Packaged Dim	l×W×D)	mm mm kg	589×882×363	589×882×363
Starting Curren Dimensions (H Packaged Dim Weight	l×W×D)	mm mm	589×882×363 30	589×882×363 30
Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	H×W×D) nensions (H×W×D)	mm mm kg kg	589×882×363 30 35	589×882×363 30 35

Note:

- MAX. interunit piping length: 20m
 MAX. interunit height difference: 15m
 Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
 The data are based on the conditions shown in the table below.

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

	Indoor Units		FTKS35DVMW(9)	FTKS35DVMW(9)	FTKS35D2VMW
Models	Outdoor Units		RKS35DVMB	RKS35D2VMB	RKS35DVMB
		kW	3.4 (1.4~3.8)	3.4 (1.4~3.8)	3.4 (1.4~3.8)
Capacity		Btu/h	11,600 (4,750~12,950)	11,600 (4,750~12,950)	11,600 (4,750~12,950)
Rated (Min.~M	lax.)	kcal/h	2,920 (1,200~3,270)	2,920 (1,200~3,270)	2,920 (1,200~3,270)
Moisture Remo	aval	L/h	1.9	1.9	1.9
Running Curre		A	4.8	4.8	4.8
Power Consum Rated (Min.~M		W	1,045 (300~1,270)	1,045 (300~1,270)	1,045 (300~1,270)
Power Factor		%	94.7	94.7	94.7
COP Rated (Min.~M	lax.)	W/W	3.25 (4.67~2.99)	3.25 (4.67~2.99)	3.25 (4.67~2.99)
	Liquid	mm	φ 6.4	φ 6 .4	φ 6 .4
Piping Connections	Gas	mm	¢ 9.5	¢ 9.5	¢ 9.5
Connections	Drain	mm	¢18.0	φ18.0	¢18.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Indoor Units			FTKS35DVMW(9)	FTKS35DVMW(9)	FTKS35D2VMW
Front Panel Co	alor		White	White	White
FIUIIL Fallel CC		Ц			
		H	8.9 (314)	8.9 (314)	8.9 (314)
Air Flow Rate	mł/min (cfm)	M	6.9 (244)	6.9 (244)	6.9 (244)
	(GIII)	L	4.8 (169)	4.8 (169)	4.8 (169)
		SL	4.0 (141)	4.0 (141)	4.0 (141)
	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo
Running Curre	nt (Rated)	А	0.18	0.18	0.18
Power Consum		W	40	40	40
Power Factor		%	96.6	96.6	96.6
Temperature C	Control	70	Microcomputer Control	Microcomputer Control	Microcomputer Control
Dimensions (H		mm	283×800×195	283×800×195	283×800×195
,	ensions (H×W×D)		265×855×340	265×855×340	265×855×340
<u> </u>		mm	9		
Weight		kg	12	9 12	9
Gross Weight		kg	12		12
Operation Sound	H/L/SL	dBA	39 / 26 / 23	39 / 26 / 23	39 / 26 / 23
Sound Power	Н	dBA	57	57	57
Outdoor Units	6		RKS35DVMB	RKS35D2VMB	RKS35DVMB
Casing Color			Ivory White	Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD#A	1YC23NXD#A	1YC23NXD#A
	Motor Output	W	600	600	600
	Tour		FVC50K	FVC50K	FVC50K
Refrigerant	Туре				
Refrigerant Oil	Type Charge	L	0.375	0.375	0.375
Oil	Charge	L	0.375 R-410A	0.375 R-410A	0.375 R-410A
	Charge Type				
Oil Refrigerant	Charge Type Charge	kg	R-410A 1.0	R-410A 1.0	R-410A 1.0
Oil	Charge Type Charge mł/min	kg H	R-410A 1.0 33.5 (1,183)	R-410A 1.0 33.5 (1,183)	R-410A 1.0 33.5 (1,183)
Oil Refrigerant	Charge Type Charge mł/min cfm	kg	R-410A 1.0 33.5 (1,183) 23.4 (826)	R-410A 1.0 33.5 (1,183) 23.4 (826)	R-410A 1.0 33.5 (1,183) 23.4 (826)
Oil Refrigerant	Charge Type Charge mł/min cfm Type	kg H L	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller
Oil Refrigerant Air Flow Rate Fan	Charge Type Charge mł/min cfm Type Motor Output	kg H L W	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50
Oil Refrigerant Air Flow Rate Fan Running Curre	Charge Type Charge ml/min cfm Type Motor Output nt (Rated)	kg H L W A	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun	Charge Type Charge ml/min cfm Type Motor Output nt (Rated)	kg H L W A W	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Charge Type Charge m/min cfm Type Motor Output nt (Rated) nption (Rated)	kg H L W A W W	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Charge Type Charge mł/min cfm Type Motor Output nt (Rated) nption (Rated)	kg H L W A W % A	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H	Charge Type Charge mł/min cfm Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	kg H L W A W W	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H	Charge Type Charge mł/min cfm Type Motor Output nt (Rated) nption (Rated)	kg H L W A W % A	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H	Charge Type Charge mł/min cfm Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	kg H L W A W % A M M	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Charge Type Charge mł/min cfm Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	kg H L W A W % A M mm kg	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363 32	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363 32
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Charge Type Charge mł/min cfm Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	kg H L W A W % A mm mm	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 559×882×363 32	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363
Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	Charge Type Charge mł/min cfm Type Motor Output nt (Rated) nption (Rated) nt I×W×D) ensions (H×W×D)	kg H L W A W % A mm mm kg kg	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363 32 38	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363 32 38	R-410A 1.0 33.5 (1,183) 23.4 (826) Propeller 50 4.62 1,005 94.6 4.8 550×765×285 589×882×363 32 38

Note:

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

Conversion Formulae	
kcal/h=kW×860 Btu/h=kW×3414	
cfm=mł/min×35.3	

	Indoor Units		FTKS35D2VMW	FTKS35DVML	FTKS35DVML
Models	Outdoor Units		RKS35D2VMB	RKS35DVMB	RKS35D2VMB
	outdoor onits	kW	3.4 (1.4~3.8)	3.4 (1.4~3.8)	3.4 (1.4~3.8)
Capacity		Btu/h	11,600 (4,750~12,950)	11,600 (4,750~12,950)	11,600 (4,750~12,950)
Rated (Min.~M	ax.)	kcal/h	2,920 (1,200~3,270)	2,920 (1,200~3,270)	2,920 (1,200~3,270)
Moisture Remo	a val	L/h		1.9	1.9
			1.9	-	-
Running Curre	. ,	A	4.8	4.8	4.8
Power Consun Rated (Min.~M		W	1,045 (300~1,270)	1,045 (300~1,270)	1,045 (300~1,270)
Power Factor		%	94.7	94.7	94.7
COP Rated (Min.~M	ax.)	W/W	3.25 (4.67~2.99)	3.25 (4.67~2.99)	3.25 (4.67~2.99)
	Liquid	mm	φ 6.4	φ 6.4	φ 6.4
Piping	Gas	mm	φ 9.5	¢ 9.5	¢ 9.5
Connections	Drain	mm	φ18.0	¢18.0	¢18.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Indoor Units	•		FTKS35D2VMW	FTKS35DVML	FTKS35DVML
Front Panel Co	lor		White	Silver Line	Silver Line
FIUIIL Fallel CC					
		H	8.9 (314)	8.9 (314)	8.9 (314)
Air Flow Rate	mł/min (cfm)	M	6.9 (244)	6.9 (244)	6.9 (244)
	(cilli)	L	4.8 (169)	4.8 (169)	4.8 (169)
		SL	4.0 (141)	4.0 (141)	4.0 (141)
	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo
Running Curre	nt (Rated)	А	0.18	0.18	0.18
Power Consun		W	40	40	40
Power Factor	iption (riatou)	%	96.6	96.6	96.6
Temperature C	`ontrol	70	Microcomputer Control	Microcomputer Control	Microcomputer Control
Dimensions (H		mm	283×800×195	283×800×195	283×800×195
,	ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340
	ensions (H×W×D)	mm			
Weight		kg	9	9	9
Gross Weight		kg	12	12	12
Operation Sound	H/L/SL	dBA	39 / 26 / 23	39 / 26 / 23	39 / 26 / 23
Sound Power	Н	dBA	57	57	57
Outdoor Units	3		RKS35D2VMB	RKS35DVMB	RKS35D2VMB
Casing Color			Ivory White	Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD#A	1YC23NXD#A	1YC23NXD#A
-	Motor Output	W	600	600	600
Refrigerant	Туре		FVC50K	FVC50K	FVC50K
Oil	Charge	L	0.375	0.375	0.375
	Туре		R-410A	R-410A	R-410A
Refrigerant	Charge	kg	1.0	1.0	1.0
		Ng H	33.5 (1,183)	33.5 (1,183)	33.5 (1,183)
Air Flow Rate	mł/min cfm		23.4 (826)		
		L		23.4 (826)	23.4 (826)
Fan	Type		Propeller	Propeller	Propeller
	Motor Output	W	50	50	50
Running Curre		A	4.62	4.62	4.62
Power Consun	nption (Rated)	W	1,005	1,005	1,005
Power Factor		%	94.6	94.6	94.6
Starting Currer	nt	А	4.8	4.8	4.8
Dimensions (H	×W×D)	mm	550×765×285	550×765×285	550×765×285
Packaged Dim	ensions (H×W×D)	mm	589×882×363	589×882×363	589×882×363
Weight	. ,	kg	32	32	32
Gross Weight		kg	38	38	38
Operation	H/L	dBA	47 / 44	47 / 44	47 / 44
Cound					
Sound Power	Н	dRΔ	62	62	62
Sound Sound Power Drawing No.	Н	dBA	62 3D051059	62 3D049123A	62 3D050840

Note:

Conversion Formulae	
kcal/h=kW×860 Btu/h=kW×3414	
cfm=mł/minx35.3	

The data are based on the condit	ions shown in the table b
Cooling	Piping Length

ocoming	i ipilig Longti
Indoor ; 27°CDB/19°CWB Outdoor ; 35°CDB/24°CWB	7.5m

	Indoor Units		FTKS35D2VML	FTKS35D2VML	
Models	Outdoor Units		RKS35DVMB	RKS35D2VMB	
		kW	3.4 (1.4~3.8)	3.4 (1.4~3.8)	
Capacity		Btu/h	11,600 (4,750~12,950)	11,600 (4,750~12,950)	
Rated (Min.~M	ax.)	kcal/h	2,920 (1,200~3,270)	2,920 (1,200~3,270)	
Moisture Remo	val	L/h	1.9	1.9	
		A	4.8	4.8	
Power Consun					
Rated (Min.~M		W	1,045 (300~1,270)	1,045 (300~1,270)	
Power Factor		%	94.7	94.7	
COP Rated (Min.~M	ax.)	W/W	3.25 (4.67~2.99)	3.25 (4.67~2.99)	
	Liquid	mm	φ 6.4	φ 6.4	
Piping Connections	Gas	mm	¢ 9.5	φ 9.5	
Connections	Drain	mm	φ ^{18.0}	¢18.0	
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	
Indoor Units	-		FTKS35D2VML	FTKS35D2VML	
Front Panel Co	blor		Silver Line	Silver Line	
		н	8.9 (314)	8.9 (314)	
	ml/min	M	6.9 (244)	6.9 (244)	
Air Flow Rate	mł/min (cfm)	L	4.8 (169)	4.8 (169)	
	····/	SL	4.0 (141)	4.0 (109)	
	Tuno	JL			
Fon	Type Motor Output	10/	Cross Flow Fan	Cross Flow Fan	
Fan	Motor Output	W	40	40	
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, 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	0.18	0.18	
Power Consun	nption (Rated)	W	40	40	
Power Factor		%	96.6	96.6	
Temperature C	Control		Microcomputer Control	Microcomputer Control	
Dimensions (H	×W×D)	mm	283×800×195	283×800×195	
Packaged Dim	ensions (H×W×D)	mm	265×855×340	265×855×340	
Weight		kg	9	9	
Gross Weight		kg	12	12	
Operation Sound	H/L/SL	dBA	39 / 26 / 23	39 / 26 / 23	
	Н	dBA	57	57	
Outdoor Units		45/1	RKS35DVMB	RKS35D2VMB	
Casing Color			Ivory White	Ivory White	
Cabing Color	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	
Compressor	Model		1YC23NXD#A	1YC23NXD#A	
001110103301	Motor Output	W	600	600	
Definent	Туре	~~	FVC50K	FVC50K	
Refrigerant Oil	Charge	L	0.375	0.375	
	*		R-410A	R-410A	
Refrigerant	Type	ka	1.0	1.0 R-4 IOA	
	Charge	kg		-	
Air Flow Rate	mł/min cfm	н	33.5 (1,183)	33.5 (1,183)	
		L	23.4 (826)	23.4 (826)	
Fan	Туре		Propeller	Propeller	
	Motor Output	w	50	50	
Running Curre	1 1	A	4.62	4.62	
,		W	1,005	1,005	
Power Factor		%	94.6	94.6	
Starting Currer		A	4.8	4.8	
Dimensions (H	/	mm	550×765×285	550×765×285	
	ensions (H×W×D)	mm	589×882×363	589×882×363	
Weight		kg	32	32	
Gross Weight		kg	38	38	
Operation Sound	H/L	dBA	47 / 44	47 / 44	
	Н	dBA	62	62	
				-	
Drawing No.		I	3D051048	3D051060	

Note:

Conversion Formulae	
kcal/h=kW×860 Btu/h=kW×3414	
cfm=mł/min×35 3	

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

Medalc	Indoor Units		FTKS20DAVMW	FTKS20DAVML	FTKS20D3VMW
Models	Outdoor Units		RKS20D3VMB	RKS20D3VMB	RKS20D3VMB
	outdoor onnto	kW	2.0 (1.3~2.6)	2.0 (1.3~2.6)	2.0 (1.3~2.6)
Capacity		Btu/h	6,820 (4,430~8,900)	6,820 (4,430~8,900)	6,820 (4,430~8,900)
Rated (Min.~M	ax.)	kcal/h	1,720 (1,120~2,240)	1,720 (1,120~2,240)	1,720 (1,120~2,240)
Moisture Remo		L/h	, , , , ,	0.9	0.9
			0.9		
Running Curre	. ,	A	2.7	2.7	2.7
Power Consum Rated (Min.~M		W	490 (300~830)	490 (300~830)	490 (300~830)
Power Factor		%	78.9	78.9	78.9
COP Rated (Min.~M	ax.)	W/W	4.08 (4.33~3.13)	4.08 (4.33~3.13)	4.08 (4.33~3.13)
,	Liquid	mm	φ 6 .4	φ 6 .4	φ 6.4
Piping	Gas	mm	¢ 9.5	¢ 9.5	φ 9.5
Connections	Drain	mm	¢ 0.0	φ 0.0 φ18.0	¢ 0.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Indoor Units	•		FTKS20DAVMW	FTKS20DAVML	FTKS20D3VMW
Front Panel Co	lor		White	Silver Line	White
FIONL Parter CC	101				
		H	8.7 (307)	8.7 (307)	8.7 (307)
Air Flow Rate	mł/min (cfm)	M	6.7 (237)	6.7 (237)	6.7 (237)
	(cilli)	L	4.7 (166)	4.7 (166)	4.7 (166)
		SL	3.9 (138)	3.9 (138)	3.9 (138)
	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo
Running Curre	nt (Rated)	А	0.16	0.16	0.16
Power Consum	. ,	W	35	35	35
Power Factor		%	95.1	95.1	95.1
Temperature C	Control	,0	Microcomputer Control	Microcomputer Control	Microcomputer Control
Dimensions (H		mm	283×800×195	283×800×195	283×800×195
(ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340
•					
Weight		kg	9 12	9 12	9 12
Gross Weight Operation	H/L/SL	kg			
Sound	-	dBA	38 / 25 / 22	38 / 25 / 22	38 / 25 / 22
Sound Power	Н	dBA	56	56	56
Outdoor Units	5		RKS20D3VMB	RKS20D3VMB	RKS20D3VMB
			Ivory White	Ivory White	Ivory White
Casing Color					Ivory write
Casing Color	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Casing Color Compressor	Type Model		,	Hermetically Sealed Swing Type 1YC23NXD#A	
		W	Hermetically Sealed Swing Type		Hermetically Sealed Swing Type
Compressor	Model Motor Output	W	Hermetically Sealed Swing Type 1YC23NXD#A	1YC23NXD#A	Hermetically Sealed Swing Type 1YC23NXD#A
	Model Motor Output Type	W	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K	1YC23NXD#A 600 FVC50K	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K
Compressor Refrigerant Oil	Model Motor Output Type Charge		Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375	1YC23NXD#A 600 FVC50K 0.375	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375
Compressor Refrigerant	Model Motor Output Type Charge Type	L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A	1YC23NXD#A 600 FVC50K 0.375 R-410A	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A
Compressor Refrigerant Oil	Model Motor Output Type Charge Type Charge	L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8
Compressor Refrigerant Oil	Model Motor Output Type Charge Type Charge mł/min	L kg H	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278)
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge m/min (cfm)	L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907)
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge m/min (cfm) Type	L kg H L	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output	L kg H L W	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L W A W	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) mption (Rated)	L kg H L W A W %	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Currer	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consur Power Factor Starting Currer	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W %	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Consum Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A M M M m m m m	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A M W % A M m kg	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D) ensions (H×W×D)	L kg H L W A W % A M m kg kg	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation Sound	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A M W % A M m kg	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1,278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	Hermetically Sealed Swing Type 1YC23NXD#A 600 FVC50K 0.375 R-410A 0.8 36.2 (1.278) 25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

	Indoor Units		FTKS20D3VML	FTKS25DAVMW	FTKS25DAVML
Models	Outdoor Units		RKS20D3VMB	RKS25D3VMB	RKS25D3VMB
		kW	2.0 (1.3~2.6)	2.5 (1.3~3.0)	2.5 (1.3~3.0)
Capacity	Ptu/b		6,820 (4,430~8,900)	8,550 (4,450~10,250)	8,550 (4,450~10,250)
Rated (Min.~Max.)		kcal/h	1,720 (1,120~2,240)	2,150 (1,120~2,580)	2,150 (1,120~2,580)
Moisture Removal L/h		0.9	1.2	1.2	
Running Curre		A	2.7	3.8	3.8
Power Consun Rated (Min.~N		W	490 (300~830)	685 (300~960)	685 (300~960)
Power Factor		%	78.9	78.4	78.4
COP Rated (Min.~N	lax.)	W/W	4.08 (4.33~3.13)	3.65 (4.33~3.13)	3.65 (4.33~3.13)
,	Liquid	mm	φ 6.4	φ 6.4	φ 6 .4
Piping	Gas	mm 09.5 09.5			¢ 9.5
Connections	Drain	mm	¢ 0.0	φ 0.0 φ18.0	¢ 0.0
Heat Insulation			Both Liguid and Gas Pipes	Both Liguid and Gas Pipes	Both Liguid and Gas Pipes
Indoor Units	1		FTKS20D3VML	FTKS25DAVMW	FTKS25DAVML
Front Panel Co	alor		Silver Line	White	Silver Line
FION Panel Co					
		H	8.7 (307)	8.7 (307)	8.7 (307)
Air Flow Rate	mł/min (ofm)	M	6.7 (237)	6.7 (237)	6.7 (237)
	(cfm)	L	4.7 (166)	4.7 (166)	4.7 (166)
		SL	3.9 (138)	3.9 (138)	3.9 (138)
	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo
Running Curre	nt (Rated)	Α	0.16	0.16	0.16
Power Consun		W	35	35	35
Power Factor	iption (ratea)	%	95.1	95.1	95.1
Temperature C	Control	70	Microcomputer Control	Microcomputer Control	Microcomputer Control
Dimensions (H		mm	283×800×195	283×800×195	283×800×195
(ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340
0		mm			
Weight		kg	9	9	9
Gross Weight	r	kg	12	12	12
Operation Sound	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	38 / 25 / 22
Sound Power H dBA		56	56	56	
Outdoor Units	3		RKS20D3VMB	RKS25D3VMB	RKS25D3VMB
Casing Color			Ivory White	Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD#A	1YC23NXD#A	1YC23NXD#A
	Motor Output W		600	600	600
Refrigerant	Туре		FVC50K	FVC50K	FVC50K
Oil	Charge L		0.375	0.375	0.375
	Туре		R-410A	R-410A	R-410A
Refrigerant	Charge	kg	0.8	0.8	0.8
Reingerant	0.10190			36.2 (1,278)	36.2 (1,278)
Reingerant			36.2 (1.270)	JU.Z LI.Z/01	
Air Flow Rate	mł/min (cfm)	Н	36.2 (1,278)		
	(cfm)		25.7 (907)	25.7 (907)	25.7 (907)
	(cfm) Type	H	25.7 (907) Propeller	25.7 (907) Propeller	25.7 (907) Propeller
Air Flow Rate	(cfm) Type Motor Output	H L W	25.7 (907) Propeller 50	25.7 (907) Propeller 50	25.7 (907) Propeller 50
Air Flow Rate Fan Running Curre	(cfm) Type Motor Output nt (Rated)	H L W A	25.7 (907) Propeller 50 2.54	25.7 (907) Propeller 50 3.64	25.7 (907) Propeller 50 3.64
Air Flow Rate Fan Running Curre Power Consun	(cfm) Type Motor Output nt (Rated)	H L W A W	25.7 (907) Propeller 50 2.54 455	25.7 (907) Propeller 50 3.64 650	25.7 (907) Propeller 50 3.64 650
Air Flow Rate Fan Running Curre Power Consun Power Factor	(cfm) Type Motor Output nt (Rated) nption (Rated)	H L W A W %	25.7 (907) Propeller 50 2.54 455 77.9	25.7 (907) Propeller 50 3.64 650 77.6	25.7 (907) Propeller 50 3.64 650 77.6
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren	(cfm) Type Motor Output nt (Rated) nption (Rated) nt	H L W A W	25.7 (907) Propeller 50 2.54 455 77.9 2.7	25.7 (907) Propeller 50 3.64 650 77.6 3.8	25.7 (907) Propeller 50 3.64 650 77.6 3.8
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H	(cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	H L W A W %	25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H	(cfm) Type Motor Output nt (Rated) nption (Rated) nt	H L W A W % A	25.7 (907) Propeller 50 2.54 455 77.9 2.7	25.7 (907) Propeller 50 3.64 650 77.6 3.8	25.7 (907) Propeller 50 3.64 650 77.6 3.8
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H	(cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	H L W A W % A mm mm	25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H Packaged Dim Weight	(cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	H L W A W % A mm mm kg	25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30
Air Flow Rate Fan Running Curree Power Consun Power Factor Starting Curree Dimensions (H Packaged Dim Weight Gross Weight Operation	(cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	H L W A W % A mm mm	25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363
Air Flow Rate Fan Running Curree Power Consum Power Factor Starting Curree Dimensions (H Packaged Dim Weight Gross Weight	(cfm) Type Motor Output Int (Rated) Inption (Rated) Int INW×D) Int INW×D) Int INW×D) INW×D)	H L W A W % A mm mm kg kg	25.7 (907) Propeller 50 2.54 455 77.9 2.7 550×765×285 589×882×363 30 35	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35	25.7 (907) Propeller 50 3.64 650 77.6 3.8 550×765×285 589×882×363 30 35

Note:

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=mł/min×35.3

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

	Indoor Units		FTKS25D3VMW	FTKS25D3VML	FTKS35DAVMW
Models	Outdoor Units		RKS25D3VMB	RKS25D3VMB	RKS35D3VMB
	Outdoor onits	kW	2.5 (1.3~3.0)	2.5 (1.3~3.0)	3.4 (1.4~3.8)
Capacity	Ptu/b		8,550 (4,450~10,250)	8,550 (4,450~10,250)	11,600 (4,750~12,950)
Rated (Min.~Max.)		kcal/h	2,150 (1,120~2,580)	2,150 (1,120~2,580)	2,920 (1,200~3,270)
			1.2	1.2	1.9
Running Curre		A	3.8	3.8	4.8
Power Consun Rated (Min.~M		W	685 (300~960)	685 (300~960)	1,045 (300~1,270)
Power Factor		%	78.4	78.4	94.7
COP Rated (Min.~M	lax.)	W/W	3.65 (4.33~3.13)	3.65 (4.33~3.13)	3.25 (4.67~2.99)
,	Liquid	mm	φ 6.4	φ 6 .4	φ 6.4
Piping	Gas	mm	¢ 9.5	¢ 9.5	¢ 9.5
Connections	Drain	mm	φ18.0	φ18.0	φ 18.0
Heat Insulation			Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes
Indoor Units			FTKS25D3VMW	FTKS25D3VML	FTKS35DAVMW
Front Panel Co	alor		White	Silver Line	White
FIUILFAILEICU					
		H	8.7 (307)	8.7 (307)	8.9 (314)
Air Flow Rate	mł/min (cfm)	M	6.7 (237)	6.7 (237)	6.9 (244)
	(GIII)	L	4.7 (166)	4.7 (166)	4.8 (169)
		SL	3.9 (138)	3.9 (138)	4.0 (141)
	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
Fan	Motor Output	W	40	40	40
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto
Air Direction C	ontrol		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo
Running Curre	nt (Rated)	Α	0.16	0.16	0.18
Power Consun		W	35	35	40
Power Factor		%	95.1	95.1	96.6
Temperature C	Control	70	Microcomputer Control	Microcomputer Control	Microcomputer Control
Dimensions (H		mm	283×800×195	283×800×195	283×800×195
,	ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340
	ensions (H×W×D)	mm			
Weight		kg	9	9	9
Gross Weight Operation		kg	12	12	12
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 25 / 22	39 / 26 / 23
Sound Power	Н	dBA	56	56	57
Outdoor Units	3		RKS25D3VMB	RKS25D3VMB	RKS35D3VMB
Casing Color			Ivory White	Ivory White	Ivory White
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type
Compressor	Model		1YC23NXD#A	1YC23NXD#A	1YC23NXD#A
	Motor Output W		600	600	600
Refrigerant	Туре		FVC50K	FVC50K	FVC50K
Oil	Charge L		0.375	0.375	0.375
	Туре		R-410A	R-410A	R-410A
Refrigerant	Charge kg		0.8	0.8	1.0
		H	36.2 (1,278)	36.2 (1,278)	33.5 (1,183)
Air Flow Rate	mł/min (cfm)				
	. ,	L	25.7 (907)	25.7 (907)	23.4 (826)
Fan	Type Matur Output		Propeller	Propeller	Propeller
	Motor Output W		50	50	50
Running Curre	()	A	3.64	3.64	4.62
Power Consun	nption (Rated)	W	650	650	1,005
Power Factor		%	77.6	77.6	94.6
Starting Currer	nt	А	3.8	3.8	4.8
Dimensions (H	I×W×D)	mm	550×765×285	550×765×285	550×765×285
Packaged Dim	ensions (H×W×D)	mm	589×882×363	589×882×363	589×882×363
			30	30	32
Weight kg		kg	35	35	38
		5			
Gross Weight Operation	H/L	dBA	46 / 43	46 / 43	47 / 44
Gross Weight Operation Sound	H/L	dBA	46 / 43	46 / 43	47 / 44
Gross Weight Operation	H/L H	dBA dBA	46 / 43 61 3D051081	46 / 43 61 3D051082	47 / 44 62 3D050836

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

	Indoor Units		FTKS35DAVML	FTKS35D3VMW	FTKS35D3VML	
Models	Outdoor Units		RKS35D3VMB	RKS35D3VMB	RKS35D3VMB	
		kW	3.4 (1.4~3.8)	3.4 (1.4~3.8)	3.4 (1.4~3.8)	
Capacity		Btu/h	11,600 (4,750~12,950)	11,600 (4,750~12,950)	11,600 (4,750~12,950)	
Rated (Min.~Max.)		kcal/h	2,920 (1,200~3,270)	2,920 (1,200~3,270)	2,920 (1,200~3,270)	
Moisture Remo	oval	L/h	1.9	1.9	1.9	
Running Curre			4.8	4.8	4.8	
0	· · /	A	4.0	4.0	4.0	
Power Consun Rated (Min.~N		W	1,045 (300~1,270)	1,045 (300~1,270)	1,045 (300~1,270)	
Power Factor		%	94.7	94.7	94.7	
COP Rated (Min.~N	lax.)	W/W	3.25 (4.67~2.99)	3.25 (4.67~2.99)	3.25 (4.67~2.99)	
	Liquid	mm	φ 6.4	φ 6.4	φ 6.4	
Piping Connections	Gas	mm	φ 9 .5	φ 9 .5	φ 9.5	
Connections	Drain	mm	¢18.0	¢18.0	¢18.0	
Heat Insulation	1		Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	Both Liquid and Gas Pipes	
Indoor Units			FTKS35DAVML	FTKS35D3VMW	FTKS35D3VML	
Front Panel Co	olor		Silver Line	White	Silver Line	
		Н	8.9 (314)	8.9 (314)	8.9 (314)	
		M	6.9 (244)	6.9 (244)	6.9 (244)	
Air Flow Rate	mł/min (cfm)					
	(0.11)	L	4.8 (169)	4.8 (169)	4.8 (169)	
		SL	4.0 (141)	4.0 (141)	4.0 (141)	
	Туре		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	
Fan	Motor Output	W	40	40	40	
	Speed	Steps	5 Steps, Silent, Auto	5 Steps, Silent, Auto	5 Steps, Silent, Auto	
Air Direction C	Control		Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	Right, Left, Horizontal, Downward	
Air Filter			Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proof	Removable / Washable / Mildew Proo	
Running Curre	ent (Rated)	А	0.18	0.18	0.18	
Power Consun	· · /	W	40	40	40	
Power Factor	inplicit (ritited)	%	96.6	96.6	96.6	
Temperature C	Control	70	Microcomputer Control	Microcomputer Control	Microcomputer Control	
Dimensions (H				283×800×195	283×800×195	
	/	mm	283×800×195			
0	ensions (H×W×D)	mm	265×855×340	265×855×340	265×855×340	
Weight		kg	9	9	9	
Gross Weight Operation	H/L/SL	kg	12	12	12	
Sound Sound Power	H/L/SL H	dBA dBA	39 / 26 / 23 57	39 / 26 / 23 57	39 / 26 / 23 57	
Outdoor Units		UBA	RKS35D3VMB		RKS35D3VMB	
	5			RKS35D3VMB		
Casing Color	-		Ivory White	Ivory White	Ivory White	
	Туре		Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	Hermetically Sealed Swing Type	
Compressor	Model		1YC23NXD#A	1YC23NXD#A	1YC23NXD#A	
	Motor Output W		600	600	600	
Refrigerant	Туре	n	FVC50K	FVC50K	FVC50K	
Oil	Charge L		0.375	0.375	0.375	
Refrigerant	Туре		R-410A	R-410A	R-410A	
. congerant	Charge	kg	1.0	1.0	1.0	
	mł/min	Н	33.5 (1,183)	33.5 (1,183)	33.5 (1,183)	
Air Flow Rate	cfm	L	23.4 (826)	23.4 (826)	23.4 (826)	
_	Туре	1	Propeller	Propeller	Propeller	
Fan	Motor Output	W	50	50	50	
		A	4.62	4.62	4.62	
Running Curro	, , , , , , , , , , , , , , , , , , ,		4.62	4.62	1,005	
0	Power Consumption (Rated) W		94.6		·	
Power Consur	inplion (Rated)			94.6	94.6	
Power Consun Power Factor			4.2	4.8	4.8	
Power Consun Power Factor Starting Curren	nt	A	4.8			
Power Consun Power Factor Starting Curren Dimensions (H	nt I×W×D)		550×765×285	550×765×285	550×765×285	
Power Consun Power Factor Starting Curren Dimensions (H	nt	A		550×765×285 589×882×363		
Power Consun Power Factor Starting Curren Dimensions (H	nt I×W×D)	A mm	550×765×285		550×765×285	
Power Consum Power Factor Starting Curren Dimensions (H Packaged Dim	nt I×W×D)	A mm mm kg	550×765×285 589×882×363	589×882×363	550×765×285 589×882×363	
Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	nt I×W×D)	A mm mm	550×765×285 589×882×363 32	589×882×363 32	550×765×285 589×882×363 32	
Power Consun Power Factor Starting Curren Dimensions (H Packaged Dim Weight Gross Weight Operation Sound	nt I×W×D) iensions (H×W×D)	A mm kg kg dBA	550×765×285 589×882×363 32 38 47 / 44	589×882×363 32 38 47 / 44	550×765×285 589×882×363 32 38 47 / 44	
Power Consun Power Factor Starting Curren Dimensions (H Packaged Dim Weight Gross Weight Operation	nt I×W×D) iensions (H×W×D)	A mm mm kg kg	550×765×285 589×882×363 32 38	589×882×363 32 38	550×765×285 589×882×363 32 38	

Note:

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Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=mł/min×35.3

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

1.2 **Heat Pump**

50Hz 230V

	Indoor Units Outdoor Units		FTXS20DVMW(9) RXS20DVMB		FTXS20DVMW(9)		
Models					RXS20D2VMB		
	Outdoor Onits		Cooling	Heating	Cooling	Heating	
0		kW	2.0 (1.3~2.6)	2.7 (1.3~4.1)	2.0 (1.3~2.6)	2.7 (1.3~4.1)	
Capacity Rated (Min.~N	lav)	Btu/h	6,820 (4,430~8,900)	9,210 (4,430~14,000)	6,820 (4,430~8,900)	9,210 (4,430~14,000)	
	(d,t.)	kcal/h	1,720 (1,120~2,240)	2,320 (1,120~3,530)	1,720 (1,120~2,240)	2,320 (1,120~3,530)	
Moisture Remo	oval	L/h	0.9	—	0.9	_	
Running Curre	ent (Rated)	A	2.7	3.6	2.7	3.6	
Power Consur	nption	w	490 (300~830)	660 (290~1,300)	490 (300~830)	660 (290~1,300)	
Rated (Min.~N	lax.)	vv	490 (300~830)	660 (290~1,300)	490 (300~830)	000 (290~1,300)	
Power Factor		%	78.9	79.7	78.9	79.7	
COP		W/W	4.08 (4.33~3.13)	4.09 (4.48~3.15)	4.08 (4.33~3.13)	4.09 (4.48~3.15)	
Rated (Min.~N	,		. ,	. ,	. ,	, ,	
Piping	Liquid	mm	φ 6.4		φ 6.4		
Connections	Gas	mm	φ!	9.5	φ 9.5		
	Drain	mm	φ18.0		φ1	8.0	
Heat Insulation	า		Both Liquid a	nd Gas Pipes	Both Liquid a	and Gas Pipes	
ndoor Units			FTXS20	DVMW(9)	FTXS20	DVMW(9)	
Front Panel Co	olor		W	nite	W	hite	
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)	
··· -· -	mł/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)	
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)	
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)	
	Туре	52		low Fan	()	Flow Fan	
Fan	Motor Output	W		10w Fall		10w Fall	
an	Speed	Steps		Silent, Auto			
		Steps			5 Steps, Silent, Auto		
Air Direction C	ontrol			contal, Downward	Right, Left, Horizontal, Downward Removable / Washable / Mildew Proof		
Air Filter				able / Mildew Proof			
Running Curre		A	0.16	0.16	0.16	0.16	
	nption (Rated)	W	35	35	35	35	
Power Factor		%	95.1	95.1	95.1	95.1	
Temperature C	Control		Microcomp	uter Control	Microcomp	outer Control	
Dimensions (H×W×D) mm		mm	283×8	00×195	283×8	00×195	
Packaged Dim	ensions (H×W×D)	mm	265×8	55×340	265×8	55×340	
Weight		kg		9		9	
Gross Weight		kg	1	2	1	12	
Operation	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25	
Sound	n/L/SL	uва	36/23/22	36/26/25	36/25/22	38/28/25	
Sound Power	Н	dBA	56	56	56	56	
Outdoor Units	S		RXS20DVMB		RXS20	D2VMB	
Casing Color			Ivory White		lvory	White	
	Туре		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type		
C			1YC23NXD#A				
Compressor	Model						
Compressor		W	1YC23	NXD#A	1YC23	BNXD#A	
	Motor Output	W	1YC23 6	NXD#A	1YC23 6	NXD#A 00	
Refrigerant	Motor Output Type		1YC23 6 FVC	NXD#A 00 C50K	1YC23 6 FV0	NXD#A 00 C50K	
Refrigerant	Motor Output Type Charge	W	1YC23 6 FVC 0.3	NXD#A 00 250K 375	1YC23 6 FVC 0.1	NXD#A 00 C50K 375	
Refrigerant Oil	Motor Output Type Charge Type	L	1YC23 6 FVC 0.3 R-4	NXD#A 00 250K 375 10A	1YC23 6 FVC 0.3 R-4	8NXD#A 00 C50K 375 H10A	
Refrigerant Oil	Motor Output Type Charge Type Charge	L kg	1YC23 6 FVC 0.3 R-4 0	NXD#A 00 250K 375 10A .8	1YC23 6 FVC 0.3 R-4 0	8NXD#A 00 C50K 375 110A 2.8	
Refrigerant Oil Refrigerant	Motor Output Type Charge Type Charge mł/min	L kg H	1YC23 6 FVC 0.: R-4 0 36.2 (1,278)	NXD#A 00 250K 375 10A .8 32.6 (1,151)	1YC23 6 FVC 0.: R-4 36.2 (1,278)	BNXD#A 00 C50K 375 110A 0.8 32.6 (1,151)	
Refrigerant Oil Refrigerant	Motor Output Type Charge Type Charge ml/min (cfm)	L kg	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907)	NXD#A 00 0550K 375 10A .8 32.6 (1,151) 30.6 (1,080)	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907)	BNXD#A 00 C50K 375 110A 0.8 32.6 (1,151) 30.6 (1,080)	
Refrigerant Dil Refrigerant Air Flow Rate	Motor Output Type Charge Type Charge mł/min (cfm) Type	L kg H L	1YC23 6 FVC 0.: R-4 0 36.2 (1.278) 25.7 (907) Prop	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj	NXD#A 00 250K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller	
Refrigerant Dil Refrigerant Air Flow Rate Fan	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L V	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Prop	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 60	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj	NXD#A 00 250K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre	Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output ent (Rated)	L kg H L W A	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 2.54	NXD#A 00 550K 775 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 3.44	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Proj 5 2.54	NXD#A 00 C50K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L W A W	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 5 2.54 455	NXD#A 00 50K 375 10A .8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 2.54 455	BNXD#A 00 C50K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625	
Refrigerant Dil Refrigerant Air Flow Rate an Running Curre Power Consum	Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output ent (Rated)	L kg H L W A	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 2.54	NXD#A 00 550K 775 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 3.44	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Proj 5 2.54	NXD#A 00 C50K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44	
Refrigerant Dil Refrigerant Air Flow Rate an Running Curre Power Consum Power Factor	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 25.7 (907) 5 2.54 455 77.9	NXD#A 00 50K 375 10A .8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 25.7 8 25.5 4 5 77.9	BNXD#A 00 C50K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren	Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W %	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 5 25.7 (907) 5 25.4 455 77.9 3	NXD#A 00 50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 3.44 625 79.0	1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 2.54 455 77.9 3	BNXD#A 00 C50K 375 110A 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Currer Power Consum Power Factor Starting Currer Dimensions (H	Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) mption (Rated) nt MXWXD)	L kg H L W A W % A mm	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 5 25.4 455 77.9 3 550×7	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 3.44 625 79.0 .6	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Proj 5 2.54 455 77.9 3 550×7	BNXD#A 00 C50K 375 110A 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Ower Factor Starting Curren Dimensions (H Packaged Dim	Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output mt (Rated) mption (Rated)	L kg H L W A W % A mm mm	1YC23 6 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 2.54 455 77.9 3 550×7 589×8	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 00 3.44 625 79.0 .6 65×285 82×363	1YC23 6 FVC 0.: R-4 25.7 (907) 25.7 (907) Proj 25.54 455 77.9 3 550×7 589×8	NXD#A 00 250K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H Packaged Dim Neight	Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) mption (Rated) nt MXWXD)	L kg H L W A W % A M M kg	1YC23 6 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 2.54 455 77.9 3 550×7 589×8	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 3.44 625 79.0 .6 55×285 52×285 52×363 50	1YC23 6 FVC 0.: R-4 25.7 (907) 25.7 (907) Proj 25.54 455 77.9 3 550×7 589×8	NXD#A 00 C50K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currei Dimensions (H Packaged Dim Weight Gross Weight	Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) mption (Rated) nt H×W×D) tensions (H×W×D)	L kg H L W A W % A M M kg kg	1YC23 6 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 2.54 455 77.9 3 550×7 589×8	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 00 3.44 625 79.0 .6 65×285 82×363 00 55	1YC23 6 FV(0.: R-4 25.7 (907) 25.7 (907) Proj 25.54 455 77.9 3 550×7 589×8	NXD#A 00 250K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30 35	
Power Factor Starting Currer Dimensions (H	Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) mption (Rated) nt MXWXD)	L kg H L W A W % A M M kg	1YC23 6 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 2.54 455 77.9 3 550×7 589×8	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 3.44 625 79.0 .6 55×285 52×285 52×363 50	1YC23 6 FVC 0.: R-4 25.7 (907) 25.7 (907) Proj 25.54 455 77.9 3 550×7 589×8	NXD#A 00 C50K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Currer Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Neight Gross Weight Operation Sound	Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output mt (Rated) mption (Rated) nt IxW×D) nensions (H×W×D) H/L	L kg H L W A W % A M M kg kg	1YC23 6 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 2.54 455 77.9 3 550×7 589×8	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 00 3.44 625 79.0 .6 65×285 82×363 00 55	1YC23 6 FVC 0.: R-4 25.7 (907) 25.7 (907) Proj 25.54 455 77.9 3 550×7 589×8	NXD#A 00 250K 375 110A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30 35	

Note:

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

Conversion Formulae	
kcal/h=kW×860 Btu/h=kW×3414 cfm=mł/min×35.3	
	1

	Indoor Units			D2VMW	FTXS20	D2VMW
Models	Outdoor Units		RXS20	DVMB		D2VMB
	Outdoor Onits		Cooling	Heating	Cooling	Heating
Conceitu		kW	2.0 (1.3~2.6)	2.7 (1.3~4.1)	2.0 (1.3~2.6)	2.7 (1.3~4.1)
Capacity Rated (Min.~N	lar)	Btu/h	6,820 (4,430~8,900)	9,210 (4,430~14,000)	6,820 (4,430~8,900)	9,210 (4,430~14,000)
	nux.)	kcal/h	1,720 (1,120~2,240)	2,320 (1,120~3,530)	1,720 (1,120~2,240)	2,320 (1,120~3,530)
/loisture Rem	oval	L/h	0.9	—	0.9	_
Running Curre	ent (Rated)	A	2.7	3.6	2.7	3.6
Power Consur	mption	W	100 (200 . 020)	CCO (200 4 200)	400 (200 . 020)	000 (200 4 200)
Rated (Min.~N	/lax.)		490 (300~830)	660 (290~1,300)	490 (300~830)	660 (290~1,300)
Power Factor		%	78.9	79.7	78.9	79.7
COP		W/W	4.08 (4.33~3.13)	4.09 (4.48~3.15)	4.08 (4.33~3.13)	4.09 (4.48~3.15)
Rated (Min.~N	, , , , , , , , , , , , , , , , , , ,	**/**	(,	· · · · · ·	. ,	. ,
Piping	Liquid	mm		6.4		6.4
Connections	Gas	mm		9.5	φ 9.5	
Drain mm		mm	φ1	8.0	φ1	8.0
Heat Insulation			Both Liquid a	nd Gas Pipes	Both Liquid a	ind Gas Pipes
ndoor Units			FTXS20	D2VMW	FTXS20	D2VMW
ront Panel C	olor		W	nite	W	hite
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)
	mł/min	М	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)
	Туре			low Fan	· · /	Flow Fan
an	Motor Output	W		low Fall		10w Fall
uii	Speed	Steps		Silent, Auto		
ir Direction C		Sieps		contal, Downward	5 Steps, Silent, Auto	
	Jontrol				Right, Left, Horizontal, Downward	
ir Filter				able / Mildew Proof		hable / Mildew Proof
Running Curre		A	0.16	0.16	0.16	0.16
	mption (Rated)	W	35	35	35	35
Power Factor		%	95.1	95.1	95.1	95.1
emperature (Control		Microcomp	uter Control	Microcomp	uter Control
Dimensions (H	H×W×D)	mm	283×800×195		283×800×195	
Packaged Dim	nensions (H×W×D)	mm	265×855×340		265×855×340	
Veight		kg	9		9	
Gross Weight		kg	1	2	1	12
Operation	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25
Sound	H/L/3L	UBA			38723722	38728725
Sound Power	Н	dBA	56	56	56	56
Outdoor Unit	S		RXS20	DVMB	RXS20	D2VMB
asing Color			Ivory White		Ivory White	
	Туре		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
compressor	Model		1YC23	NXD#A	1YC23NXD#A	
	Motor Output	W		00	600	
Refrigerant	Туре			50K		250K
Dil	Charge	L		375		375
	Type			10A		10A
Refrigerant	Charge	ka		.8		.8
		kg н				
ir Flow Rate	mł/min (cfm)	Н	36.2 (1,278)	32.6 (1,151)	36.2 (1,278)	32.6 (1,151)
	. ,	L	25.7 (907)	30.6 (1,080)	25.7 (907)	30.6 (1,080)
an	Туре			peller		peller
	Motor Output	W		50 0 4 4		50
Running Curre		A	2.54	3.44	2.54	3.44
	mption (Rated)	W	455	625	455	625
ower Factor		%	77.9	79.0	77.9	79.0
tarting Curre		A		.6		6.6
imensions (H	,	mm		65×285		65×285
	nensions (H×W×D)	mm	589×8	82×363	589×8	82×363
ackaged Dim		kg	3	0	3	30
•				95	3	35
Veight		ка				
Veight Gross Weight		kg		47 / 44	40 / 40	
Packaged Dim Veight Gross Weight Operation Sound	H/L	dBA	46 / 43	47 / 44	46 / 43	47 / 44
Veight Gross Weight Operation	H/L			47 / 44 62	46 / 43 61	47 / 44 62

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

	Indoor Units			ODVML		ODVML
Models	Outdoor Units		RXS20DVMB		RXS20	D2VMB
	Outdoor Onits		Cooling	Heating	Cooling	Heating
		kW	2.0 (1.3~2.6)	2.7 (1.3~4.1)	2.0 (1.3~2.6)	2.7 (1.3~4.1)
Capacity	(m.,)	Btu/h	6,820 (4,430~8,900)	9,210 (4,430~14,000)	6,820 (4,430~8,900)	9,210 (4,430~14,000)
Rated (Min.~N	lax.)	kcal/h	1,720 (1,120~2,240)	2,320 (1,120~3,530)	1,720 (1,120~2,240)	2,320 (1,120~3,530)
Moisture Rem	oval	L/h	0.9		0.9	
Running Curre		A	2.7	3.6	2.7	3.6
Power Consur		^	2.1	5.0	2.1	5.0
Rated (Min.~N	lax)	W	490 (300~830)	660 (290~1,300)	490 (300~830)	660 (290~1,300)
Power Factor	lanij	%	78.9	79.7	78.9	79.7
COP			10.5	13.1	10.0	13.1
Rated (Min.~N	lax.)	W/W	4.08 (4.33~3.13)	4.09 (4.48~3.15)	4.08 (4.33~3.13)	4.09 (4.48~3.15)
	Liquid	mm	¢	6.4	φ	6.4
Piping	Gas	mm		9.5	φ 0.4 φ 9.5	
Connections	Drain	mm		8.0		8.0
Heat Insulation						
	1			ind Gas Pipes		nd Gas Pipes
Indoor Units				ODVML		ODVML
Front Panel Co	olor			r Line		r Line
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)
Air Flow Rate	mł/min	М	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)
	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)
	Туре	-	(/	low Fan	· · · /	low Fan
Fan	Motor Output	W		10		10
i un	Speed	Steps		Silent, Auto		Silent, Auto
Air Direction C		Steps		contal, Downward		contal, Downward
	ONUO		0,,,	,	0, ,	,
Air Filter				able / Mildew Proof		able / Mildew Proof
Running Curre		A	0.16	0.16	0.16	0.16
Power Consur	nption (Rated)	W	35	35	35	35
Power Factor		%	95.1	95.1	95.1	95.1
Temperature 0	Control		Microcomp	uter Control	Microcomp	uter Control
Dimensions (H	I×W×D)	mm	283×800×195		283×800×195	
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340	
Weight	, ,	kg	9		9	
Gross Weight		kg		2	-	2
Operation						
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25
Sound Power	Н	dBA	56	56	56	56
Outdoor Units			RXS20DVMB			D2VMB
Casing Color	•					
casing color	Туре		Ivory White Hermetically Sealed Swing Type		Ivory White Hermetically Sealed Swing Type	
C				NXD#A	1YC23NXD#A	
Compressor	Model					
	Motor Output	W		00	600	
Refrigerant	Туре			C50K		C50K
Oil	Charge	L	0.3	375	0.3	375
Pofrigorant	Туре		R-4	-10A	R-410A	
Refrigerant	Charge	kg	C	.8	0	.8
	mł/min	Н	36.2 (1,278)	32.6 (1,151)	36.2 (1,278)	32.6 (1,151)
Air Flow Rate	(cfm)	L	25.7 (907)	30.6 (1,080)	25.7 (907)	30.6 (1,080)
_	Туре	- 		beller		peller
Fan	Motor Output	W		50	50	
Running Curre		A	2.54	3.44	2.54	3.44
•	nption (Rated)	W	455	625	455	625
		%	77.9	79.0	77.9	79.0
Power Factor	nt	A		.6		.6
Power Factor Starting Curre		mm		65×285		65×285
Power Factor Starting Currer Dimensions (H	,			82×363	589×8	82×363
Power Factor Starting Currer Dimensions (H Packaged Dim	I×W×D) iensions (H×W×D)	mm				
Power Factor Starting Currer Dimensions (H Packaged Dim	,			30		30
Power Factor Starting Currer Dimensions (H	,	mm	3		3	30 35
Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	ensions (H×W×D)	mm kg kg	3	30 35	3	35
Power Factor Starting Curren Dimensions (H Packaged Dim Neight Gross Weight Dperation	,	mm kg	3	30	3	
Power Factor Starting Currer Dimensions (H Packaged Dim Weight	H/L	mm kg kg	3	30 35	3	35

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

	Indoor Units		FTXS20	D2VML	FTXS2	0D2VML
Models	Outdoor Unito	Ĩ	RXS20	DVMB	RXS20	D2VMB
	Outdoor Units		Cooling	Heating	Cooling	Heating
a		kW	2.0 (1.3~2.6)	2.7 (1.3~4.1)	2.0 (1.3~2.6)	2.7 (1.3~4.1)
Capacity Rated (Min.~N	lav)	Btu/h	6,820 (4,430~8,900)	9,210 (4,430~14,000)	6,820 (4,430~8,900)	9,210 (4,430~14,000)
Rateu (Milli. ~W	iax.)	kcal/h	1,720 (1,120~2,240)	2,320 (1,120~3,530)	1,720 (1,120~2,240)	2,320 (1,120~3,530)
Moisture Rem	oval	L/h	0.9	_	0.9	_
Running Curre	ent (Rated)	А	2.7	3.6	2.7	3.6
Power Consur		1 1				
Rated (Min.~N		W	490 (300~830)	660 (290~1,300)	490 (300~830)	660 (290~1,300)
Power Factor		%	78.9	79.7	78.9	79.7
COP		W/W	4.08 (4.33~3.13)	4.09 (4.48~3.15)	4.08 (4.33~3.13)	4.09 (4.48~3.15)
Rated (Min.~N	,	**/**	4.00 (4.03 * 5.15)	4.09 (4.40 3.13)	4.00 (4.05 (0.10)	4.09 (4.48 - 3.13)
Piping	Liquid	mm	φ θ	δ.4	φ	6.4
Connections	Gas	mm		9.5		9.5
Drain mm		mm	φ1	8.0	ф	8.0
Heat Insulatior	eat Insulation		Both Liquid a	nd Gas Pipes	Both Liquid a	and Gas Pipes
ndoor Units			FTXS20	D2VML	FTXS2	0D2VML
Front Panel Co	olor		Silve	Line	Silve	er Line
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)
·· -· - ·	mł/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)
	Туре	52	. ,	low Fan		Flow Fan
Fan	Motor Output	W		0		40
an	Speed			ilent, Auto		
Air Direction C		Steps			5 Steps, Silent, Auto Right, Left, Horizontal, Downward	
	ontrol			ontal, Downward		
Air Filter				able / Mildew Proof		hable / Mildew Proof
Running Curre	· /	A	0.16	0.16	0.16	0.16
	nption (Rated)	W	35	35	35	35
Power Factor		%	95.1	95.1	95.1	95.1
Temperature (Microcomp	uter Control	Microcomp	outer Control
Dimensions (H	I×W×D)	mm	283×800×195		283×800×195	
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340	
Weight		kg	9			9
Gross Weight		kg	1	2		12
Operation	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25
Sound	H/L/SL	UBA	38723722		38723722	36726725
Sound Power	Н	dBA	56	56	56	56
Outdoor Units	5		RXS20DVMB		RXS20	D2VMB
Casing Color			Ivory White		Ivory White	
	Туре		Hermetically Sea	aled Swing Type	Hermetically Sealed Swing Type	
Compressor	Model		1YC23	NXD#A	1YC23NXD#A	
	Motor Output	W	60	00	600	
Refrigerant	Туре	_	FVC	50K	FV	C50K
Dil	Charge	L		375	0.	375
	Туре			10A		10A
Refrigerant	Charge	kg		.8).8
	mł/min	H	36.2 (1,278)	32.6 (1,151)	36.2 (1,278)	32.6 (1,151)
Air Flow Rate	(cfm)	L	25.7 (907)	30.6 (1,080)	25.7 (907)	30.6 (1,080)
	Туре			eller		peller
Fan	Motor Output	W		0		50
Running Curre						
0	· /	A	2.54	3.44	2.54	3.44
	nption (Rated)	W	455	625	455	625
Power Factor		%	77.9	79.0	77.9	79.0
Starting Curre		A		.6		3.6
•	,	mm		65×285		65×285
Dimensions (H		mm		32×363		82×363
Dimensions (H	iensions (H×W×D)			0		30
Dimensions (H Packaged Dim	iensions (H×W×D)	kg	3	0		
Dimensions (H Packaged Dim Weight	iensions (H×W×D)			5		35
Dimensions (H Packaged Dim Weight Gross Weight Operation		kg kg	3	5		
Dimensions (H Packaged Dim Weight Gross Weight Operation Sound	H/L	kg		5 47 / 44		35 47 / 44
Dimensions (H Packaged Dim Weight Gross Weight Operation	H/L	kg kg	3	5		

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

Indoor Units			FTXS25	DVMW(9)	FTXS25D	VMW(9)	
Models	Outdoor Units		RXS25	DVMB	RXS25I	D2VMB	
	Outdoor Units		Cooling	Heating	Cooling	Heating	
a		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 Rated (Min.~M		Btu/h	8,550 (4,450~10,250)	11,600 (4,450~15,350)	8,550 (4,450~10,250)	11,600 (4,450~15,350)	
Rated (MIII.~W	lax.)	kcal/h	2,150 (1,120~2,580)	2,920 (1,120~3,870)	2,150 (1,120~2,580)	2,920 (1,120~3,870)	
Moisture Remo	oval	L/h	1.2	_	1.2		
Running Curre		А	3.8	4.3	3.8	4.3	
Power Consun				-		-	
Rated (Min.~M		W	685 (300~960)	920 (290~1,430)	685 (300~960)	920 (290~1,430)	
Power Factor		%	78.4	93.0	78.4	93.0	
COP		W/W	2.05 (4.22, 2.42)	2 70 (4 49 2 45)	2.05 (4.22, 2.42)	2 70 (4 40 2 45)	
Rated (Min.~M	lax.)	VV/VV	3.65 (4.33~3.13)	3.70 (4.48~3.15)	3.65 (4.33~3.13)	3.70 (4.48~3.15)	
D : :	Liquid	mm	φ 6	5.4	φ 6	5.4	
Piping Connections	Gas	mm	φ 9	9.5	φ 9	9.5	
Connections	Drain	mm	φ18	3.0	¢18	3.0	
Heat Insulation		Both Liguid a	nd Gas Pipes	Both Liquid ar	nd Gas Pipes		
Indoor Units			FTXS25		FTXS25D		
Front Panel Co	blor		Wr		Wh		
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)	
	ml/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)	
Air Flow Rate	mł/min (cfm)		()	()	· · · /	()	
	(5111)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)	
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)	
	Туре		Cross F		Cross Fl		
Fan	Motor Output	W	4	0	4	0	
	Speed	Steps	5 Steps, S	ilent, Auto	5 Steps, S	ilent, Auto	
Air Direction C	ontrol		Right, Left, Horiz	ontal, Downward	Right, Left, Horizo	ontal, Downward	
Air Filter			Removable / Wash	able / Mildew Proof	Removable / Washa	able / Mildew Proof	
Running Curre	nt (Rated)	А	0.16	0.16	0.16	0.16	
Power Consun	· /	W	35	35	35	35	
Power Factor		%	95.1	95.1	95.1	95.1	
Temperature C	Control	70			Microcompu		
			Microcomputer Control		283×800×195		
Dimensions (H	/	mm	283×800×195				
U	ensions (H×W×D)	mm	265×855×340		265×855×340 9		
Weight		kg	ę				
Gross Weight		kg	1	2	1	2	
Operation	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25	
Sound							
Sound Power	Н	dBA	56	56	56	56	
Outdoor Units	3		RXS25		RXS25I		
Casing Color			Ivory White		Ivory White		
eacing ector	· · · · · · · · · · · · · · · · · · ·						
outing other	Туре		,	aled Swing Type	Hermetically Sea		
	Type Model		,		Hermetically Sea 1YC231	aled Swing Type	
		W	Hermetically Sea	NXD#A		aled Swing Type NXD#A	
Compressor	Model Motor Output	W	Hermetically Sea 1YC23	NXD#A	1YC231	aled Swing Type NXD#A 00	
Compressor Refrigerant	Model Motor Output Type	W	Hermetically Sea 1YC23I 60	NXD#A 00 50K	1YC231 60	aled Swing Type NXD#A 00 50K	
Compressor Refrigerant Oil	Model Motor Output Type Charge		Hermetically Sec 1YC23I 60 FVC 0.3	NXD#A 00 50K 75	1YC23F 60 FVC 0.3	aled Swing Type NXD#A 10 50K 75	
Compressor Refrigerant Oil	Model Motor Output Type Charge Type		Hermetically Sec 1YC23I 60 FVC 0.3 R-4	NXD#A 00 550K 75 10A	1YC23i 60 FVC 0.3 R-4	aled Swing Type NXD#A 00 50K 75 10A	
Compressor Refrigerant Oil	Model Motor Output Type Charge	L kg	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0.	NXD#A 00 50K 75 10A 8	1YC23i 60 FVC 0.3 R-4 0.	aled Swing Type NXD#A 00 50K 75 10A 8	
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type		Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278)	NXD#A 00 50K 75 10A 8 32.6 (1,151)	1YC23i 60 FVC 0.3 R-4 0. 36.2 (1,278)	aled Swing Type NXD#A 00 50K 75 10A 8 32.6 (1,151)	
Compressor Refrigerant Oil Refrigerant	Model Motor Output Type Charge Type Charge mł/min (cfm)	L kg	Hermetically Sec 1YC23l 66 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907)	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080)	1YC23i 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907)	aled Swing Type NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080)	
Compressor Refrigerant Oil Refrigerant Air Flow Rate	Model Motor Output Type Charge Type Charge mł/min (cfm) Type	L kg H L	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller	1YC23ł 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop	aled Swing Type NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L L W	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5	NXD#A 00 50K 775 10A 8 32.6 (1,151) 30.6 (1,080) eller 0	1YC23ł 6C FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop	aled Swing Type NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14	1YC23ł 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64	aled Swing Type NXD#A 10 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A W	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885	1YC23 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 5 3.64 650	aled Swing Type NXD#A 10 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W %	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14	1YC23ł 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64	aled Swing Type NXD#A 10 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9	1YC23 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 5 3.64 650	aled Swing Type NXD#A 10 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W %	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3	1YC23 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 5 3.64 650 77.6	aled Swing Type NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3	
Compressor Refrigerant Oil Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4.	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 55×285	1YC23 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 51 3.64 650 77.6 4.	aled Swing Type NXD#A 10 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A mm mm	Hermetically Sec 1YC23I 66 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 589×88	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363	1YC23ł 60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 51 3.64 650 77.6 4. 550×76 589×88	aled Swing Type NXD#A ND 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 55×285 52×285 52×363	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output int (Rated) inption (Rated) Motor (Rated)	L Kg H L W A W A W % A mm mm kg	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76 589×88 3	NXD#A 00 50K 775 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363 0	1YC23ł 6C FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 56 3.64 650 77.6 77.6 4. 550×76 589×88	aled Swing Type NXD#A ND 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 52×363 0	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output int (Rated) inption (Rated) int wW×D) ensions (H×W×D)	L kg H L W A W % A M M M kg kg	Hermetically Sec 1YC23I 66 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76 589×86 3 3	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 55×285 32×363 0 5	1YC23ł 6C FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 51 3.64 650 77.6 4. 550×76 589×88 33	aled Swing Type NXD#A 10 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363 0 5	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output int (Rated) inption (Rated) Motor (Rated)	L Kg H L W A W M W A W % A mm mm kg	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76 589×88 3	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363 0	1YC23ł 6C FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 56 3.64 650 77.6 77.6 4. 550×76 589×88	aled Swing Type NXD#A ND 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 52×285 52×363 0	
Compressor Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output Int (Rated) mption (Rated) nt I×W×D) ensions (H×W×D) H/L	L kg H L W A W % A M M M kg kg	Hermetically Sec 1YC23I 66 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76 589×86 3 3	NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 55×285 32×363 0 5	1YC23ł 6C FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 51 3.64 650 77.6 4. 550×76 589×88 33	aled Swing Type NXD#A 10 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363 0 5	

Note:

MAX. interunit piping length: 20m
MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

	Indoor Units		FTXS25	D2VMW	FTXS25	D2VMW
Models	Quideer Unite		RXS25	DVMB	RXS25	D2VMB
	Outdoor Units		Cooling	Heating	Cooling	Heating
a		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 Rated (Min.~Ma		Btu/h	8,550 (4,450~10,250)	11,600 (4,450~15,350)	8,550 (4,450~10,250)	11,600 (4,450~15,350
	ax.)	kcal/h	2,150 (1,120~2,580)	2,920 (1,120~3,870)	2,150 (1,120~2,580)	2,920 (1,120~3,870)
Aoisture Remo	oval	L/h	1.2	_	1.2	_
Running Currer	nt (Rated)	А	3.8	4.3	3.8	4.3
Power Consum						
Rated (Min.~M		W	685 (300~960)	920 (290~1,430)	685 (300~960)	920 (290~1,430)
Power Factor		%	78.4	93.0	78.4	93.0
COP		W/W	3.65 (4.33~3.13)	3.70 (4.48~3.15)	3.65 (4.33~3.13)	3.70 (4.48~3.15)
Rated (Min.~M	ax.)	VV/VV	3.05 (4.33~3.13)	3.70 (4.48-3.15)	3.05 (4.33-3.13)	5.70 (4.46~5.15)
Jining	Liquid	mm	φ θ	δ.4	φ θ	δ.4
Piping Connections	Gas	mm	φ 9	9.5	φ 9	9.5
	Drain	mm	φ 1	8.0	φ 1	8.0
leat Insulation			Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes
ndoor Units			FTXS25	D2VMW	FTXS25	D2VMW
ront Panel Co	blor		W	nite	W	nite
I		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)
	mł/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)
	. ,	SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)
	Туре	3L		5.0 (177) low Fan	Cross F	. ,
	Type Motor Output	14/				
an	Motor Output	W		0		0
	Speed	Steps		ilent, Auto	5 Steps, Silent, Auto	
Air Direction Co	ontrol		v	ontal, Downward	Right, Left, Horiz	
Air Filter			Removable / Wash	able / Mildew Proof	Removable / Wash	
Running Curre	nt (Rated)	A	0.16	0.16	0.16	0.16
Power Consum	nption (Rated)	W	35	35	35	35
Power Factor		%	95.1	95.1	95.1	95.1
emperature C	Control		Microcomp	uter Control	Microcomp	uter Control
Dimensions (H	×W×D)	mm	283×800×195		283×800×195	
Packaged Dime	ensions (H×W×D)	mm	265×855×340		265×855×340	
Veight		kg	9		9	
Gross Weight		kg		2		2
Operation						
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25
	Н	dBA	56	56	56	56
Outdoor Units	3			DVMB	RXS25	
Casing Color	-				lvory	
	Туре		Ivory White Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
Compressor	Model			0,11	1YC23NXD#A	
Joinpressor			1YC23NXD#A			
ſ		W 600			600	
	Motor Output	W				
	Туре		FVC	50K	FVC	50K
	Type Charge	W L	FVC 0.3	50K 975	FVC 0.3	50K 875
Dil	Type Charge Type		FVC 0.3 R-4	50K 175 10A	FVC 0.3 R-4	50K 175 10A
Dil	Type Charge	L kg	FVC 0.3 R-4 0	50K 875 10A 8	FVC 0.3 R-4 0	50K 175 10A 8
Dil Refrigerant	Type Charge Type Charge		FVC 0.3 R-4 0 36.2 (1,278)	50K 575 10A .8 32.6 (1,151)	FVC 0.3 R-4 0 36.2 (1,278)	50K 175 10A
Dil Refrigerant	Type Charge Type	L kg	FVC 0.3 R-4 0	50K 875 10A 8	FVC 0.3 R-4 0	50K 175 10A 8
Dil Refrigerant Air Flow Rate	Type Charge Type Charge	L kg H	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907)	50K 575 10A .8 32.6 (1,151)	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907)	50K 575 10A 8 32.6 (1,151)
Dil Refrigerant Air Flow Rate	Type Charge Type Charge mł/min (cfm)	L kg H	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	550K 575 10A 8 32.6 (1,151) 30.6 (1,080)	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	550K 575 10A 8 32.6 (1,151) 30.6 (1,080)
Dil Refrigerant Arrigerant Arrigerant Arrigerant Arrigerant Arrigerant Arrigerant Arrigerant Arrigerant Arriger	Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	550K 575 10A 8 32.6 (1,151) 30.6 (1,080) weller	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	50K 575 10A 8 32.6 (1,151) 30.6 (1,080) reller
Dil Refrigerant ir Flow Rate ian Running Currer	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) 5 3.64	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) Heller 0 4.14	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 5 3.64	250K 175 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14
Dil Refrigerant ir Flow Rate an Running Curren Power Consum	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A W	FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) reller 0 4.14 885	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 5 3.64 650	250K 10A 8 32.6 (1,151) 30.6 (1,080) teller 0 4.14 885
Dil Cefrigerant ir Flow Rate ian Running Curren Power Consum Power Factor	Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W W %	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) reller 0 4.14 885 92.9	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 5 3.64 650 77.6	250K 10A 8 32.6 (1,151) 30.6 (1,080) reller 0 4.14 885 92.9
Dil Image: Constraint of the second	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A	FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4	250K 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3
Arrigerant Arrigerant	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W A W A M M M	FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 .3 55×285
Dil Refrigerant Air Flow Rate Fan Running Curren Power Consum Power Factor Starting Curren Dimensions (H Packaged Dime	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L Kg H L W A W % A M M mm	FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 589×86	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 550×76 5589×86	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363
Dil Refrigerant Air Flow Rate Fan Running Curren Power Consum Power Consum Power Factor Starting Curren Dimensions (H Packaged Dime Veight	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L H L W A W M A W M A M M Kg	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 589×88 33	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363 0	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(550×7(589×8) 3	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) heller 0 4.14 885 92.9 3 35×285 32×363 0
Dil Refrigerant Air Flow Rate Fan Running Curren Power Consum Gower Factor Starting Curren Dimensions (H Packaged Dime Veight Gross Weight	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W % A M M mm	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 589×88 33	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(550×7(589×8) 3	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363
Dil Refrigerant Air Flow Rate an Running Curren Power Consum Power Factor Starting Curren Dimensions (H Packaged Dime Weight Sross Weight Dross Weight Deration	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nt (Rated) nt ×W×D) ensions (H×W×D)	L kg H L W A W A W A M M M kg kg	FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 589×84 3 3	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363 0	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 589×84 3 3	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 55×285 32×363 0 5
Fan Running Currer Power Consum Power Factor Starting Curren Dimensions (Hi	Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D) ensions (H×W×D) H/L	L H L W A W M A W M A M M Kg	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×76 589×88 33	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363 0 5	FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(550×7(589×8) 3	250K 275 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 35×285 32×363 0

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

	Indoor Units		FTXS25DVML			5DVML
Models	Outdoor Units		RXS25DVMB		RXS25D2VMB	
	Outdoor Onits		Cooling	Heating	Cooling	Heating
Conority		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 Rated (Min.~N	ax)	Btu/h	8,550 (4,450~10,250)	11,600 (4,450~15,350)	8,550 (4,450~10,250)	11,600 (4,450~15,350)
	iax.)	kcal/h	2,150 (1,120~2,580)	2,920 (1,120~3,870)	2,150 (1,120~2,580)	2,920 (1,120~3,870)
Moisture Rem	oval	L/h	1.2	_	1.2	_
Running Curre	nt (Rated)	A	3.8	4.3	3.8	4.3
Power Consur		14/	005 (000, 000)	000 (000 4 400)		000 (000 4 400)
Rated (Min.~N	ax.)	W	685 (300~960)	920 (290~1,430)	685 (300~960)	920 (290~1,430)
Power Factor		%	78.4	93.0	78.4	93.0
COP		W/W	3.65 (4.33~3.13)	3.70 (4.48~3.15)	3.65 (4.33~3.13)	3.70 (4.48~3.15)
Rated (Min.~N			()	· · · · ·	. ,	· , ,
Dining	Liquid	mm	φ 6.4		φ 6.4	
Piping Connections	Gas	mm	φ 9.5		φ 9.5	
	Drain	mm	φ18.0		φ18.0	
Heat Insulatior	ı		Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Indoor Units			FTXS25DVML		FTXS25DVML	
Front Panel Co	olor		Silve	r Line	Silve	r Line
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)
	mł/min	М	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)
	Туре	02	(/	()		, ,
Fan	Motor Output	W		Cross Flow Fan Cross Flow Fan 40 40		
i an	Speed	Steps				·
Air Direction C		Sieps	5 Steps, Silent, Auto Right, Left, Horizontal, Downward		5 Steps, Silent, Auto	
Air Direction C	UNUU				Right, Left, Horizontal, Downward Removable / Washable / Mildew Proof	
Air Filter				able / Mildew Proof		
Running Curre		A	0.16	0.16	0.16	0.16
Power Consur	nption (Rated)	W	35	35	35	35
Power Factor		%	95.1	95.1	95.1	95.1
Temperature (uter Control		uter Control
Dimensions (H		mm	283×800×195		283×800×195	
Packaged Dimensions (H×W×D) mm		mm	265×855×340		265×855×340	
Weight		kg		9		9
Gross Weight		kg	1	2	1	2
Operation	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25
Sound	-					
Sound Power	Н	dBA	56	56	56	56
Outdoor Units	3		RXS25DVMB		RXS25	D2VMB
Casing Color			Ivory White		Ivory White	
	Туре		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
Compressor	Model		1YC23NXD#A		1YC23NXD#A	
	Motor Output	W	600		600	
Refrigerant	Туре		FVC50K		FVC50K	
Oil	Charge	L		375	0.375	
	Туре		R-410A		R-410A	
Refrigerant	Charge	kg	0.8		0.8	
	0.10190	H	0.8 36.2 (1,278) 32.6 (1,151)		36.2 (1,278)	32.6 (1,151)
Air Flow Rate m	mł/min (cfm)		25.7 (907)	30.6 (1,080)	25.7 (907)	30.6 (1,080)
	Tupo		- ()	(,,,,	()	(, ,
Fan	Type Motor Output	14/	Propeller 50		Propeller 50	
	Motor Output	W				
Running Curre	, ,	A	3.64	4.14	3.64	4.14
	nption (Rated)	W	650	885	650	885
Power Factor		%	77.6	92.9	77.6	92.9
Starting Curre		A		.3		.3
Dimensions (H×W×D) mm		mm	550×765×285		550×765×285	
Packaged Dimensions (H×W×D) mm		mm	589×882×363		589×882×363	
Weight	, ,		30		30	
Gross Weight		kg		5		5
Operation	ЦЛ					
Sound	H/L	dBA	46 / 43	47 / 44	46 / 43	47 / 44
	11	dBA	61	62	61	62
Sound Power	н	UDA	01	01	01	02

Note:

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

Conversion Formulae	
kcal/h=kW×860 Btu/h=kW×3414	
cfm=mł/min×35.3	

	Indoor Units		FTXS25	D2VML	FTXS25D2VML		
Models	Quide er Unite		RXS25	DVMB	RXS25	D2VMB	
	Outdoor Units		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 Rated (Min.~M	27)	Btu/h	8,550 (4,450~10,250)	11,600 (4,450~15,350)	8,550 (4,450~10,250)	11,600 (4,450~15,350	
	ах.)	kcal/h	2,150 (1,120~2,580)	2,920 (1,120~3,870)	2,150 (1,120~2,580)	2,920 (1,120~3,870)	
Aoisture Remo	oval	L/h	1.2	_	1.2	_	
Running Curre	nt (Rated)	А	3.8	4.3	3.8	4.3	
Power Consum	. ,						
Rated (Min.~M		W	685 (300~960)	920 (290~1,430)	685 (300~960)	920 (290~1,430)	
Power Factor		%	78.4	93.0	78.4	93.0	
COP		W/W	3.65 (4.33~3.13)	3.70 (4.48~3.15)	3.65 (4.33~3.13)	3.70 (4.48~3.15)	
Rated (Min.~M	ax.)	00/00	3.05 (4.33~3.13)	3.70 (4.48-3.13)	3.05 (4.33-3.13)	3.70 (4.46**3.15)	
Dining	Liquid	mm	φ θ	ô.4	φ	6.4	
Piping Connections	Gas	mm	φ 9	9.5	φ.	9.5	
	Drain	mm	φ 1	8.0	φ1	8.0	
Heat Insulation			Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes	
Indoor Units			FTXS25	D2VML	FTXS2	5D2VML	
Front Panel Color			Silve	r Line	Silve	r Line	
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)	
	mł/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)	
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)	
	. ,	SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)	
	Туре			low Fan		low Fan	
an	<i>,</i> ,	W		low Fan 0		low Fan	
an	Motor Output			-		-	
	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, 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	0.16	0.16	0.16	0.16	
Power Consum	nption (Rated)	W	35	35	35	35	
Power Factor		%	95.1	95.1	95.1	95.1	
Femperature C	Control		Microcomp	uter Control	Microcomputer Control		
Dimensions (H	×W×D)	mm	283×800×195		283×800×195		
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340		
Neight	(/	kg	9			9	
Gross Weight		kg		2		2	
Operation							
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25	
Sound Power	Н	dBA	56	56	56	56	
Outdoor Units			RXS25DVMB		RXS25D2VMB		
Outdoor Units		Ivory White					
Casing Color	blor		Ivorv	Hermetically Sealed Swing Type		White	
Casing Color	Type		,		,	White aled Swing Type	
	Type		Hermetically Se	aled Swing Type	Hermetically Se	aled Swing Type	
	Model		Hermetically Sea 1YC23	aled Swing Type NXD#A	Hermetically Se 1YC23	aled Swing Type NXD#A	
Compressor	Model Motor Output	W	Hermetically Sea 1YC23 60	aled Swing Type NXD#A 00	Hermetically Se 1YC23 6	aled Swing Type NXD#A 00	
Compressor	Model Motor Output Type		Hermetically Sec 1YC23 60 FVC	aled Swing Type NXD#A 00 50K	Hermetically Se 1YC23 6 FVC	aled Swing Type NXD#A 00 C50K	
Compressor	Model Motor Output Type Charge	W L	Hermetically Se 1YC23 60 FVC 0.3	aled Swing Type NXD#A 00 50K 175	Hermetically Se 1YC23 6 FVC 0.3	aled Swing Type NXD#A 00 250K 375	
Compressor Refrigerant Dil	Model Motor Output Type Charge Type		Hermetically Se 1YC23 6(FVC 0.3 R-4	aled Swing Type NXD#A 00 50K 575 10A	Hermetically Se 1YC23 6 FVC 0.3 R-4	aled Swing Type NXD#A 00 250K 375 10A	
Compressor Refrigerant Dil	Model Motor Output Type Charge	L kg	Hermetically Se 1YC23 60 FVC 0.3 R-4 0	aled Swing Type NXD#A 30 550K 375 10A 8	Hermetically Se 1YC23 6 FVC 0.3 R-4 0	aled Swing Type NXD#A 00 250K 375 10A .8	
Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge	L kg H	Hermetically Se 1YC23 60 FVC 0.3 R-4 0 36.2 (1,278)	aled Swing Type NXD#A 00 550K 175 10A .8 32.6 (1,151)	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278)	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151)	
Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge mł/min (cfm)	L kg	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907)	aled Swing Type NXD#A 100 150K 175 10A 8 32.6 (1,151) 30.6 (1,080)	Hermetically Se 1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907)	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080)	
Compressor Refrigerant Dil Refrigerant Air Flow Rate	Model Motor Output Type Charge Charge ml/min (cfm) Type	L kg H L	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop	aled Swing Type NXD#A 00 50K 775 10A 8 32.6 (1,151) 30.6 (1,080) weller	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	aled Swing Type NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	
Compressor Refrigerant Dil Refrigerant Nir Flow Rate	Model Motor Output Type Charge Type Charge mł/min (cfm)	L kg H	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop	aled Swing Type NXD#A 100 150K 175 10A 8 32.6 (1,151) 30.6 (1,080)	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080)	
compressor lefrigerant itefrigerant tefrigerant ir Flow Rate an	Model Motor Output Type Charge Charge mł/min (cfm) Type Motor Output	L kg H L	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop	aled Swing Type NXD#A 00 50K 775 10A 8 32.6 (1,151) 30.6 (1,080) weller	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	aled Swing Type NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	
compressor lefrigerant lefrigerant ir Flow Rate an tunning Curre	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L L W	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5	aled Swing Type NXD#A 00 50K 575 10A 8 32.6 (1,151) 30.6 (1,080) weller 0	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	aled Swing Type NXD#A 00 50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50	
compressor tefrigerant ill tefrigerant ir Flow Rate ian tunning Curre ower Consum	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	Hermetically Se 1YC23 60 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64	aled Swing Type NXD#A 00 50K 575 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14	
compressor tefrigerant ill tefrigerant cir Flow Rate ian tunning Curre tower Consun tower Factor	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) mption (Rated)	L kg H L W A W %	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6	aled Swing Type NXD#A 00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) reller 0 4.14 885 92.9	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) peller 50 4.14 885 92.9	
compressor Refrigerant ill Refrigerant ir Flow Rate an Running Curre Power Consun Power Factor itarting Currer	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4	aled Swing Type NXD#A 00 550K 775 10A 8 32.6 (1,151) 30.6 (1,080) reller 0 4.14 885 92.9 3	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3	
Compressor Refrigerant Dil Refrigerant Lir Flow Rate Fan Running Curre Fower Consum Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W A W A M M M	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(aled Swing Type NXD#A 100 150K 175 10A 8 32.6 (1,151) 30.6 (1,080) 101 102 104 8 32.6 (1,151) 30.6 (1,080) 102 102 103 104 104 104 105 104 105 104 105 104 105 105 105 105 105 105 105 105	Hermetically Se 1YC23 6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Construction Power Factor Starting Currer Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A mm mm	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(589×88)	aled Swing Type NXD#A 100 150K 175 10A 8 32.6 (1,151) 30.6 (1,080) 104 105 104 104 105 104 104 105 104 105 104 105 104 105 104 105 105 105 105 105 105 105 105	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Starting Currer Dimensions (H Packaged Dim Neight	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W A W % A mm mm kg	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(589×88 3	aled Swing Type NXD#A NXD#A 100 500K 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 355×285 32×363 0	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8 3	aled Swing Type NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Starting Currer Dimensions (H Packaged Dim Neight Gross Weight	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A mm mm	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(589×88 3	aled Swing Type NXD#A 100 150K 175 10A 8 32.6 (1,151) 30.6 (1,080) 104 105 104 104 105 104 104 105 104 105 104 105 104 105 104 105 105 105 105 105 105 105 105	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8 3	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363	
Weight Gross Weight Operation	Model Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W A W % A mm mm kg	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(589×88 3	aled Swing Type NXD#A NXD#A 100 500K 10A 8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885 92.9 3 355×285 32×363 0	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8 3	aled Swing Type NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Starting Currer Dimensions (H Packaged Dim Neight Gross Weight	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D) H/L H/L	L kg H L W A W A W A M M M kg kg	Hermetically Se 1YC23 6(FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7(589×80 3 3 3 3	aled Swing Type NXD#A NXD#A 100 150K 175 10A 8 32.6 (1,151) 30.6 (1,080) reller 0 4.14 885 92.9 3 35×285 32×363 0 5	Hermetically Se 1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8 3 3 3 3 3 3 3 3 3 3 3 3 3	aled Swing Type NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 50	

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

	Indoor Units		FTXS35	OVMW(9)	FTXS35DVMW(9)		
Models	Outdoor Units		RXS35	DVMB	RXS35I	D2VMB	
	Outdoor Units		Cooling	Heating	Cooling	Heating	
.		kW	3.4 (1.4~3.8)	4.0 (1.4~5.0)	3.4 (1.4~3.8)	4.0 (1.4~5.0)	
Capacity Rated (Min.~N	lov)	Btu/h	11,600 (4,750~12,950)	16,500 (4,750~17,050)	11,600 (4,750~12,950)	16,500 (4,750~17,050)	
Rated (MIII.~W	lax.)	kcal/h	2,920 (1,200~3,270)	3,440 (1,200~4,300)	2,920 (1,200~3,270)	3,440 (1,200~4,300)	
Moisture Remo	oval	L/h	1.9	_	1.9		
Running Curre	ent (Rated)	А	4.8	5.3	4.8	5.3	
Power Consur			-		-		
Rated (Min.~N		W	1,045 (300~1,270)	1,155 (310~1,560)	1,045 (300~1,270)	1,155 (310~1,560)	
Power Factor		%	94.7	94.7	94.7	94.7	
COP		W/W	2.25 (4.67-2.00)	2.46 (4.52-2.21)	3.25 (4.67~2.99)	2 46 (4 52-2 21)	
Rated (Min.~N	lax.)	VV/VV	3.25 (4.67~2.99)	3.46 (4.52~3.21)	3.25 (4.67~2.99)	3.46 (4.52~3.21)	
Distant	Liquid	mm	φ 6.4		φ 6	6.4	
Piping Connections	Gas	mm	φ 9.5		φ 9	0.5	
Conneoliono	Drain	mm	φ18	3.0	φ18	3.0	
Heat Insulation		Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes		
Indoor Units		FTXS35	VMW(9)	FTXS35D	VMW(9)		
Front Panel Color			Wr	ite	Wh	ite	
		Н	8.9 (314)	9.7 (342)	8.9 (314)	9.7 (342)	
	mł/min	M	6.9 (244)	7.9 (279)	6.9 (244)	7.9 (279)	
Air Flow Rate	(cfm)	L	4.8 (169)	6.0 (212)	4.8 (169)	6.0 (212)	
	` ′	SL	4.0 (141)	5.2 (184)	4.8 (109)	5.2 (184)	
	Tupo	3L	4.0 (141) Cross F	- (-)	4.0 (141) Cross F	· · · /	
Fon	Type Motor Output	W					
Fan	Motor Output		4 5 Otana 0		40		
	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, 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	0.18	0.18	0.18	0.18	
Power Consun	nption (Rated)	W	40	40	40	40	
Power Factor		%	96.6	96.6	96.6	96.6	
Temperature C	Control		Microcomputer Control		Microcompu	uter Control	
Dimensions (H	I×W×D)	mm	283×800×195		283×800×195		
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340		
Weight		kg	()	g)	
Gross Weight		kg	1	2	1:	2	
Operation		1	20/20/22	20/20/20	20/20/202	20/20/20	
Sound	H/L/SL	dBA	39 / 26 / 23	39 / 29 / 26	39 / 26 / 23	39 / 29 / 26	
Sound Power	Н	dBA	57	57	57	57	
Outdoor Units	5		RXS35DVMB		RXS35	D2VMB	
Casing Color			Ivory White		Ivory White		
0	Туре		Hermetically Sea		Hermetically Sealed Swing Type		
Compressor	Model		1YC23I		1YC23NXD#A		
e e inpresee	Motor Output	W	60		600		
Dofrigorant	Туре		FVC		FVC		
Refrigerant Oil	Charge	L	0.3		0.3		
0	-	L					
Type			R-410A		R-4 1.		
Refrigerant		1.0	1.0			U	
Refrigerant	Charge	kg				20.0 (1.000)	
	Charge mł/min	kg H	33.5 (1,183)	30.2 (1,066)	33.5 (1,183)	30.2 (1,066)	
	Charge mł/min (cfm)	-	33.5 (1,183) 23.4 (826)	30.2 (1,066) 28.3 (999)	33.5 (1,183) 23.4 (826)	28.3 (999)	
Air Flow Rate	Charge mł/min (cfm) Type	H	33.5 (1,183) 23.4 (826) Prop	30.2 (1,066) 28.3 (999) eller	33.5 (1,183) 23.4 (826) Prop	28.3 (999) eller	
Air Flow Rate Fan	Charge mł/min (cfm) Type Motor Output	H L W	33.5 (1,183) 23.4 (826) Prop 5	30.2 (1,066) 28.3 (999) eller 0	33.5 (1,183) 23.4 (826) Prop 5	28.3 (999) eller 0	
Air Flow Rate Fan Running Curre	Charge mł/min (cfm) Type Motor Output ent (Rated)	H L W A	33.5 (1,183) 23.4 (826) Prop 5 4.62	30.2 (1,066) 28.3 (999) eller 0 5.12	33.5 (1,183) 23.4 (826) Prop 5 4.62	28.3 (999) eller 0 5.12	
Air Flow Rate Fan Running Curre Power Consun	Charge mł/min (cfm) Type Motor Output ent (Rated)	H L W A W	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	28.3 (999) eller 0 5.12 1,115	
Air Flow Rate Fan Running Curre Power Consun Power Factor	Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated)	H L W A	33.5 (1,183) 23.4 (826) Prop 5 4.62	30.2 (1,066) 28.3 (999) eller 0 5.12	33.5 (1,183) 23.4 (826) Prop 5 4.62	28.3 (999) eller 0 5.12	
Air Flow Rate Fan Running Curre Power Consun Power Factor	Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated)	H L W A W	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	28.3 (999) eller 0 5.12 1,115 94.7	
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren	Charge ml/min (cfm) Type Motor Output ent (Rated) nption (Rated)	H L W A W %	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	28.3 (999) eller 0 5.12 1,115 94.7 3	
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Curren Dimensions (H	Charge ml/min (cfm) Type Motor Output ont (Rated) mption (Rated) nt I×W×D)	H L W A W % A	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5.	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 3 55×285	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5.	28.3 (999) eller 0 5.12 1,115 94.7 3 5×285	
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim	Charge ml/min (cfm) Type Motor Output ent (Rated) nption (Rated)	H L W A W % A mm mm	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 550×76 589×88	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 550×76 589×88	28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363	
Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currei Dimensions (H Packaged Dim Weight	Charge ml/min (cfm) Type Motor Output ont (Rated) mption (Rated) nt I×W×D)	H L W A W % A M mm kg	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×88	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5. 550×76 589×88 3	28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 52×363 2	
Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Curree Dimensions (H Packaged Dim Weight Gross Weight	Charge ml/min (cfm) Type Motor Output ent (Rated) mption (Rated) nt i×W×D) eensions (H×W×D)	H L W A W % A M mm kg kg kg	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3 3 3	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 52×285 52×363 2 8	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×86 3 3	28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 52×285 52×363 2 8	
Weight Gross Weight Operation	Charge ml/min (cfm) Type Motor Output ont (Rated) mption (Rated) nt I×W×D)	H L W A W % A M mm kg	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×88	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5. 550×76 589×88 3	28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 52×285 52×363 2	
Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Curree Dimensions (H Packaged Dim Weight Gross Weight	Charge ml/min (cfm) Type Motor Output ent (Rated) nption (Rated) nt I×W×D) eensions (H×W×D) H/L	H L W A W % A M mm kg kg kg	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3 3 3	30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 52×285 52×363 2 8	33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×86 3 3	28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 52×285 52×363 2 8	

Note:

MAX. interunit piping length: 20m
 MAX. interunit height difference: 15m
 Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
 The 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	7.5m

	Indoor Units		FTXS35	D2VMW	FTXS35D2VMW		
Models	Quide er Unite		RXS35	DVMB	RXS35	D2VMB	
	Outdoor Units		Cooling	Heating	Cooling	Heating	
		kW	3.4 (1.4~3.8)	4.0 (1.4~5.0)	3.4 (1.4~3.8)	4.0 (1.4~5.0)	
Capacity Rated (Min.~M	27)	Btu/h	11,600 (4,750~12,950)	16,500 (4,750~17,050)	11,600 (4,750~12,950)	16,500 (4,750~17,050	
kateu (iviin.~ivi	ax.)	kcal/h	2,920 (1,200~3,270)	3,440 (1,200~4,300)	2,920 (1,200~3,270)	3,440 (1,200~4,300)	
Aoisture Remo	oval	L/h	1.9		1.9		
Running Curre	nt (Rated)	А	4.8	5.3	4.8	5.3	
Power Consun	. ,	1 1					
Rated (Min.~M		W	1,045 (300~1,270)	1,155 (310~1,560)	1,045 (300~1,270)	1,155 (310~1,560)	
Power Factor		%	94.7	94.7	94.7	94.7	
COP		W/W	3.25 (4.67~2.99)	3.46 (4.52~3.21)	3.25 (4.67~2.99)	3.46 (4.52~3.21)	
Rated (Min.~M	ax.)	VV/VV	5.25 (4.07~2.99)	3.40 (4.32~3.21)	3.25 (4.07-2.99)	5.40 (4.52~5.21)	
Jining	Liquid	mm	φ θ	õ.4	φ 6	ô.4	
Piping Connections	Gas	mm	φ 9	9.5	φ 9	9.5	
	Drain	mm	φ1	3.0	φ18	3.0	
Heat Insulation		Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes		
Indoor Units			FTXS35	D2VMW	FTXS35	D2VMW	
Front Panel Color			Wt		Wh		
		Н	8.9 (314)	9.7 (342)	8.9 (314)	9.7 (342)	
	mł/min	M	6.9 (244)	7.9 (279)	6.9 (244)	7.9 (279)	
AIF FIOW Rate	(cfm)	L	4.8 (169)	6.0 (212)	4.8 (169)	6.0 (212)	
	. ,	SL	4.0 (109)	5.2 (184)	4.0 (141)	5.2 (184)	
	Туре		4.0 (141) Cross F		4.0 (141) Cross F		
an	<i>,</i> ,	W	LIOSS F		Closs F		
an	Motor Output						
	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, 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	0.18	0.18	0.18	0.18	
Power Consun	nption (Rated)	W	40	40	40	40	
Power Factor		%	96.6	96.6 96.6 96.6		96.6	
Femperature C	Control		Microcomputer Control		Microcomputer Control		
Dimensions (H	×W×D)	mm	283×800×195		283×800×195		
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340		
Neight		kg	9		ç		
Gross Weight		kg	1		1		
Operation							
Sound	H/L/SL	dBA	39 / 26 / 23	39 / 29 / 26	39 / 26 / 23	39 / 29 / 26	
Sound Power	Н	dBA	57	57	57	57	
Outdoor Units			RXS35DVMB		RXS35	D2VMB	
Casing Color			Ivory White				
	or		lvorv	Hermetically Sealed Swing Type		White	
Juaning COIOI	Type		,		,	White aled Swing Type	
	Type		Hermetically Sea	aled Swing Type	Hermetically Sea	aled Swing Type	
	Model		Hermetically Sea 1YC23	aled Swing Type NXD#A	Hermetically Sea 1YC23	aled Swing Type NXD#A	
Compressor	Model Motor Output	W	Hermetically Sea 1YC23 60	aled Swing Type NXD#A)0	Hermetically Sea 1YC23I 60	aled Swing Type NXD#A 00	
Compressor Refrigerant	Model Motor Output Type		Hermetically Sea 1YC23 60 FVC	aled Swing Type NXD#A 00 50K	Hermetically Sec 1YC23I 60 FVC	aled Swing Type NXD#A 00 50K	
Compressor Refrigerant	Model Motor Output Type Charge	W	Hermetically Sec 1YC23 6(FVC 0.3	aled Swing Type NXD#A 00 50K 755	Hermetically Sec 1YC23I 60 FVC 0.3	aled Swing Type NXD#A 00 50K 75	
Compressor Refrigerant Dil	Model Motor Output Type Charge Type	L	Hermetically Sec 1YC23 6(FVC 0.3 R-4	aled Swing Type NXD#A 00 50K 75 10A	Hermetically Sec 1YC23I 6(FVC 0.3 R-4	aled Swing Type NXD#A 00 50K 75 10A	
Compressor Refrigerant Dil	Model Motor Output Type Charge Type Charge	L kg	Hermetically Se 1YC23 6(FVC 0.3 R-4 1	aled Swing Type NXD#A 00 50K 75 10A 0	Hermetically Sec 1YC23 60 FVC 0.3 R-4	aled Swing Type NXD#A 00 50K 75 10A 0	
Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge mł/min	L kg H	Hermetically Se 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183)	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066)	Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183)	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066)	
Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge ml/min (cfm)	L kg	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826)	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999)	Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826)	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999)	
Compressor Refrigerant Dil Refrigerant Air Flow Rate	Model Motor Output Type Charge Type Charge m/min (cfm) Type	L kg H L	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999) eller	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 10 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller	
Compressor Refrigerant Dil Refrigerant Nir Flow Rate	Model Motor Output Type Charge Type Charge ml/min (cfm)	L kg H	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999) eller	Hermetically Sec 1YC23 60 FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826)	aled Swing Type NXD#A 10 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller	
Compressor Refrigerant Dil Refrigerant Arir Flow Rate	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999) eller	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 10 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller	
Compressor Refrigerant Refrigerant dir Flow Rate Gan Running Curre	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L V	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5	aled Swing Type NXD#A 00 50K 50K 10A 0 30.2 (1,066) 28.3 (999) eller 0	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0	
compressor tefrigerant ill tefrigerant ir Flow Rate an tunning Curre ower Consun	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop 5 4.62	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62	aled Swing Type NXD#A 100 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12	
compressor tefrigerant ill tefrigerant cir Flow Rate ian tunning Curre tower Consun tower Factor	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) mption (Rated)	L Kg H L W A W W	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7	Hermetically Sec 1YC23I 60 FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7	
Compressor Refrigerant Dill Refrigerant ir Flow Rate ian Running Curre Power Consun Power Factor Starting Currer	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5.	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3	
Compressor Refrigerant Dil Refrigerant Lir Flow Rate Fan Running Curre Fower Consun Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L H L W A W A W S A M M	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(aled Swing Type NXD#A 100 50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76	aled Swing Type NXD#A 10 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285	
Compressor Refrigerant Dil Refrigerant Lir Flow Rate Cover Construction Cover Factor Starting Currer Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L Kg H L W A W % A mm mm	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88	aled Swing Type NXD#A ND#A 100 50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×88	aled Swing Type NXD#A ND#A 10 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Starting Currer Starting Currer Dimensions (H Packaged Dim Veight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W % A M % A mm mm kg	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88 3	aled Swing Type NXD#A NXD#A 100 50K 175 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×7(550×7(589×88) 3	aled Swing Type NXD#A NXD#A 10 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Starting Currer Dimensions (H Packaged Dim Neight Gross Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W % A mm mm	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88	aled Swing Type NXD#A NXD#A 100 50K 175 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×88	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	
Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W % A M % A mm mm kg	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88 3	aled Swing Type NXD#A NXD#A 100 50K 175 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×7(550×7(589×88) 3	aled Swing Type NXD#A 00 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	
Compressor Refrigerant Dil Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D) H/L H/L	L Kg H L W A W A W A M M Kg Kg	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88 3 3	aled Swing Type NXD#A NXD#A 100 50K 175 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2 8	Hermetically Sec 1YC23I 6(FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 559×86 33 3	aled Swing Type NXD#A 100 50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 32×363 2 8	

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

	Indoor Units		FTXS3	5DVML	FTXS35DVML		
Models	Outdoor Units		RXS35	DVMB	RXS35	D2VMB	
	Outdoor Units		Cooling	Heating	Cooling	Heating	
o		kW	3.4 (1.4~3.8)	4.0 (1.4~5.0)	3.4 (1.4~3.8)	4.0 (1.4~5.0)	
Capacity Rated (Min.~M	lav)	Btu/h	11,600 (4,750~12,950)	16,500 (4,750~17,050)	11,600 (4,750~12,950)	16,500 (4,750~17,050	
	iax.)	kcal/h	2,920 (1,200~3,270)	3,440 (1,200~4,300)	2,920 (1,200~3,270)	3,440 (1,200~4,300)	
Moisture Remo	oval	L/h	1.9		1.9	_	
Running Curre	nt (Rated)	A	4.8	5.3	4.8	5.3	
Power Consum							
Rated (Min.~M	lax.)	W	1,045 (300~1,270)	1,155 (310~1,560)	1,045 (300~1,270)	1,155 (310~1,560)	
Power Factor		%	94.7	94.7	94.7	94.7	
COP		W/W	3.25 (4.67~2.99)	3.46 (4.52~3.21)	3.25 (4.67~2.99)	3.46 (4.52~3.21)	
Rated (Min.~M	,		· · ·	. ,	, , ,	. ,	
Piping	Liquid	mm	φ 6.4		φ 6		
Connections	Gas	mm	φ 9		φ 9		
	Drain	mm	φ18		φ 1 8		
Heat Insulation	ו		Both Liquid a	nd Gas Pipes	Both Liquid ar	nd Gas Pipes	
Indoor Units			FTXS3	5DVML	FTXS35	5DVML	
Front Panel Color		Silver	Line	Silver	Line		
		Н	8.9 (314)	9.7 (342)	8.9 (314)	9.7 (342)	
	mł/min	М	6.9 (244)	7.9 (279)	6.9 (244)	7.9 (279)	
Air Flow Rate	(cfm)	L	4.8 (169)	6.0 (212)	4.8 (169)	6.0 (212)	
		SL	4.0 (141)	5.2 (184)	4.0 (141)	5.2 (184)	
	Туре		4.0 (141) 5.2 (184) Cross Flow Fan		Cross Fl		
Fan	Motor Output	W	4		40		
an	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, Auto		
Air Direction C		Oteps	Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward		
Air Direction C	onuoi		Removable / Washable / Mildew Proof		Removable / Washable / Mildew Proof		
Running Curre	nt (Datad)						
U	· · · ·	A	0.18	0.18	0.18	0.18	
Power Consum	nption (Rated)	W	40	40	40	40	
Power Factor		%	96.6 96.6		96.6 96.6		
Temperature C			Microcomputer Control		Microcomputer Control		
Dimensions (H	,	mm	283×800×195		283×800×195		
	ensions (H×W×D)	mm	265×855×340		265×855×340		
Weight		kg	Ş		9		
Gross Weight		kg	1	2	12	2	
Operation	H/L/SL	dBA	39 / 26 / 23	39 / 29 / 26	39 / 26 / 23	39 / 29 / 26	
Sound							
Sound Power		dBA	57	57	57	57	
Outdoor Units	3		RXS35DVMB		RXS35D2VMB		
Casing Color			Ivory White		Ivory White		
	Туре		Hermetically Sea		Hermetically Sealed Swing Type		
	Model		1YC23	NXD#A	1YC23NXD#A		
Compressor			600		600		
Compressor	Motor Output	W	60				
		W	60 FVC		FVC		
Refrigerant	Motor Output	W		50K		50K	
Refrigerant Oil	Motor Output Type		FVC	50K 175	FVC	50K 75	
Refrigerant Oil	Motor Output Type Charge	L	FVC 0.3	50K 175 10A	FVC 0.3	50K 75 10A	
Compressor Refrigerant Oil Refrigerant	Motor Output Type Charge Type Charge		FVC 0.3 R-4 1.	50K 775 10A 0	FVC 0.3 R-4 1.	50K 75 10A 0	
Refrigerant Oil	Motor Output Type Charge Type	L	FVC 0.3 R-4	50K 775 10A 0 30.2 (1,066)	FVC 0.3 R-4 1. 33.5 (1,183)	50K 75 10A	
Refrigerant Oil Refrigerant Air Flow Rate	Motor Output Type Charge Type Charge mt/min (cfm)	L	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826)	50K 775 10A 0 30.2 (1,066) 28.3 (999)	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826)	50K 75 10A 0 30.2 (1,066) 28.3 (999)	
Refrigerant Oil Refrigerant	Motor Output Type Charge Type Charge ml/min (cfm) Type	L kg H L	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller	
Refrigerant Dil Refrigerant Air Flow Rate	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output	L kg H L L W	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 50	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 5(4.62	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A W	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 5(4.62 1,005	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) mption (Rated)	L kg H L W A W W %	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 5(4.62 1,005 94.6	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5.	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 50 4.62 1,005 94.6 5.	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt (×W×D)	L kg H L W A W A W A M M M	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5. 550×76	50K 50K 50K 50K 50K 50K 50K 50K	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 5(4.62 1,005 94.6 5. 550×76	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 i5×285	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim	Motor Output Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A mm mm	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×88	50K 50K 50K 50K 50K 50K 50K 50K	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 50 4.62 1,005 94.6 5. 550×76 589×88	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 12×363	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Dimensions (H Packaged Dim Weight	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt (×W×D)	L Kg H L W A W A W % A mm mm kg	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 50 4.62 1,005 94.6 5. 550×76 589×88	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 15×285 12×363 2	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt (×W×D)	L kg H L W A W % A mm mm	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×88	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 50 4.62 1,005 94.6 5. 550×76 589×88	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 15×285 12×363 2	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt (×W×D)	L Kg H L W A W A W % A mm mm kg	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 50 4.62 1,005 94.6 5. 550×76 589×88	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 15×285 12×363 2	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Dimensions (H Packaged Dim Weight	Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D) ensions (H×W×D) H/L	L kg H L W A W % A M mm mm kg kg	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 589×86 3 3	50K 50K 50K 50K 50K 50K 50K 50K	FVC 0.3 R-4' 1. 33.5 (1,183) 23.4 (826) Prop 50 4.62 1,005 94.6 5. 550×76 589×88 33	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 15×285 12×363 2 8	

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

	Indoor Units		FTXS35	D2VML	FTXS35D2VML		
Models	Outdoor Units		RXS35	DVMB	RXS35	D2VMB	
	Outdoor Units		Cooling	Heating	Cooling	Heating	
		kW	3.4 (1.4~3.8)	4.0 (1.4~5.0)	3.4 (1.4~3.8)	4.0 (1.4~5.0)	
Capacity Rated (Min.~M	lov)	Btu/h	11,600 (4,750~12,950)	16,500 (4,750~17,050)	11,600 (4,750~12,950)	16,500 (4,750~17,050)	
kateu (iviin.~ivi	lax.)	kcal/h	2,920 (1,200~3,270)	3,440 (1,200~4,300)	2,920 (1,200~3,270)	3,440 (1,200~4,300)	
Aoisture Remo	oval	L/h	1.9		1.9	_	
Running Curre	ent (Rated)	A	4.8	5.3	4.8	5.3	
Power Consun			1 0 15 (000 1 070)				
Rated (Min.~M		W	1,045 (300~1,270)	1,155 (310~1,560)	1,045 (300~1,270)	1,155 (310~1,560)	
Power Factor		%	94.7	94.7	94.7	94.7	
COP		W/W	3.25 (4.67~2.99)	3.46 (4.52~3.21)	3.25 (4.67~2.99)	3.46 (4.52~3.21)	
Rated (Min.~M	lax.)	00/00	5.25 (4.07~2.99)	3.46 (4.52~3.21)	5.25 (4.07~2.99)	3.40 (4.32~3.21)	
Jining	Liquid	mm	φ θ	õ.4	φ	6.4	
Piping Connections	Gas	mm	φ 9	9.5	φ.	9.5	
	Drain	mm	φ1	3.0	φ1	8.0	
Heat Insulation			Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes	
Indoor Units			FTXS35	D2VML	FTXS3	5D2VML	
Front Panel Color			Silver			r Line	
		Н	8.9 (314)	9.7 (342)	8.9 (314)	9.7 (342)	
	mł/min	M	6.9 (244)	7.9 (279)	6.9 (244)	7.9 (279)	
Air Flow Rate	(cfm)	L	4.8 (169)	6.0 (212)	4.8 (169)	6.0 (212)	
	l`´´	SL	4.0 (141)	5.2 (184)	4.0 (141)	5.2 (184)	
	Туре	0L		5.2 (164) low Fan		low Fan	
an	Motor Output	W	LIOSS F			low Fan	
an	I					-	
	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, 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	0.18	0.18	0.18	0.18	
	nption (Rated)	W	40	40	40	40	
Power Factor		%			96.6	96.6	
Cemperature C	Control		Microcomputer Control		Microcomputer Control		
Dimensions (H	I×W×D)	mm	283×800×195		283×800×195		
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340		
Neight		kg	9		9		
Gross Weight		kg	1	2	1	2	
Operation	11/1 /01		00/00/00	00 / 00 / 00	00/00/00	00/00/00	
Sound	H/L/SL	dBA	39 / 26 / 23	39 / 29 / 26	39 / 26 / 23	39 / 29 / 26	
Sound Power	Н	dBA	57	57	57	57	
Outdoor Units	5		RXS35DVMB		RXS35	D2VMB	
Casing Color			Ivory White		lvory	White	
	Туре		Hermetically Sea	aled Swing Type	Hermetically Sealed Swing Type		
Compressor	Model		1YC23	NXD#A	1YC23NXD#A		
	Motor Output	W	60		600		
Refrigerant	Туре			50K		50K	
	Charge	L	0.3				
Dil					0.375		
Dil		-	R-410A		R-410A		
-	Туре						
-	Type Charge	kg	1.	0	1	.0	
Refrigerant	Type Charge mł/min	kg H	1. 33.5 (1,183)	0 30.2 (1,066)	1 33.5 (1,183)	.0 30.2 (1,066)	
Refrigerant	Type Charge mł/min (cfm)	kg	1. 33.5 (1,183) 23.4 (826)	0 30.2 (1,066) 28.3 (999)	1 33.5 (1,183) 23.4 (826)	.0 30.2 (1,066) 28.3 (999)	
Refrigerant Air Flow Rate	Type Charge mł/min (cfm) Type	kg H L	1. 33.5 (1,183) 23.4 (826) Prop	0 30.2 (1,066) 28.3 (999) eller	1 33.5 (1,183) 23.4 (826) Prop	.0 30.2 (1,066) 28.3 (999) peller	
Refrigerant Air Flow Rate	Type Charge mł/min (cfm) Type Motor Output	kg H L W	1 33.5 (1,183) 23.4 (826) Prop 5	0 30.2 (1,066) 28.3 (999) eller 0	1 33.5 (1,183) 23.4 (826) Prop 5	.0 30.2 (1,066) 28.3 (999) beller 50	
Refrigerant hir Flow Rate an Running Curre	Type Charge mł/min (cfm) Type Motor Output ent (Rated)	kg H L W A	1 33.5 (1,183) 23.4 (826) Prop 5 4.62	0 30.2 (1,066) 28.3 (999) eller 0 5.12	1 33.5 (1,183) 23.4 (826) Prop 5 4.62	.0 30.2 (1,066) 28.3 (999) peller 50 5.12	
Refrigerant hir Flow Rate an Running Curre Power Consun	Type Charge mł/min (cfm) Type Motor Output	kg H L W A W	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	.0 30.2 (1,066) 28.3 (999) peller 60 5.12 1,115	
Refrigerant ir Flow Rate can Running Curre Power Consun Power Factor	Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	Kg H L W A W %	1 33.5 (1,183) 23.4 (826) Prop 5 4.62	0 30.2 (1,066) 28.3 (999) eller 0 5.12	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	.0 30.2 (1,066) 28.3 (999) beller 60 5.12 1,115 94.7	
Refrigerant ir Flow Rate ian Running Curre lower Consun lower Factor itarting Currer	Type Charge mt/min (cfm) Type Motor Output mt (Rated) nption (Rated)	kg H L W A W	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	.0 30.2 (1,066) 28.3 (999) peller 60 5.12 1,115	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Type Charge mt/min (cfm) Type Motor Output mt (Rated) nption (Rated)	Kg H L W A W %	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5	.0 30.2 (1,066) 28.3 (999) beller 60 5.12 1,115 94.7	
Refrigerant ir Flow Rate an Running Curre Yower Consun Yower Factor Starting Currer Dimensions (H	Type Charge mt/min (cfm) Type Motor Output mt (Rated) nption (Rated)	kg H L W A W A W A N A	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7/	.0 30.2 (1,066) 28.3 (999) beller 50 5.12 1,115 94.7 .3	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim	Type Charge m//min (cfm) Type Motor Output ent (Rated) mption (Rated) nt I×W×D)	kg H L W A W A M M mm	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×88	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363	1 33.5 (1,183) 23.4 (826) Prop 4.62 1,005 94.6 550×7 550×7 589×8	.0 30.2 (1,066) 28.3 (999) peller 50 5.12 1,115 94.7 .3 65×285	
Refrigerant Air Flow Rate an Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Type Charge m//min (cfm) Type Motor Output ent (Rated) mption (Rated) nt I×W×D)	kg H L W A W A W Kg	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 550×76 589×88	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7 550×7 589×8	.0 30.2 (1,066) 28.3 (999) beller 0 5.12 1,115 94.7 .3 65×285 82×363 2	
Refrigerant Air Flow Rate Fan Running Curree Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Neight Gross Weight	Type Charge m//min (cfm) Type Motor Output ent (Rated) mption (Rated) nt i×W×D) eensions (H×W×D)	kg H L W A W % A mm mkg kg	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3 3	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 32×363 2 8	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7/ 589×8 3 3	.0 30.2 (1,066) 28.3 (999) veller 50 5.12 1,115 94.7 .3 65×285 82×363 12 88	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Packaged Dim Weight Gross Weight Operation	Type Charge m//min (cfm) Type Motor Output ent (Rated) mption (Rated) nt I×W×D)	kg H L W A W A W Kg	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 550×76 589×88	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7 550×7 589×8	.0 30.2 (1,066) 28.3 (999) veller 50 5.12 1,115 94.7 .3 55×285 32×363 .2	
Power Factor Starting Currer Dimensions (H	Type Charge m/min (cfm) Type Motor Output int (Rated) (Rated)	kg H L W A W % A mm mkg kg	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3 3	0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 32×363 2 8	1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7/ 589×8 3 3	.0 30.2 (1,066) 28.3 (999) beller 50 5.12 1,115 94.7 .3 65×285 82×363 12 88	

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

	Indoor Units		FTXS20	DAVMW	FTXS20DAVML		
Models	Outdoor Units		RXS20	D3VMB	RXS20	D3VMB	
	Outdoor Units		Cooling	Heating	Cooling	Heating	
		kW	2.0 (1.3~2.6)	2.7 (1.3~4.1)	2.0 (1.3~2.6)	2.7 (1.3~4.1)	
Capacity Rated (Min.~M	lav)	Btu/h	6,820 (4,430~8,900)	9,210 (4,430~14,000)	6,820 (4,430~8,900)	9,210 (4,430~14,000)	
Rated (MIII.~W	lax.)	kcal/h	1,720 (1,120~2,240)	2,320 (1,120~3,530)	1,720 (1,120~2,240)	2,320 (1,120~3,530)	
Moisture Remo	oval	L/h	0.9	_	0.9		
Running Curre		А	2.7	3.6	2.7	3.6	
Power Consun							
Rated (Min.~M		w	490 (300~830)	660 (290~1,300)	490 (300~830)	660 (290~1,300)	
Power Factor		%	78.9	79.7	78.9	79.7	
COP		W/W	4.09 (4.22-2.12)	4.00 (4.48-2.15)	4.08 (4.33~3.13)	4 00 (4 49- 2 15)	
Rated (Min.~M	lax.)	VV/VV	4.08 (4.33~3.13)	4.09 (4.48~3.15)	4.08 (4.33~3.13)	4.09 (4.48~3.15)	
	Liquid	mm	φ	6.4	φ	6.4	
Piping Connections	Gas	mm	φ 9.5		φ	9.5	
Connectione	Drain	mm	φ1	8.0	φ1	8.0	
Heat Insulation			Both Liquid a	nd Gas Pipes	Both Liquid a	and Gas Pipes	
Indoor Units			FTXS20	DAVMW	FTXS2	DAVML	
Front Panel Color			W	nite	Silve	er Line	
		н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)	
	mł/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)	
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)	
	` <i>'</i>	SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)	
	Тиро	3L	· · · ·	5.0 (177) low Fan	· · · ·	()	
F	Type Mater Output	W			Cross Flow Fan		
Fan	Motor Output		40		40		
	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, Auto		
Air Direction C	ontrol		Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward Removable / Washable / Mildew Proof		
Air Filter			Removable / Washable / Mildew Proof				
Running Curre	· · · ·	A	0.16	0.16	0.16	0.16	
Power Consun	nption (Rated)	W	35	35	35	35	
Power Factor		%	95.1	95.1	95.1	95.1	
Temperature C	Control		Microcomp	uter Control	Microcomp	outer Control	
Dimensions (H	I×W×D)	mm	283×800×195		283×800×195		
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340		
Weight		kg	9			9	
Gross Weight		kg	1	2		12	
Operation			20 / 25 / 22	20 / 20 / 25	20 / 25 / 22	20 / 20 / 25	
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25	
Sound Power	Н	dBA	56	56	56	56	
Outdoor Units	6		RXS20D3VMB		RXS20	D3VMB	
Casing Color			Ivory White		Ivory White		
Ū	Туре		,	aled Swing Type	Hermetically Sealed Swing Type		
Compressor	Model			NXD#A	1YC23NXD#A		
	Motor Output	W		00	600		
Dofrigorant	Туре			50K		C50K	
Refrigerant	Charge	L	0.3			375	
Dil	Charge	L					
Dil	Туре		R-410A		R-410A		
-	Туре	1.0		0			
-	Charge	kg	0	.8).8	
Refrigerant	Charge mł/min	kg H	0 36.2 (1,278)	32.6 (1,151)	36.2 (1,278)	32.6 (1,151)	
Refrigerant	Charge mł/min (cfm)	-	0 36.2 (1,278) 25.7 (907)	32.6 (1,151) 30.6 (1,080)	36.2 (1,278) 25.7 (907)	32.6 (1,151) 30.6 (1,080)	
Refrigerant Air Flow Rate	Charge mł/min (cfm) Type	H	0 36.2 (1,278) 25.7 (907) Prop	32.6 (1,151) 30.6 (1,080) veller	36.2 (1,278) 25.7 (907) Pro	32.6 (1,151) 30.6 (1,080) peller	
Refrigerant Air Flow Rate Fan	Charge mł/min (cfm) Type Motor Output	H L W	0 36.2 (1,278) 25.7 (907) Prop 5	32.6 (1,151) 30.6 (1,080) eller 0	36.2 (1,278) 25.7 (907) Pro	32.6 (1,151) 30.6 (1,080) peller 50	
Refrigerant Air Flow Rate Fan Running Curre	Charge mł/min (cfm) Type Motor Output nt (Rated)	H L W A	0 36.2 (1,278) 25.7 (907) Prop 5 2.54	32.6 (1,151) 30.6 (1,080) veller 0 3.44	36.2 (1,278) 25.7 (907) Proj 2.54	32.6 (1,151) 30.6 (1,080) peller 50 3.44	
Refrigerant Air Flow Rate Fan Running Curre Power Consun	Charge mł/min (cfm) Type Motor Output nt (Rated)	H L W A W	0 36.2 (1,278) 25.7 (907) Prop 5 2.54 455	32.6 (1,151) 30.6 (1,080) eller 0 3.44 625	36.2 (1,278) 25.7 (907) Proj 2.54 455	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625	
Refrigerant Air Flow Rate Fan Running Curre Power Consun	Charge mł/min (cfm) Type Motor Output nt (Rated)	H L W A	0 36.2 (1,278) 25.7 (907) Prop 5 2.54	32.6 (1,151) 30.6 (1,080) veller 0 3.44	36.2 (1,278) 25.7 (907) Proj 2.54	32.6 (1,151) 30.6 (1,080) peller 50 3.44	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated)	H L W A W	0 36.2 (1,278) 25.7 (907) Prop 5 2.54 455 77.9	32.6 (1,151) 30.6 (1,080) eller 0 3.44 625	36.2 (1,278) 25.7 (907) Proj 2.54 455 77.9	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625	
Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt	H L W A W %	0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3	32.6 (1,151) 30.6 (1,080) eller 0 3.44 625 79.0	36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H	Charge m//min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	H L W A W % A M mm	0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×70	32.6 (1,151) 30.6 (1,080) eller 0 3.44 625 79.0 6 55×285	36.2 (1,278) 25.7 (907) Proj 2.54 455 77.9 3 550×7	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim	Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt	H L W A W % A M M M m m m m	0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×7/ 589×8/	32.6 (1,151) 30.6 (1,080) eeller 0 3.44 625 79.0 6 35×285 32×363	36.2 (1,278) 25.7 (907) Proj 2.54 455 77.9 3 550×7 589×8	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Charge m//min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	H L W A W % A A mm mm kg	0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×77 589×88	32.6 (1,151) 30.6 (1,080) veller 0 3.44 625 79.0 6 55×285 32×363 0	36.2 (1,278) 25.7 (907) Proj 2.54 455 77.9 3 550×7 589×8 3	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	Charge m//min (cfm) Type Motor Output nt (Rated) nption (Rated) nt I×W×D) ensions (H×W×D)	H L W A W % A M M M M M M M M Kg kg	0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×70 589×80 3 3 3	32.6 (1,151) 30.6 (1,080) veller 0 3.44 625 79.0 6 35×285 32×363 0 5	36.2 (1,278) 25.7 (907) Proj 2.54 455 77.9 3 550×7 589×8 3 3 3 3 3 3 3 3 3 3 3 3 3	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 65×285 82×363 30 35	
Weight Gross Weight Operation	Charge m//min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	H L W A W % A A mm mm kg	0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×77 589×88	32.6 (1,151) 30.6 (1,080) veller 0 3.44 625 79.0 6 55×285 32×363 0	36.2 (1,278) 25.7 (907) Proj 2.54 455 77.9 3 550×7 589×8 3	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30	
Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight	Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt I×W×D) ensions (H×W×D) H/L	H L W A W % A M M M M M M M M Kg kg	0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×70 589×80 3 3 3	32.6 (1,151) 30.6 (1,080) veller 0 3.44 625 79.0 6 35×285 32×363 0 5	36.2 (1,278) 25.7 (907) Proj 2.54 455 77.9 3 550×7 589×8 3 3 3 3 3 3 3 3 3 3 3 3 3	32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 65×285 82×363 30 35	

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

	Indoor Units		FTXS20D3VMW		FTXS2	FTXS20D3VML	
Models	Outdoor Units		RXS20	D3VMB	RXS20	D3VMB	
	Outdoor Onits		Cooling	Heating	Cooling	Heating	
0		kW	2.0 (1.3~2.6)	2.7 (1.3~4.1)	2.0 (1.3~2.6)	2.7 (1.3~4.1)	
Capacity Rated (Min.~M	lav)	Btu/h	6,820 (4,430~8,900)	9,210 (4,430~14,000)	6,820 (4,430~8,900)	9,210 (4,430~14,000)	
	iax.)	kcal/h	1,720 (1,120~2,240)	2,320 (1,120~3,530)	1,720 (1,120~2,240)	2,320 (1,120~3,530)	
Aoisture Remo	oval	L/h	0.9		0.9	_	
Running Curre	ent (Rated)	A	2.7	3.6	2.7	3.6	
Power Consun	nption	14/	400 (200 . 820)	CCO (200 4 200)	400 (200 . 020)	660 (200 1 200)	
Rated (Min.~M	lax.)	W	490 (300~830)	660 (290~1,300)	490 (300~830)	660 (290~1,300)	
Power Factor		%	78.9	79.7	78.9	79.7	
COP		W/W	4.08 (4.33~3.13)	4.09 (4.48~3.15)	4.08 (4.33~3.13)	4.09 (4.48~3.15)	
Rated (Min.~M	,	**/**	4.00 (4.55 *5.15)	4.09 (4.40 3.13)	4.00 (4.05 - 0.13)	4.03 (4.40 *3.13)	
Piping	Liquid	mm		õ.4		6.4	
Connections	Gas	mm		9.5	φ 9.5		
	Drain	mm	φ 18 .0		φ18.0		
Heat Insulation			Both Liquid a	nd Gas Pipes	Both Liquid a	and Gas Pipes	
ndoor Units			FTXS20	D3VMW	FTXS2	0D3VML	
Front Panel Co	olor		W	nite	Silve	er Line	
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)	
··· -· -	mł/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)	
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)	
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)	
	Туре	J.		low Fan	. ,	Flow Fan	
Fan	Motor Output	W		0		40	
-an	I			-			
	Speed	Steps		ilent, Auto		Silent, Auto	
Air Direction C	ontrol		Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward Removable / Washable / Mildew Proof		
Air Filter				able / Mildew Proof			
Running Curre	· · · ·	A	0.16	0.16	0.16	0.16	
Power Consun	nption (Rated)	W	35	35	35	35	
Power Factor		%	95.1	95.1	95.1	95.1	
Femperature C	Control		Microcomp	uter Control	Microcom	outer Control	
Dimensions (H×W×D) mm		mm	283×8	00×195	283×800×195		
Packaged Dim	ensions (H×W×D)	mm	265×8	55×340	265×8	55×340	
Neight	, ,	kg		9	9		
Gross Weight		kg	1	2		12	
Operation							
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25	
Sound Power	Н	dBA	56	56	56	56	
Outdoor Units	5	-	RXS20	D3VMB	RXS20	D3VMB	
Casing Color			lvorv	White	lvorv	White	
J	Туре		,	aled Swing Type	Hermetically Sealed Swing Type		
Compressor	Model			NXD#A	1YC23NXD#A		
Sompressor	Motor Output	W		00		600	
D. 64	Туре	**				C50K	
			FVC50K			375	
			<u>^</u>	0.375		313	
	Charge	L					
Dil	Charge Type		R-4	10A	R-4	410A	
Dil	Charge Type Charge	kg	R-4 0	10A .8	R-4 (410A 0.8	
Dil Refrigerant	Charge Type Charge mł/min	kg H	R-4 0 36.2 (1,278)	10A .8 32.6 (1,151)	R-4 (36.2 (1,278)	410A 0.8 32.6 (1,151)	
Dil Refrigerant	Charge Type Charge mł/min (cfm)	kg	R-4 0 36.2 (1,278) 25.7 (907)	10A .8 32.6 (1,151) 30.6 (1,080)	R-4 (36.2 (1,278) 25.7 (907)	410A 0.8 32.6 (1,151) 30.6 (1,080)	
Dil Refrigerant Air Flow Rate	Charge Type Charge mł/min (cfm) Type	kg H L	R-4 0 36.2 (1,278) 25.7 (907) Prop	10A .8 32.6 (1,151) 30.6 (1,080) veller	R-(36.2 (1,278) 25.7 (907) Pro	410A 0.8 32.6 (1,151) 30.6 (1,080) peller	
Dil Refrigerant Air Flow Rate	Charge Type Charge mł/min (cfm) Type Motor Output	kg H L W	R-4 0 36.2 (1,278) 25.7 (907) Prop 5	10A .8 32.6 (1,151) 30.6 (1,080) veller 0	R-(36.2 (1,278) 25.7 (907) Pro	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50	
Dil Refrigerant Nir Flow Rate	Charge Type Charge mł/min (cfm) Type Motor Output	kg H L W A	R-4 0 36.2 (1,278) 25.7 (907) Prop 5 2.54	10A .8 32.6 (1,151) 30.6 (1,080) veller	R-(36.2 (1,278) 25.7 (907) Pro	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44	
Dil Refrigerant ir Flow Rate ian Running Curre	Charge Type Charge mł/min (cfm) Type Motor Output	kg H L W A W	R-4 0 36.2 (1,278) 25.7 (907) Prop 5	10A .8 32.6 (1,151) 30.6 (1,080) veller 0	R-(36.2 (1,278) 25.7 (907) Pro	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50	
Dil Refrigerant Lir Flow Rate San Running Curre Power Consun	Charge Type Charge mł/min (cfm) Type Motor Output ent (Rated)	kg H L W A	R-4 0 36.2 (1,278) 25.7 (907) Prop 5 2.54	10A .8 32.6 (1,151) 30.6 (1,080) weller 0 3.44	R-(36.2 (1,278) 25.7 (907) Pro 2.54	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44	
Aefrigerant Air Flow Rate an Running Curre Yower Consun Yower Factor	Charge Type Charge m/min (cfm) Type Motor Output nnt (Rated) nption (Rated)	kg H L W A W	R-4 0 36.2 (1,278) 25.7 (907) Prop 5 2.54 455 77.9	10A .8 32.6 (1,151) 30.6 (1,080) weller 0 3.44 625	R	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625	
Ar Flow Rate	Charge Type Charge m/min (cfm) Type Motor Output mt (Rated) nption (Rated)	kg H L W A W %	R-4 0 36.2 (1,278) 25.7 (907) Prop 5 2.54 455 77.9 3	10A 8 32.6 (1,151) 30.6 (1,080) weller 0 3.44 625 79.0	R- (36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0	
Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H	Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) nption (Rated) nt IXWXD)	kg H L W A W A M M mm	R-4 0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×70	10A .8 .32.6 (1,151) .30.6 (1,080) weller 0 .3.44 .625 .79.0 .6 .55×285	R- (36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9 550×7	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 765×285	
Ar Flow Rate Ar Flow Rate Ar Flow Rate Cower Consum Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim	Charge Type Charge m/min (cfm) Type Motor Output mt (Rated) nption (Rated)	kg H L W A W A M mm mm	R-4 0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×70 589×80	10A .8 32.6 (1,151) 30.6 (1,080) weller 0 3.44 625 79.0 6 35×285 32×363	R- (36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9 550×7 589×8	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 75×285 82×363	
Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) nption (Rated) nt IXWXD)	kg H L W A W A M W kg	R-4 0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×77 589×88	10A 8 32.6 (1,151) 30.6 (1,080) eller 0 3.44 625 79.0 6 35×285 32×363 0	R- (36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9 550×7 589×8	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30	
Dil Carring Currer Carring Currer Power Consun Power Consun Power Factor Ditarting Currer Dimensions (H Packaged Dim Neight Gross Weight	Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) nption (Rated) nt I×W×D) iensions (H×W×D)	kg H L W A W A M kg kg kg kg	R-4 0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×70 589×80 3 3	10A .8 .32.6 (1,151) .30.6 (1,080) weller 0 .3.44 .625 .79.0 .6 .55×285 .32×363 0 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	R (36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9 550×7 589×8	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 (65×285 82×363 30 35	
Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Charge Type Charge m/min (cfm) Type Motor Output ent (Rated) nption (Rated) nt IXWXD)	kg H L W A W A M W kg	R-4 0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×77 589×88	10A 8 32.6 (1,151) 30.6 (1,080) heller 0 3.44 625 79.0 6 35×285 32×363 0	R- (36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9 550×7 589×8	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 65×285 82×363 30	
Power Factor Starting Currer Dimensions (H	Charge Type Charge m/min (cfm) Type Motor Output int (Rated) nption (Rated) nt I×W×D) iensions (H×W×D) H/L	kg H L W A W A M kg kg kg kg	R-4 0 36.2 (1,278) 25.7 (907) Prop 2.54 455 77.9 3 550×70 589×80 3 3	10A .8 .32.6 (1,151) .30.6 (1,080) weller 0 .3.44 .625 .79.0 .6 .55×285 .32×363 0 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	R (36.2 (1,278) 25.7 (907) Pro 2.54 455 77.9 550×7 589×8	410A 0.8 32.6 (1,151) 30.6 (1,080) peller 50 3.44 625 79.0 3.6 (65×285 82×363 30 35	

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414
cfm=mł/min×35.3

	Indoor Units		FTXS25DAVMW			FTXS25DAVML	
Models	Outdoor Units		RXS25	D3VMB	RXS25I	D3VMB	
	Outdoor Onits		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	(m.,)	Btu/h	8,550 (4,450~10,250)	11,600 (4,450~15,350)	8,550 (4,450~10,250)	11,600 (4,450~15,350	
Rated (Min.~M	lax.)	kcal/h	2,150 (1,120~2,580)	2,920 (1,120~3,870)	2,150 (1,120~2,580)	2,920 (1,120~3,870)	
Moisture Remo	oval	L/h	1.2		1.2		
Running Curre		A	3.8	4.3	3.8	4.3	
Power Consun		~	5.6	4.5	5.6		
Rated (Min.~M		W	685 (300~960)	920 (290~1,430)	685 (300~960)	920 (290~1,430)	
Power Factor	iani)	%	78.4	93.0	78.4	93.0	
COP				55.0	70.4		
Rated (Min.~M	lax.)	W/W	3.65 (4.33~3.13)	3.70 (4.48~3.15)	3.65 (4.33~3.13)	3.70 (4.48~3.15)	
	Liguid	mm	φ	6.4	φ 6	34	
Piping	Gas	mm		9.5	φ 9 φ 9		
Connections	Drain	mm		8.0	¢ 3.3 ¢18.0		
lest les detter		111111					
Heat Insulation	1		I	and Gas Pipes	Both Liquid a		
ndoor Units				DAVMW	FTXS25		
Front Panel Co	olor			hite	Silver	-	
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)	
Air Elou: Doto	mł/min	М	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)	
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)	
		SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)	
	Туре			low Fan	Cross F		
Fan	Motor Output	W		10	4		
an	Speed			-			
		Steps	5 Steps, Silent, Auto		5 Steps, Silent, Auto		
Air Direction C	ontrol		Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward		
Air Filter				nable / Mildew Proof	Removable / Wash		
Running Curre	ent (Rated)	A	0.16	0.16	0.16	0.16	
Power Consun	nption (Rated)	W	35	35	35	35	
Power Factor		%	95.1	95.1	95.1	95.1	
Temperature C	Control		Microcomp	uter Control	Microcompu	uter Control	
		mm	283×800×195		283×800×195		
	ensions (H×W×D)	mm	265×855×340		265×855×340		
Weight		kg		9			
Gross Weight				12	1		
ě.		kg		2		2	
Operation Sound	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25	
Sound Power	Н	dBA	56	56	56	56	
Outdoor Units		UDA		D3VMB	RXS25		
	5						
Casing Color	-		,	White	lvory V		
	Туре		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type		
			1YC23NXD#A		1YC23NXD#A		
Compressor	Model						
Compressor	Model Motor Output	W	6	00	60	00	
•		W	6			00	
Refrigerant	Motor Output	W	6 FVC	00	60	00 50K	
Refrigerant Oil	Motor Output Type Charge		6 FVC 0.3	00 C50K	60 FVC	00 50K 75	
Compressor Refrigerant Oil Refrigerant	Motor Output Type Charge Type		6 FVC 0.3 R-4	00 C50K 375	60 FVC 0.3	00 50K 75 10A	
Refrigerant Oil	Motor Output Type Charge	L kg	6 FVC 0.: R-4 0	00 250K 375 10A .8	60 FVC 0.3 R-4 0.	00 50K 75 10A 8	
Refrigerant Oil	Motor Output Type Charge Type Charge		6 FVC 0.: R-4 0 36.2 (1,278)	00 250K 375 110A 1.8 32.6 (1,151)	60 FVC 0.3 R-4 0. 36.2 (1,278)	00 50K 75 10A 8 32.6 (1,151)	
Refrigerant Oil Refrigerant	Motor Output Type Charge Type Charge mł/min (cfm)	L kg	6 FV(0.: R-4 0 36.2 (1,278) 25.7 (907)	00 C50K 375 10A .8 32.6 (1,151) 30.6 (1,080)	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907)	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080)	
Refrigerant Oil Refrigerant	Motor Output Type Charge Type Charge ml/min (cfm) Type	L kg H L	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj	00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller	
Refrigerant Dil Refrigerant Air Flow Rate Fan	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L U W	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj	00 C50K 375 110A 1.8 32.6 (1,151) 30.6 (1,080) beller 50	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output ent (Rated)	L kg H L W A	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Froj 5 3.64	00 C50K 375 110A 1.8 32.6 (1,151) 30.6 (1,080) beller 50 4.14	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L W A W	6 FV(0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 3.64 650	00 C50K 375 110A .8 32.6 (1,151) 30.6 (1,080) celler 50 4.14 885	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 5 3.64 650	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Froj 5 3.64	00 C50K 375 110A 1.8 32.6 (1,151) 30.6 (1,080) beller 50 4.14	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W	6 FV(0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 3.64 650 77.6	00 C50K 375 110A .8 32.6 (1,151) 30.6 (1,080) celler 50 4.14 885	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 5 3.64 650	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre	Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W %	6 FV(0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 3.64 650 77.6 4	00 C50K 375 110A .8 32.6 (1,151) 30.6 (1,080) Deller 50 4.14 885 92.9	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) 5 3.64 650 77.6	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Currer Power Consun Power Factor Starting Currer Dimensions (H	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output mt (Rated) mption (Rated) mt I×W×D)	L kg H L W A W % A M M	6 FV(0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 3.64 650 77.6 4 550×7	00 C50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim	Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A mm mm	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 3.64 650 77.6 4 550×7 589×8	00 C50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76 589×88	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output mt (Rated) mption (Rated) mt I×W×D)	L Kg H L W A W A W % A mm mm kg	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 9 Froj 5 3.64 650 77.6 4 550×7 589×8	00 C50K 375 110A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 77.6 4. 550×76 550×76 3.84×550×76	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363 0	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Curree Dimensions (H Packaged Dim Weight Gross Weight	Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output int (Rated) int (Rated) int (Rated) int I×W×D) iensions (H×W×D)	L kg H L W A W % A mm mm	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 9 Froj 5 3.64 650 77.6 4 550×7 589×8	00 C50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30 55	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76 589×88	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363 0	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curree Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output mt (Rated) mption (Rated) mt I×W×D)	L Kg H L W A W A W % A mm mm kg	6 FVC 0.: R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 9 Froj 5 3.64 650 77.6 4 550×7 589×8	00 C50K 375 110A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 77.6 4. 550×76 550×76 3.84×550×76	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 35×285 32×363 0	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Curree Dimensions (H Packaged Dim Weight Gross Weight	Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output int (Rated) nption (Rated) nt I×W×D) tensions (H×W×D) H/L	L kg H L W A W % A M M M kg kg	6 FV(0.: R-4 0 36.2 (1,278) 25.7 (907) Proj 5 3.64 650 77.6 4 550×7 589×8 3 50×7 589×8	00 C50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30 55	60 FVC 0.3 R-4 0. 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4. 550×76 589×88 3 3 3	00 50K 75 10A 8 32.6 (1,151) 30.6 (1,080) eller 0 4.14 885 92.9 3 55×285 32×363 0 5	

Note:

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

Conversion Formulae	
kcal/h=kW×860 Btu/h=kW×3414	
cfm=mł/min×35.3	

	Indoor Units		FTXS25	D3VMW	FTXS2	FTXS25D3VML	
Models	Quideer Unite		RXS25	D3VMB	RXS25	D3VMB	
	Outdoor Units		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 Rated (Min.~M		Btu/h	8,550 (4,450~10,250)	11,600 (4,450~15,350)	8,550 (4,450~10,250)	11,600 (4,450~15,350	
kaleu (iviiri.~ivi	ax.)	kcal/h	2,150 (1,120~2,580)	2,920 (1,120~3,870)	2,150 (1,120~2,580)	2,920 (1,120~3,870)	
Aoisture Remo	oval	L/h	1.2	_	1.2		
Running Curre	nt (Rated)	А	3.8	4.3	3.8	4.3	
Power Consum							
Rated (Min.~M		W	685 (300~960)	920 (290~1,430)	685 (300~960)	920 (290~1,430)	
Power Factor		%	78.4	93.0	78.4	93.0	
COP		W/W	3.65 (4.33~3.13)	3.70 (4.48~3.15)	3.65 (4.33~3.13)	3.70 (4.48~3.15)	
Rated (Min.~M	ax.)	VV/VV	3.05 (4.33~3.13)	3.70 (4.48-3.15)	3.05 (4.33-3.13)	3.70 (4.46-3.15)	
Din in a	Liquid	mm	φ	6.4	φ	6.4	
Piping Connections	Gas	mm	φ.	9.5	φ 9.5		
	Drain	mm	φ18.0		φ18.0		
Heat Insulation		Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes		
ndoor Units			FTXS25	D3VMW	FTXS2	5D3VML	
ront Panel Co	blor		W	nite	Silve	r Line	
		Н	8.7 (307)	9.4 (332)	8.7 (307)	9.4 (332)	
I	mł/min	M	6.7 (237)	7.6 (268)	6.7 (237)	7.6 (268)	
Air Flow Rate	(cfm)	L	4.7 (166)	5.8 (205)	4.7 (166)	5.8 (205)	
I	. ,	SL	3.9 (138)	5.0 (177)	3.9 (138)	5.0 (177)	
	Туре	0L		low Fan		low Fan	
an	Notor Output	W		low Fan .0		low Fan	
an				·		-	
	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, Auto		
Air Direction C	ontrol			ontal, Downward	Right, Left, Horizontal, Downward		
Air Filter				able / Mildew Proof		able / Mildew Proof	
Running Curre		A	0.16	0.16	0.16	0.16	
Power Consum	nption (Rated)	W	35	35	35	35	
Power Factor		%	95.1	95.1	95.1	95.1	
Femperature C	Control		Microcomp	uter Control	Microcomp	uter Control	
Dimensions (H×W×D) mm		mm	283×800×195		283×800×195		
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340		
Veight		kg	9		9		
Gross Weight		kg	1	2	1	2	
Operation							
Sound	H/L/SL	dBA	38 / 25 / 22	38 / 28 / 25	38 / 25 / 22	38 / 28 / 25	
Sound Power	Н	dBA	56	56	56	56	
Outdoor Units	5	1	RXS25D3VMB		RXS25	D3VMB	
Casing Color				White			
	_				Ivory White Hermetically Sealed Swing Type		
Туре			Hermetically Se	aled Swing Type	Hermetically Se	aled Swing Type	
Compressor			Hermetically Se	0,11			
Compressor	Model	W/	1YC23	NXD#A	1YC23	NXD#A	
•	Model Motor Output	W	1YC23	NXD#A	1YC23 6	NXD#A 00	
Refrigerant	Model Motor Output Type		1YC23 61 FVC	NXD#A 000 000 000 000 000 000 000 000 000 0	1YC23 6 FVC	NXD#A 00 C50K	
Refrigerant	Model Motor Output Type Charge	W L	1YC23 6 FVC 0.3	NXD#A 00 550K 875	1YC23 6 FVC 0.3	NXD#A 00 C50K 375	
Refrigerant Dil	Model Motor Output Type Charge Type		1YC23 6 FVC 0.3 R-4	NXD#A 00 350K 375 10A	1YC23 6 FVC 0.3 R-4	NXD#A 00 250K 375 10A	
Refrigerant Dil	Model Motor Output Type Charge	L kg	1YC23 6i FVC 0.3 R-4 0	NXD#A 200 250K 375 10A .8	1YC23 6 FVC 0.3 R-4 0	NXD#A 00 250K 375 10A .8	
Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge	L kg H	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278)	NXD#A 200 250K 375 10A .8 32.6 (1,151)	1YC23 6 FVC 0.3 R-4 36.2 (1,278)	NXD#A 00 250K 375 10A .8 32.6 (1,151)	
Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge mł/min (cfm)	L kg	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907)	NXD#A 200 250K 375 10A .8 32.6 (1,151) 30.6 (1,080)	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907)	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080)	
Refrigerant Dil Refrigerant Air Flow Rate	Model Motor Output Type Charge Charge mł/min (cfm) Type	L kg H L	1YC23 60 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	
Refrigerant Dil Refrigerant Nir Flow Rate	Model Motor Output Type Charge Type Charge mł/min (cfm)	L kg H	1YC23 60 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop	NXD#A 200 250K 375 10A .8 32.6 (1,151) 30.6 (1,080)	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080)	
Refrigerant Dil Refrigerant ir Flow Rate	Model Motor Output Type Charge Charge mł/min (cfm) Type Motor Output	L kg H L	1YC23 60 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller	
Refrigerant Dil Refrigerant Lir Flow Rate an Running Curre	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L V W	1YC23 60 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5	NXD#A 00 550K 775 10A .8 32.6 (1,151) 30.6 (1,080) beller 0	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50	
tefrigerant bil tefrigerant ir Flow Rate an tunning Curre ower Consun	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	1YC23 6i FVC 0.3 R4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64	NXD#A 00 550K 575 10A .8 32.6 (1,151) 30.6 (1,080) beller 0 4.14	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) peller 50 4.14	
Refrigerant Dil Refrigerant Ar Flow Rate an Running Curre Power Consun Power Factor	Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) mption (Rated)	L kg H L W A W	1YC23 6i FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 5 3.64 650 77.6	NXD#A 00 550K 575 10A .8 32.6 (1,151) 30.6 (1,080) weller 0 4.14 885	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) peller 50 4.14 885	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt	L kg H L W A W % A	1YC23 6i FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) 25.7 (907) 5 3.64 650 77.6 4	NXD#A 00 50K 575 10A .8 32.6 (1,151) 30.6 (1,080) 0 0 4.14 885 92.9 .3	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3	
Refrigerant Dil Refrigerant Air Flow Rate an Running Curre Power Consun Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W A W A M M M	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×70	NXD#A 00 50K 375 10A .8 32.6 (1,151) 30.6 (1,080) oeller 0 4.14 885 92.9 .3 55×285	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285	
Refrigerant Dil Refrigerant Air Flow Rate an Running Currer Yower Consum Power Factor Starting Currer Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt	L Kg H L W A W % A mm mm	1YC23 60 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×77 589×80	NXD#A D0 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 0 4.14 885 92.9 .3 35×285 32×363	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8	NXD#A 00 50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Starting Currer Dimensions (H Packaged Dim Veight	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W M W A W % A mm mm kg	1YC23 60 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×81 3	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 00 4.14 885 92.9 .3 55×285 32×363 0	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8	NXD#A 00 250K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30	
Refrigerant Dill Refrigerant Air Flow Rate Tan Running Curre Yower Consum Power Factor Starting Curre Ottarting Curre Starting Curre Dimensions (H Yackaged Dim Veight Gross Weight	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W % A mm mm	1YC23 60 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×81 3	NXD#A D0 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 0 4.14 885 92.9 .3 35×285 32×363	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8	NXD#A 00 50K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363	
Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Model Motor Output Type Charge Type Charge mt/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W M W A W % A mm mm kg	1YC23 60 FVC 0.3 R-4 0 36.2 (1.278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×81 3	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 00 4.14 885 92.9 .3 55×285 32×363 0	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30	
Compressor Refrigerant Oil Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation Sound Sound Power	Model Model Motor Output Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D) ensions (H×W×D) H/L	L kg H L W A W % A M M M kg kg	1YC23 60 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×77 589×80 3 3	NXD#A D0 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 0 4.14 885 92.9 .3 35×285 32×363 0 5	1YC23 6 FVC 0.3 R-4 0 36.2 (1,278) 25.7 (907) Prop 5 3.64 650 77.6 4 550×7 589×8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	NXD#A 00 550K 375 10A .8 32.6 (1,151) 30.6 (1,080) beller 50 4.14 885 92.9 .3 65×285 82×363 30 55	

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

	Indoor Units		FTXS35DAVMW			FTXS35DAVML	
Models	Outdoor Units		RXS35	D3VMB	RXS35	D3VMB	
	Outdoor Units		Cooling	Heating	Cooling	Heating	
		kW	3.4 (1.4~3.8)	4.0 (1.4~5.0)	3.4 (1.4~3.8)	4.0 (1.4~5.0)	
Capacity Rated (Min.~M	lav)	Btu/h	11,600 (4,750~12,950)	16,500 (4,750~17,050)	11,600 (4,750~12,950)	16,500 (4,750~17,050	
	iax.)	kcal/h	2,920 (1,200~3,270)	3,440 (1,200~4,300)	2,920 (1,200~3,270)	3,440 (1,200~4,300)	
Moisture Remo	oval	L/h	1.9	_	1.9		
Running Curre	nt (Rated)	А	4.8	5.3	4.8	5.3	
Power Consun			-		-		
Rated (Min.~M		W	1,045 (300~1,270)	1,155 (310~1,560)	1,045 (300~1,270)	1,155 (310~1,560)	
Power Factor		%	94.7	94.7	94.7	94.7	
COP		W/W	2.25 (4.67, 2.00)	2.40 (4.52, 2.24)	3.25 (4.67~2.99)	2.40 (4.52, 2.24)	
Rated (Min.~M	lax.)	VV/VV	3.25 (4.67~2.99)	3.46 (4.52~3.21)	3.25 (4.67~2.99)	3.46 (4.52~3.21)	
	Liquid	mm	φ 6.4		φ 6	6.4	
Piping Connections	Gas	mm	φ 9	9.5	φ 9.5		
Connectione	Drain	mm	φ 18.0		φ18.0		
Heat Insulation		Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes		
ndoor Units			FTXS35	DAVMW	FTXS35	DAVML	
Front Panel Co	olor		Wr	nite	Silver	r Line	
		Н	8.9 (314)	9.7 (342)	8.9 (314)	9.7 (342)	
	mł/min	M	6.9 (244)	7.9 (279)	6.9 (244)	7.9 (279)	
Air Flow Rate	(cfm)	L	4.8 (169)	6.0 (212)	4.8 (169)	6.0 (212)	
	` <i>'</i>	SL	4.0 (109)	5.2 (184)	4.0 (141)	5.2 (184)	
	Tupo	οL	· · ·	- (-)	· · · ·	· · · · ·	
	Type Mater Output	14/	Cross F		Cross F		
Fan	Motor Output	W	4			0	
	Speed	Steps	5 Steps, Silent, Auto		5 Steps, Silent, Auto		
Air Direction C	ontrol		Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward		
Air Filter			Removable / Wash			able / Mildew Proof	
Running Curre	nt (Rated)	A	0.18	0.18	0.18	0.18	
Power Consun	nption (Rated)	W	40	40	40	40	
Power Factor		%	96.6	96.6	96.6	96.6	
Temperature C	Control		Microcomp	uter Control	Microcomp	uter Control	
Dimensions (H×W×D) mm		283×80	0×195	283×800×195			
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×855×340		
Weight		kg	ç)	()	
Gross Weight		kg	1			2	
Operation							
Sound	H/L/SL	dBA	39 / 26 / 23	39 / 29 / 26	39 / 26 / 23	39 / 29 / 26	
Sound Power	Н	dBA	57	57	57	57	
Outdoor Units	6	-	RXS35	D3VMB	RXS35	D3VMB	
Casing Color			Ivory	White	lvorv	White	
J	Туре		Hermetically Sea		Ivory White Hermetically Sealed Swing Type		
Compressor	Model		-	0,11	1YC23NXD#A		
			1YC23NXD#A				
	Motor Output	\ \ /	60	10	600 Ex(050)(
Definerent	Motor Output	W	60 EV/C				
	Туре		FVC	50K	FVC	50K	
	Type Charge	W L	FVC 0.3	50K 175	FVC 0.3	50K 75	
Oil	Type Charge Type	L	FVC 0.3 R-4	50K 175 10A	FVC 0.3 R-4	50K 175 10A	
Oil	Type Charge Type Charge	L	FVC 0.3 R-4 1.	50K 75 10A 0	FVC 0.3 R-4 1	50K 175 10A 0	
Oil Refrigerant	Type Charge Type Charge mł/min	L	FVC 0.3 R-4 1. 33.5 (1,183)	50K 75 10A 0 30.2 (1,066)	FVC 0.3 R-4 1 33.5 (1,183)	50K 575 10A 0 30.2 (1,066)	
Oil Refrigerant	Type Charge Type Charge mł/min (cfm)	L	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826)	50K 775 10A 0 30.2 (1,066) 28.3 (999)	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826)	50K 575 10A 0 30.2 (1,066) 28.3 (999)	
Oil Refrigerant Air Flow Rate	Type Charge Type Charge ml/min (cfm) Type	L kg H L	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop	50K 575 10A 0 30.2 (1,066) 28.3 (999) veller	
Oil Refrigerant Air Flow Rate	Type Charge Type Charge mł/min (cfm)	L kg H L L	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5	50K 175 10A 0 30.2 (1,066) 28.3 (999) veller 0	
Dil Refrigerant Air Flow Rate	Type Charge Type Charge mł/min (cfm) Type Motor Output	L kg H L	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop	50K 575 10A 0 30.2 (1,066) 28.3 (999) veller	
Dil Refrigerant Nir Flow Rate Fan Running Curre	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L L	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5	50K 575 10A 0 30.2 (1,066) 28.3 (999) weller 0	
Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun	Type Charge Type Charge mł/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62	50K 575 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12	
Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	50K 775 10A 0 30.2 (1,066) 28.3 (999) veller 0 5.12 1,115	
Dil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Factor Starting Currer	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5.	50K 75 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5	250K 275 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12 1,115 94.7	
Dil Refrigerant Air Flow Rate Fan Running Currer Power Consum Power Factor Starting Currer Dimensions (H	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W A W A M M M	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76	550K 175 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12 1,115 94.7 3 55×285	
Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated)	L kg H L W A W % A mm mm	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×88	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×88	550K 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 32×363	
Cil Circle Constant Circle Constant Circle Circle Constant Circle Constant Circle Constant Circle Ci	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W A W % A mm mm kg	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(550×7(589×88) 3	550K 175 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12 1,115 94.7 3 35×285 32×363 2	
Cil Circle Constraints of the constraint of the	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W % A mm mm	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 550×76 589×88	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(550×7(589×88) 3	550K 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 55×285 32×363	
Oil Cill Refrigerant Air Flow Rate Fan Running Curree Power Consun Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Operation	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W A W % A mm mm kg	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3	50K 775 10A 0 30.2 (1,066) 28.3 (999) eller 0 5.12 1,115 94.7 3 35×285 32×363 2	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(550×7(589×88) 3	550K 575 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12 1,115 94.7 3 55×285 32×363 2	
Refrigerant Oil Refrigerant Air Flow Rate Fan Running Curre Power Consun Power Consun Power Factor Dimensions (H Packaged Dim Weight Gross Weight Operation Sound Sound Power	Type Charge Type Charge m/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D) ensions (H×W×D)	L kg H L W A W % A M mm mm kg kg	FVC 0.3 R-4 1. 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×76 589×86 3 3	50K 50K 50K 50K 50K 50K 50K 50K	FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×76 589×86 3 3	50K 575 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12 1,115 94.7 3 55×285 32×363 2 8	

Note:

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

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=mł/min×35.3

	Indoor Units		FTXS35D3VMW		FTXS35D3VML	
Models Outdoor Units			RXS35	D3VMB	RXS35	D3VMB
	Outdoor Units		Cooling	Heating	Cooling	Heating
		kW	3.4 (1.4~3.8)	4.0 (1.4~5.0)	3.4 (1.4~3.8)	4.0 (1.4~5.0)
Capacity Rated (Min.~M		Btu/h	11,600 (4,750~12,950)	16,500 (4,750~17,050)	11,600 (4,750~12,950)	16,500 (4,750~17,050
kaleu (iviiri.~ivi	ax.)	kcal/h	2,920 (1,200~3,270)	3,440 (1,200~4,300)	2,920 (1,200~3,270)	3,440 (1,200~4,300)
Aoisture Remo	oval	L/h	1.9	_	1.9	
Running Curre	nt (Rated)	A	4.8	5.3	4.8	5.3
Power Consum						
Rated (Min.~M		W	1,045 (300~1,270)	1,155 (310~1,560)	1,045 (300~1,270)	1,155 (310~1,560)
Power Factor		%	94.7	94.7	94.7	94.7
COP		W/W	3.25 (4.67~2.99)	3.46 (4.52~3.21)	3.25 (4.67~2.99)	3.46 (4.52~3.21)
Rated (Min.~M	ax.)	00/00	5.25 (4.07~2.99)	3.40 (4.52~3.21)	5.25 (4.07~2.99)	3.40 (4.52~3.21)
Dining	Liquid	mm	φ 6.4		φ 6.4	
Piping Connections	Gas	mm	φ 9.5		φ.	9.5
	Drain	mm	φ 1	8.0	φ1	8.0
leat Insulation	1		Both Liquid a	nd Gas Pipes	Both Liquid a	nd Gas Pipes
ndoor Units			FTXS35	D3VMW	FTXS3	5D3VML
ront Panel Co	blor		Wt	nite	Silve	r Line
		Н	8.9 (314)	9.7 (342)	8.9 (314)	9.7 (342)
I	mł/min	M	6.9 (244)	7.9 (279)	6.9 (244)	7.9 (279)
Air Flow Rate	(cfm)	L	4.8 (169)	6.0 (212)	4.8 (169)	6.0 (212)
ļ	. ,	SL	4.0 (141)	5.2 (184)	4.0 (109)	5.2 (184)
	Туре	31	· · · ·	5.2 (104) low Fan		5.2 (164) Flow Fan
	Type Motor Output	14/				
an	Motor Output	W		0		l0
	Speed	Steps		ilent, Auto	5 Steps, Silent, Auto	
Air Direction C	ontrol		Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
vir Filter				able / Mildew Proof	Removable / Washable / Mildew Proof	
Running Curre		A	0.18	0.18	0.18	0.18
ower Consum	nption (Rated)	W	40	40	40	40
Power Factor		%	96.6	96.6	96.6	96.6
Femperature C	Control		Microcomp	uter Control	Microcomp	uter Control
Dimensions (H×W×D) mm		283×800×195		283×8	00×195	
Packaged Dim	ensions (H×W×D)	mm	265×855×340		265×8	55×340
Veight		kg	9			9
Gross Weight		kg		2		2
Operation						
Sound	H/L/SL	dBA	39 / 26 / 23	39 / 29 / 26	39 / 26 / 23	39 / 29 / 26
Sound Power	Н	dBA	57	57	57	57
Outdoor Units	5		RXS35	D3VMB	RXS35	D3VMB
				White		
						White
	Type		,		,	White aled Swing Type
Casing Color	Type		Hermetically Sea	aled Swing Type	Hermetically Se	aled Swing Type
Casing Color	Model	- W	Hermetically Sea 1YC23	aled Swing Type NXD#A	Hermetically Se 1YC23	aled Swing Type NXD#A
Casing Color Compressor	Model Motor Output	W	Hermetically Sea 1YC23 60	aled Swing Type NXD#A 00	Hermetically Se 1YC23 6	aled Swing Type NXD#A 00
Casing Color Compressor Refrigerant	Model Motor Output Type		Hermetically Sea 1YC23 60 FVC	aled Swing Type NXD#A 00 50K	Hermetically Se 1YC23 6 FVC	aled Swing Type NXD#A 00 C50K
Casing Color Compressor Refrigerant	Model Motor Output Type Charge	W L	Hermetically Sec 1YC23 6(FVC 0.3	aled Swing Type NXD#A 00 50K 175	Hermetically Se 1YC23 6 FVC 0.3	aled Swing Type NXD#A 00 250K 375
Casing Color Compressor Refrigerant Dil	Model Motor Output Type Charge Type	L	Hermetically Sec 1YC23 6(FVC 0.3 R-4	aled Swing Type NXD#A 00 50K 75 10A	Hermetically Se 1YC23 6 FVC 0.3 R-4	aled Swing Type NXD#A 00 250K 375 10A
Casing Color Compressor Refrigerant Dil	Model Motor Output Type Charge	L kg	Hermetically Se 1YC23 6(FVC 0.3 R-4 1	aled Swing Type NXD#A 30 550K 375 10A 0	Hermetically Se 1YC23 6 FVC 0.3 R-4 1	aled Swing Type NXD#A 00 250K 375 10A .0
Casing Color Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge ml/min	L kg H	Hermetically Se 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183)	aled Swing Type NXD#A 00 550K 175 10A .0 30.2 (1,066)	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183)	aled Swing Type NXD#A 00 250K 375 10A .0 30.2 (1,066)
Casing Color Compressor Refrigerant Dil Refrigerant	Model Motor Output Type Charge Type Charge ml/min (cfm)	L kg	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826)	aled Swing Type NXD#A 00 550K 775 10A 0 30.2 (1,066) 28.3 (999)	Hermetically Se 1YC23 6 FVC 0.: R-4 1 33.5 (1,183) 23.4 (826)	aled Swing Type NXD#A 00 250K 375 10A .0 30.2 (1,066) 28.3 (999)
Casing Color Compressor Refrigerant Dil Refrigerant Air Flow Rate	Model Motor Output Type Charge Type Charge m/min (cfm) Type	L kg H L	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999) weller	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 550K 375 10A .0 30.2 (1,066) 28.3 (999) beller
Casing Color Compressor Refrigerant Dill Refrigerant Lir Flow Rate	Model Motor Output Type Charge Type Charge ml/min (cfm)	L kg H	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 550K 775 10A 0 30.2 (1,066) 28.3 (999)	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 250K 375 10A .0 30.2 (1,066) 28.3 (999)
Casing Color Compressor Refrigerant Refrigerant Refrigerant Lir Flow Rate	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output	L kg H L	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999) weller	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 550K 375 10A .0 30.2 (1,066) 28.3 (999) beller
casing Color compressor defrigerant tefrigerant tefrigerant ir Flow Rate an tunning Curre	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L L W	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5	aled Swing Type NXD#A 00 50K 575 10A 0 30.2 (1,066) 28.3 (999) weller 0	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop	aled Swing Type NXD#A 00 550K 375 10A .0 30.2 (1,066) 28.3 (999) peller 50
casing Color compressor defrigerant defrigerant defrigerant durning Curre cower Consum	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated)	L kg H L W A	Hermetically Sec 1YC23 6(FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop 5 4.62	aled Swing Type NXD#A 00 50K 50K 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12	Hermetically Se 1YC23 6 FVC 0.3 R-4 33.5 (1,183) 23.4 (826) Prop 5 4.62	aled Swing Type NXD#A 00 50K 375 10A .0 30.2 (1,066) 28.3 (999) beller 50 5.12
Casing Color Compressor Refrigerant Martine Rate Can Running Curre Rower Consum Power Factor	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) mption (Rated)	L kg H L W A W %	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	aled Swing Type NXD#A 00 500K 775 10A 0 30.2 (1,066) 28.3 (999) reller 0 5.12 1,115 94.7	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6	aled Swing Type NXD#A 00 250K 375 10A .0 30.2 (1,066) 28.3 (999) peller 50 5.12 1,115 94.7
Casing Color Compressor Refrigerant Dil Refrigerant Lir Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt	L kg H L W A W % A	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5	aled Swing Type NXD#A 00 550K 775 10A 0 30.2 (1,066) 28.3 (999) veller 0 5.12 1,115 94.7 3	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5	aled Swing Type NXD#A 00 250K 375 10A .0 30.2 (1,066) 28.3 (999) beller 50 5.12 1,115 94.7 .3
Casing Color Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Fower Consum Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L kg H L W A W A W A M M M	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(aled Swing Type NXD#A 100 150K 175 10A 0 30.2 (1,066) 28.3 (999) reller 0 5.12 1,115 94.7 3 55×285	Hermetically Se 1YC23 6 FVC 0.: R-4 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7	aled Swing Type NXD#A 00 250K 375 10A 0 30.2 (1,066) 28.3 (999) peller 50 5.12 1,115 94.7 .3 65×285
Casing Color Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Fower Consun Power Factor Starting Currer Dimensions (H Packaged Dim	Model Motor Output Type Charge Type Charge mi/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt	L Kg H L W A W % A mm mm	Hermetically Sec 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88	aled Swing Type NXD#A 100 150K 175 10A 0 30.2 (1,066) 28.3 (999) reller 0 5.12 1,115 94.7 3 35×285 32×363	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7 589×8	aled Swing Type NXD#A 00 250K 375 10A 0 30.2 (1,066) 28.3 (999) beller 50 5.12 1,115 94.7 .3 65×285 82×363
Casing Color Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Dimensions (H Packaged Dim Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W A W % A mm mm kg	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88 3	aled Swing Type NXD#A 00 50K 575 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12 1,115 94.7 3 355×285 32×363 2	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7 589×8 3	aled Swing Type NXD#A 00 550K 375 10A .0 30.2 (1,066) 28.3 (999) beller 50 5.12 1,115 94.7 .3 65×285 82×363 32
Casing Color Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Factor Starting Currer Starting Currer Dimensions (H Packaged Dim Veight Gross Weight	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W % A mm mm	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88 3	aled Swing Type NXD#A 100 150K 175 10A 0 30.2 (1,066) 28.3 (999) reller 0 5.12 1,115 94.7 3 35×285 32×363	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7 589×8 3	aled Swing Type NXD#A 00 250K 375 10A 0 30.2 (1,066) 28.3 (999) beller 50 5.12 1,115 94.7 .3 65×285 82×363
Casing Color Compressor Refrigerant Dil Refrigerant Air Flow Rate Fan Running Curre Power Consum Power Factor Starting Currer Dimensions (H Packaged Dim Weight Gross Weight Diperation	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) nption (Rated) nt ×W×D)	L Kg H L W A W A W % A mm mm kg	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×88 3	aled Swing Type NXD#A 00 50K 775 10A 0 30.2 (1,066) 28.3 (999) weller 0 5.12 1,115 94.7 3 355×285 32×363 2	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7 589×8 3	aled Swing Type NXD#A 00 550K 375 10A .0 30.2 (1,066) 28.3 (999) beller 50 5.12 1,115 94.7 .3 65×285 82×363 32
Casing Color Compressor Refrigerant Dil Air Flow Rate Fan Running Curre Fower Consum Power Factor Starting Currer Dimensions (H	Model Motor Output Type Charge Type Charge ml/min (cfm) Type Motor Output nt (Rated) mption (Rated) nt ×W×D) ensions (H×W×D) H/L	L kg H L W A W % A M M M kg kg	Hermetically Sei 1YC23 6(FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 5 550×7(589×86 3 3 3	aled Swing Type NXD#A 100 150K 175 10A 0 30.2 (1,066) 28.3 (999) reller 0 5.12 1,115 94.7 3 35×285 32×363 2 8	Hermetically Se 1YC23 6 FVC 0.3 R-4 1 33.5 (1,183) 23.4 (826) Prop 5 4.62 1,005 94.6 550×7 589×8 3 3	aled Swing Type NXD#A 00 250K 375 10A 0 28.3 (999) beller 50 5.12 1,115 94.7 .3 65×285 82×363 32

Note: MAX. interunit piping length: 20m

MAX. interunit height difference: 15m
Amount of additional charge of refrigerant 20g/m for piping length exceeding 10m
The 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	7.5m

Part 3 Printed Circuit Board Connector Wiring Diagram

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	1.2	Outdoor Unit	42

Printed Circuit Board Connector Wiring Diagram Indoor Unit

Connectors

- 1) S1 Connector for fan motor
- 2) S6 Connector for swing motor (horizontal blades)
- 3) S21 Connector for centralized control (HA)
- 4) S26 Connector for display PCB
- 5) S27, S29, S36 Connector for control PCB
- 6) S28 Connector for signal receiver PCB
- 7) S32 Connector for heat exchanger thermistor
- 8) S35 Connector for INTELLIGENT EYE sensor PCB

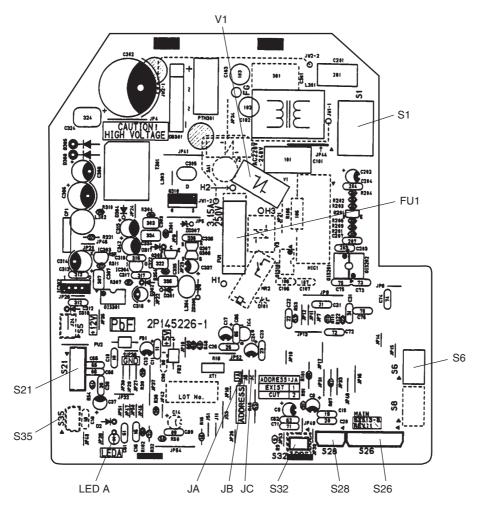


: Other designations

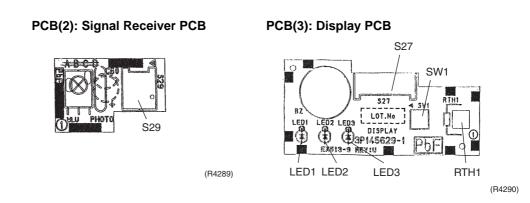
- 1) V1 Varistor
- 2) JA Address setting jumper
 - JB Fan speed setting when compressor is OFF on thermostat
 - JC Power failure recovery function (auto-restart)
 - Refer to page 205 for detail.
- 3) SW1 Forced operation ON / OFF switch
- 4) LED1 LED for operation (green)
- 5) LED2 LED for timer (yellow)
- 6) LED3 LED for INTELLIGENT EYE (green)
- 7) LED A LED for service monitor (green)
- 8) FU1 Fuse (3.15A)
- 9) RTH1 Room temperature thermistor

PCB Detail

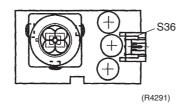
PCB(1): Control PCB



(R4288)



PCB(4): INTELLIGENT EYE sensor PCB

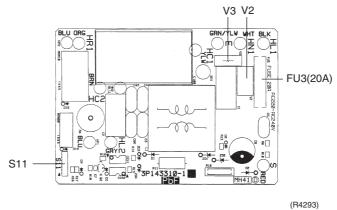


1.2 Outdoor Unit

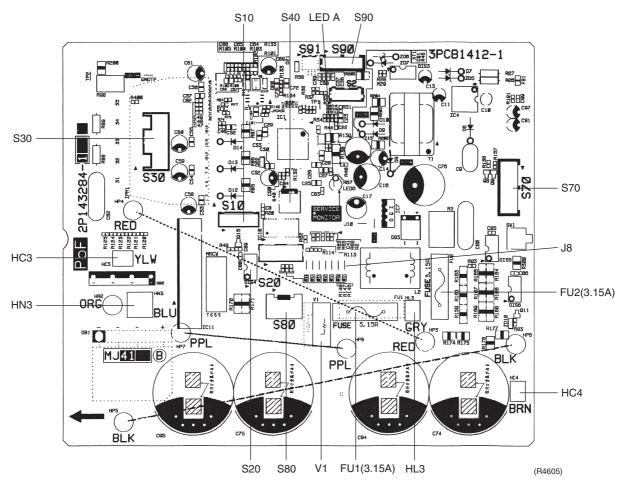
Connectors

	1) S10	Connector for filter PCB
	2) S11	Connector for control PCB
	3) S20	Connector for electronic expansion valve coil
	4) S30	Connector for compressor motor
	5) S40	Connector for overload protector
	6) S70	Connector for fan motor
	7) S80	Connector for four way valve coil
	8) S90	Connector for thermistors
		(outdoor air, heat exchanger, discharge pipe)
	9) HC3, HC4, HL3, HN3	Connector for filter PCB
Note:	Other designations	
	1) FU1, FU2	Fuse (3.15A)
	2) FU3	Fuse (20A)
	3) LED A	Service monitor LED
	4) V1, V2, V3	Varistor
	,	Facility setting jumper *Refer to page 75 for detail.









Part 4 Function and Control

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(R2812)

1. Main Functions

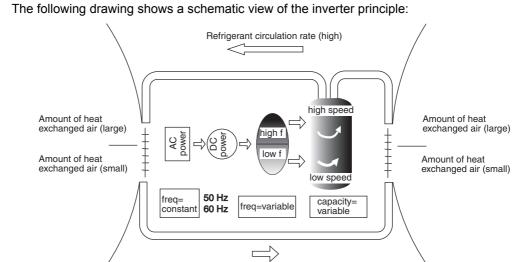


e: See the list of functions for the functions applicable to different models.

1.1 Frequency Principle

Main Control Parameters	 The compressor is frequency-controlled during normal operation. The target frequency is set by the following 2 parameters coming from the operating indoor unit: The load condition of the operating indoor unit The difference between the room temperature and the set temperature 			
Additional	The targe	et frequency is adapted by additional parameters in the following cases:		
Control	•	ency restrictions		
Parameters	Initial	settings		
	Force	d cooling operation		
Inverter Principle	•			
	Phase	on speed of the compressor. The following table explains the conversion principle: Description		

Drawing of Inverter

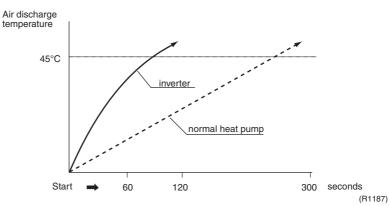


Refrigerant circulation rate (low)

Inverter Features

The inverter provides the following features:

- The regulating capacity can be changed according to the changes in the outdoor air temperature and cooling / heating load.
- Quick heating and quick cooling The compressor rotational speed is increased when starting the heating (or cooling). This enables a quick set temperature.



- Even during extreme cold weather, the high capacity is achieved. It is maintained even when the outdoor air temperature is 2°C.
- Comfortable air conditioning A detailed adjustment is integrated to ensure a fixed room temperature. It is possible to air condition with a small room temperature variation.
- Energy saving heating and cooling Once the set temperature is reached, the energy saving operation enables to maintain the room temperature at low power.

Frequency Limits	The following table shows the functions that define the minimum and maximum frequency:Frequency limitsLimited during the activation of following functions		
	Low	Four way valve operation compensation. Refer to page 64.	
	High	 Input current control. Refer to page 66. Compressor protection function. Refer to page 65. Heating peak-cut control. Refer to page 67. Freeze-up protection control. Refer to page 67. Defrost control. Refer to page 69. 	

Forced Cooling Operation

For more information, refer to "Forced operation mode" on page 74.

Function and Control

1.2 Air Flow Direction Control

Power-AirflowThe large flaps send a large volume of air downwards to the floor. The flap provides an optimumDual Flapscontrol area in cooling, heating and dry mode.

Heating Mode

During heating mode, the large flap enables direct warm air straight downwards. The flap presses the warm air above the floor to reach the entire room.

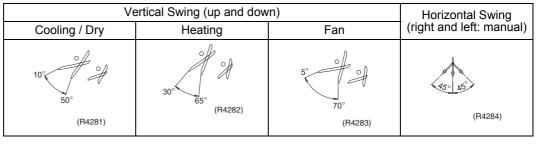
Cooling Mode

During cooling mode, the flap retracts into the indoor unit. Then, cool air can be blown far and pervaded all over the room.

Wide-Angle Louvres The louvres, 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 heating, cooling, dry and fan :



COMFORT AIRFLOW Mode

The vertical swing flap is controlled not to blow the air directly on the person in the room.

- The airflow rate is controlled automatically within the following steps. Cooling: L tap – MH tap (same as AUTOMATIC) Heating: ML tap – M tap
- The latest command has the priority between POWERFUL and COMFORT AIRFLOW.

Heating	Cooling
of of	5° 0 0
70° (R4303)	(R4302)

Fan Speed Control for Indoor Units 1.3

Control Mode

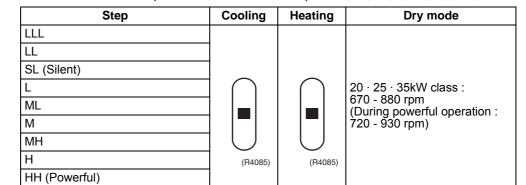
The airflow rate can be automatically controlled depending on the difference between the set temperature and the room temperature. This is done through phase control and Hall IC control.



For more information about Hall IC, refer to trouble shooting for fan motor on page 115.

Phase Steps

Phase control and fan speed control contains 9 steps: LLL, LL, SL, L, ML, M, MH, H and HH.



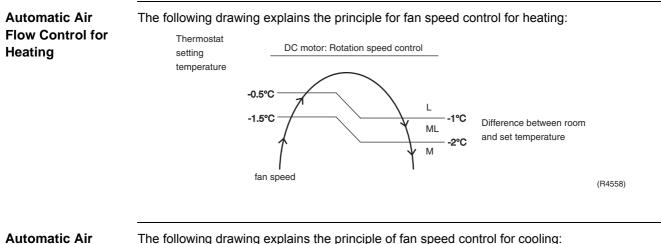
= Within this range the airflow rate is automatically controlled when the FAN setting button is set to automatic.

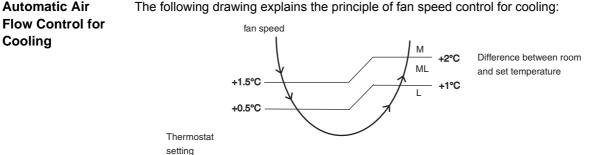


- 1. During powerful operation, fan rotates at H tap + 50 rpm.
- 2. Fan stops during defrost operation.

temperature

3. In time of thermostat OFF, the fan rotates at the following speed. Cooling: The fan keeps rotating at the set tap. Heating: The fan stops.





DC motor: Rotation speed control

Cooling

(R4559)

1.4 Programme Dry Function

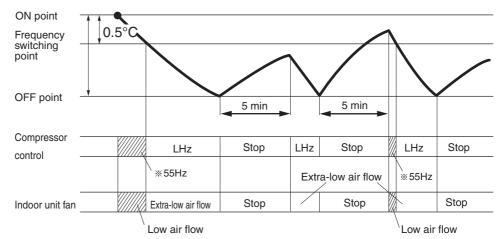
Programme dry function removes humidity while preventing the room temperature from lowering.

Since the microcomputer controls both the temperature and air flow volume, the temperature adjustment and fan adjustment buttons are inoperable in this mode.

In Case of Inverter Units

The microcomputer automatically sets the temperature and fan settings. The difference between the room temperature at startup and the temperature set by the microcomputer is divided into two zones. Then, the unit operates in the dry mode with an appropriate capacity for each zone to maintain the temperature and humidity at a comfortable level.

Room temperature at startupTemperature (ON point) at which operation starts		Frequency switching point	Temperature difference for operation stop
24şC	Room temperature at startup	0.5şC	1.5şC
18şC	18şC		1.0şC
17şC		—	



LHz indicates low frequency. Item marked with varies depending on models.

(R1359)

1.5 Automatic Operation

Automatic Cooling / Heating Function (Heat Pump Only)

When the AUTO mode is selected with the remote controller, the microcomputer automatically determines the operation mode from cooling and heating according to the room temperature and setting temperature at the time of the operation startup, and automatically operates in that mode.

The unit automatically switches the operation mode to cooling or heating to maintain the room temperature at the main unit setting temperature.

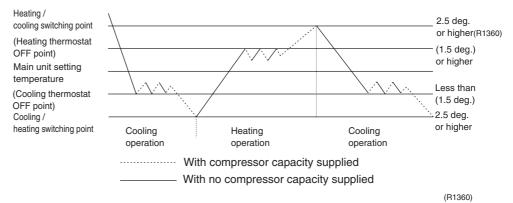
Detailed Explanation of the Function

- Remote controller setting temperature is set as automatic cooling / heating setting temperature (18 to 30°C).
- 2. Main unit setting temperature equals remote controller setting temperature plus correction value (correction value / cooling: 0 deg, heating: 2 deg.).
- 3. Operation ON / OFF point and mode switching point are as follows.
 - (1) Heating \rightarrow Cooling switching point:
 - Room temperature \geq Main unit setting temperature +2.5 deg.
 - (2) Cooling \rightarrow Heating switching point:
 - Room temperature < Main unit setting temperature -2.5 deg.

③ Thermostat ON / OFF point is the same as the ON / OFF point of cooling or heating operation.

4. During initial operation

Room temperature \geq Remote controller setting temperature: Cooling operation Room temperature < Remote controller setting temperature: Heating operation



1.6 Thermostat Control

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

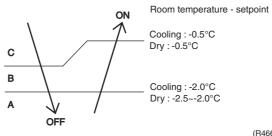
Thermostat OFF Condition

• The temperature difference is in the zone A.

Thermostat ON Condition

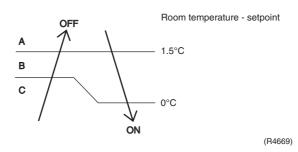
- The temperature difference is above the zone C after being in the zone A.
- The system resumes from defrost control in any zones except A.
- The operation turns on in any zones except A.
- The monitoring time has passed while the temperature difference is in the zone B. (Cooling / Dry : 10 minutes,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

Cooling / Dry



(R4668)

Heating

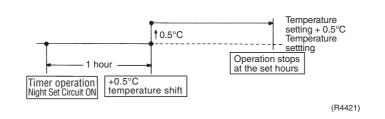


1.7 NIGHT SET Mode

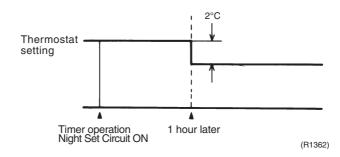
When the OFF timer is set, the NIGHT SET circuit automatically activates. The NIGHT SET circuit maintains the airflow setting made by users.

The NIGHT SETThe NIGHT SET circuit continues heating or cooling the room at the set temperature for the firstCircuitone hour, then automatically raises the temperature setting slightly in the case of cooling, or
lowers it slightly in the case of heating, for economical operations. This prevents excessive
heating in winter and excessive cooling in summer to ensure comfortable sleeping conditions,
and also conserves electricity.

Cooling Operation



Heating Operation



1.8 ECONO Mode

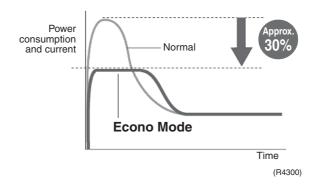
Outline

The "ECONO mode" reduces the maximum operating current and power consumption by approx. 30% during start up etc..

This mode 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.

- When this function is ON, the maximum capacity is also down. (Approx. 20%)
- This function can only be set when the unit is running. Pressing the operation stop button causes the settings to be cancelled.
- This function and POWERFUL operation cannot be used at the same time. The latest command has the priority.



Details

- ECONO mode can be activated while the unit is running. The remote controller can send the ECONO command when the unit is in COOL, HEAT, DRY, or AUTO operation.
- When the ECONO command is valid, the input current is under reducing control. (Refer to "Input current control" on page 66.)
 Also, the upper limit of frequency is restricted.

Upper limit of frequency

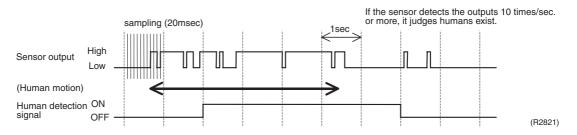
R-410A	Cooling		Heating	
model	Normal	ECONO	Normal	ECONO
2.0kW	54	42	90	58
2.5kW	68	56	98	76
3.5kW	92	84	98	84
		•		(unit : Hz)

1.9 INTELLIGENT EYE

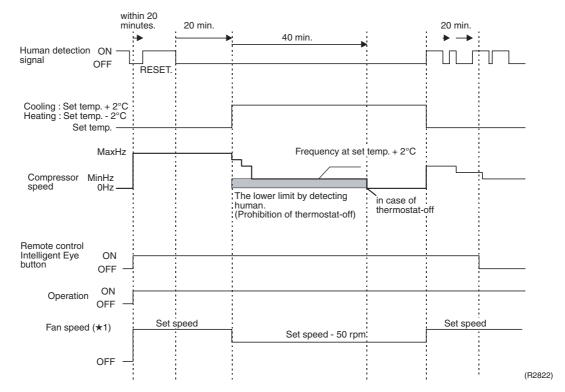
This is the function that detects existence of humans in the room by a human motion sensor (INTELLIGENT EYE) and reduces the capacity when there is no human in the room in order to save electricity.

Processing

1. Detection method by INTELLIGENT EYE



- This sensor detects human motion by receiving infrared rays and displays the pulse wave output.
- A microcomputer in an indoor unit carries out a sampling every 20 msec. and if it detects 10 cycles of the wave in one second in total (corresponding to 20msec.× 10 = 100msec.), it judges human is in the room as the motion signal is ON.



2. The motions (for example: in cooling)

- When a microcomputer doesn't have a signal from the sensor in 20 minutes, it judges that nobody is in the room and operates the unit in temperature sifted 2°C from the set temperature. (COOL : 2°C higher, DRY: 1°C higher, AUTO : according to the operation mode at that time.)
- \star 1 In case of FAN mode, the fan speed reduces by 50 rpm.

Since the set temperature is shifted by 2°C higher for 40 minutes, compressor speed becomes low and can realize energy saving operation. But as thermostat is prone to be off by the fact that the set temperature has been shifted, the thermostat-off action is prohibited in 40 minutes so as to prevent this phenomena.

After this 40 minutes, the prohibition of the thermostat-off is cancelled and it can realize the conditions to conduct thermostat-off depending on the room temperature. In or after this forty minutes, if the sensor detects human motion detection signal, it let the set temperature and the fan speed return to the original set point, keeping a normal operation.

Others

The dry operation can't command the setting temperature with a remote controller, but internally the set temperature is shifted by 1°C.

1.10 Inverter POWERFUL Operation

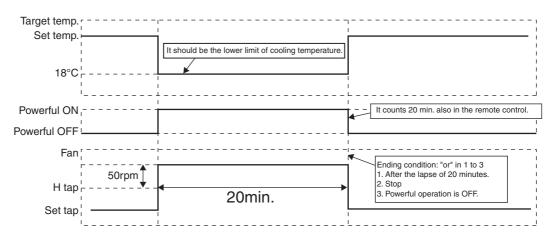
Outline

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.

Details of the Control When POWERFUL button is pushed in each operation mode, the fan speed / setting temperature will be converted to the following states in a period of twenty minutes.

Operation mode	Fan speed	Target set temperature
COOL	H tap + 50 rpm	18°C
DRY	Dry rotating speed + 50 rpm	Normally targeted temperature in dry operation; Approx. –2°C
HEAT	H tap + 50 rpm	30°C
FAN	H tap + 50 rpm	—
AUTO	Same as cooling / heating in Powerful operation	The target is kept unchanged

Ex.) : Powerful operation in cooling mode.



(R4606)

1.11 Other Functions

1.11.1 Hot Start Function

Heat Pump Only

In order to prevent the cold air blast that normally comes when heating is started, the temperature of the heat exchanger of the indoor unit is detected, and either the air flow is stopped or is made very weak thereby carrying out comfortable heating of the room. *The cold air blast is also prevented using a similar control when the defrosting operation is started or when the thermostat gets turned ON.

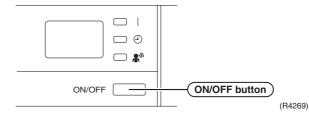
1.11.2 Signal Receiving Sign

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

1.11.3 ON/OFF Button on Indoor Unit

An ON/OFF button is provided on the front panel of the unit. Use this button when the remote controller is missing or if its battery has run out.

Every press of the button switches from ON to OFF or from OFF to ON.



- Push this button once to start operation. Push once again to stop it.
- This button is useful when the remote controller is missing.
- The operation mode refers to the following table.

	Mode	Temperature setting	Air flow rate	
Cooling Only	COOL	22şC	AUTO	
Heat Pump	AUTO	25şC	AUTO	

In the case of multi system operation, there are times when the unit does not activate with this button.

1.11.4 Titanium Apatite Photocatalytic Air-Purifying Filter

This filter combines the Air Purifying Filter and Titanium Apatite Photocatalytic Deodorizing Filter in a single highly effective unit. The filter traps microscopic particles, decompose odours and even deactivates bacteria and viruses. It lasts for three years without replacement if washed about once every six months.

1.11.5 Mold Proof Air Filter

The air filter net is impregnated with a safe, odourless mould preventative to make the filter virtually immune to mould.

1.11.6 Self-Diagnosis Digital Display

The microcomputer continuously monitors main operating conditions of the indoor unit, outdoor unit and the entire system. When an abnormality occur, the LCD remote controller displays error code. These indications allow prompt maintenance operations.

1.11.7 Auto-restart Function

Even if a power failure (including one for just a moment) occurs during the operation, the operation restarts in the condition before power failure automatically when power is restored. (Note) It takes 3 minutes to restart the operation because the 3-minutes standby function is activated.

2. Function of Thermistor

2.1 Heat Pump Model

	Four way valve B Compressor (R3305)
A Outdoor Heat Exchanger Thermistor (DCB)	 The outdoor heat exchanger thermistor is used for controlling target discharge temperature. The system sets a target discharge temperature according to the outdoor and indoor heat exchanger temperature, and controls the electronic expansion valve opening so that the target discharge temperature can be obtained. The outdoor heat exchanger thermistor is used for detecting disconnection of the discharge thermistor when cooling. When the discharge pipe temperature becomes lower than the outdoor heat exchanger temperature, the discharge pipe thermistor is judged as disconnected. The outdoor heat exchanger thermistor is used for high pressure protection during cooling operation.
B Discharge Pipe Thermistor (DOT)	 The discharge pipe thermistor is used for controlling temperature of the discharge pipe. If the temperature of discharge pipe (used in place of the inner temperature of the compressor) rises abnormally, the operating frequency drops or the operation halts. The discharge pipe thermistor is used for detecting disconnection of the discharge thermistor.
C Indoor Heat Exchanger Thermistor (DCN)	 The indoor heat exchanger thermistor is used for controlling target discharge temperature. The system sets a target discharge temperature according to the outdoor and indoor heat exchanger temperature, and controls the electronic expansion valve opening so that the target discharge temperature can be obtained. The indoor heat exchanger thermistor is used for preventing freezing. During the cooling operation, if the temperature drops abnormally, the operating frequency becomes lower, then the operation halts. The indoor heat exchanger thermistor is used for anti-icing control. During the cooling operation, if the heat exchanger temperature in the room where operation is halted becomes -1°C, it is assumed as icing. During heating, the indoor heat exchanger thermistor is used for detecting disconnection of the discharge pipe thermistor. When the discharge pipe temperature becomes lower than the indoor heat exchanger temperature, the discharge pipe thermistor is judged as disconnected.

2.2 Cooling Only Model

	A Compressor (R2828)
A Outdoor Heat Exchanger Thermistor (DCB)	 The outdoor heat exchanger thermistor is used for controlling target discharge temperature. The system sets a target discharge temperature according to the outdoor and indoor heat exchanger temperature, and controls the electronic expansion valve opening so that the target discharge temperature can be obtained. The outdoor heat exchanger thermistor is used for detecting disconnection of the discharge thermistor when cooling. When the discharge pipe temperature becomes lower than the outdoor heat exchanger temperature, the discharge pipe thermistor is judged as disconnected. The outdoor heat exchanger thermistor is used for high pressure protection during cooling operation.
B Discharge Pipe Thermistor (DOT)	 The discharge pipe thermistor is used for controlling temperature of the discharge pipe. If the temperature of discharge pipe (used in place of the inner temperature of the compressor) rises abnormally, the operating frequency drops or the operation halts. The discharge pipe thermistor is used for detecting disconnection of the discharge thermistor.
C Indoor Heat Exchanger Thermistor (DCN)	 The indoor heat exchanger thermistor is used for controlling target discharge temperature. The system sets a target discharge temperature according to the outdoor and indoor heat exchanger temperature, and controls the electronic expansion valve opening so that the target discharge temperature can be obtained. The indoor heat exchanger thermistor is used for preventing freezing. During the cooling operation, if the temperature drops abnormally, the operating frequency becomes lower, then the operation halts. The indoor heat exchanger thermistor is used for anti-icing control. During the cooling operation, if the heat exchanger temperature in the room where operation is halted becomes -1°C, it is assumed as icing.

3. Control Specification3.1 Mode Hierarchy

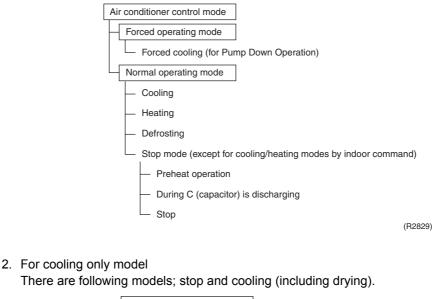
Outline

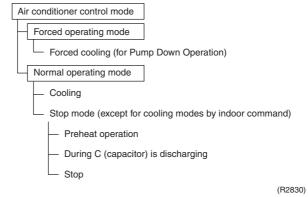
There are two modes; the mode selected in user's place (normal air conditioning mode) and forced operation mode for installation and providing service.

Detail

1. For heat pump model

There are following modes; stop, cooling (includes drying), heating (include defrosting)







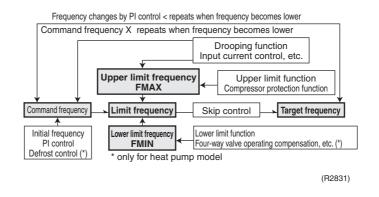
Unless specified otherwise, an indoor dry operation command must be regarded as cooling operation.

3.2 Frequency Control

Outline

Frequency will be determined according to the difference between room and set temperature. The function is explained as follows.

- 1. How to determine frequency.
- 2. Frequency command from an indoor unit. (The difference between a room temperature and the temperature set by the remote controller.)
- 3. Frequency command from an indoor unit.
- 4. Frequency initial setting.
- 5. PI control.



Detail

How to Determine Frequency

The compressor's frequency will finally be determined by taking the following steps.

For Heat Pump Model

1. Determine command frequency

- Command frequency will be determined in the following order of priority.
- 1.1 Limiting frequency by drooping function
- Input current, discharge pipes, peak cutting, freeze-up protection, dew prevention, fin thermistor temperature.
- 1.2 Limiting defrost control time
- 1.3 Forced cooling
- 1.4 Indoor frequency command

2. Determine upper limit frequency

• Set a minimum value as an upper limit frequency among the frequency upper limits of the following functions:

Compressor protection, input current, discharge pipes, peak cutting, freeze-up protection, defrost.

3. Determine lower limit frequency

 Set a maximum value as an lower limit frequency among the frequency lower limits of the following functions:

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

4. Determine prohibited frequency

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

For Cooling Only Model

1. Determine command frequency

• Command frequency will be determined in the following order of priority.

1.1 Limiting frequency by drooping function

Input current, discharge pipes, freeze-up protection, dew prevention, fin thermistor temperature. 1.2 Indoor frequency command

2. Determine upper limit frequency

 Set a minimum value as an upper limit frequency among the frequency upper limits of the following functions:

Compressor protection, input current, discharge pipes, freeze-up protection, dew prevention, fin thermistor temperature.

3. Determine lower limit frequency

• Set a maximum value as an lower limit frequency among the frequency lower limits of the following functions:

Pressure difference upkeep.

- 4. Determine prohibited frequency
- There is a certain prohibited frequency such as a power supply frequency.

Indoor Frequency Command (AD signal)

The difference between a room temperature and the temperature set by the remote controller will be taken as the " ΔD signal" and is used for frequency command.

nperature ifference	∆D signal	Temperature difference	∆D signal	Temperature difference	∆D signal	Temperature difference	∆D signal
0	*Th OFF	2.0	4	4.0	8	6.0	С
0.5	1	2.5	5	4.5	9	6.5	D
1.0	2	3.0	6	5.0	Α	7.0	Е
1.5	3	3.5	7	5.5	В	7.5	F

*Th OFF = Thermostat OFF

Frequency Initial Setting

<Outline>

When starting the compressor, or when conditions are varied due to the change of the room, the frequency must be initialized according to the ΔD value of the indoor unit and the Q value of the indoor unit.

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

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

1. P control

Calculate ΔD value in each sampling time (20 seconds), and adjust the frequency according to its difference from the frequency previously calculated.

2. I control

If the operating frequency is not change more than a certain fixed time, adjust the frequency up and down according to the ΔD value, obtaining the fixed ΔD value. When the ΔD value is small...lower the frequency.

When the ΔD value is large...increase the frequency.

3. Frequency management when other controls are functioning

- When frequency is drooping;
 Frequency management is carried out only when the frequency droops.
- 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 depending on indoor unit. When low noise commands come from the indoor unit or when outdoor unit low noise or quiet commands come from indoor unit, the upper limit frequency must be lowered than the usual setting.

3.3 Controls at Mode Changing / Start-up

3.3.1 Preheating Operation

Οι	ı+I	lir	5
υ	ıι		ie

Operate the inverter in the open phase operation with the conditions including the preheating command from the discharge pipe temperature.

Detail

Preheating ON Condition

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

OFF Condition

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

3.3.2 Four Way Valve Switching

Outline of Heating Operation	Heat Pump Only During the heating operation current must be conducted and during cooling and defrosting current must not be 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 delay switch of the four way valve must be carried out after the operation stopped.	
Detail	The OFF delay of four way valve Energize the coil for 160 sec after unit operation is stopped.	

3.3.3 Four Way Valve Operation Compensation

Outline

Detail

Heat Pump Only

At the beginning of the operation as the four way valve is switched, acquire the differential pressure required for activating the four way valve by having output the operating frequency, which is more than a certain fixed frequency, for a certain fixed time.

Starting Conditions

- 1. When starting compressor for heating.
- 2. When the operating mode changes to cooling from heating.
- 3. When starting compressor for rushing defrosting or resetting.
- 4. When starting compressor for the first time after the reset with the power is ON.
- 5. When starting compressor for heating next to the suspension of defrosting.
- 6. When starting compressor next to the fault of switching over cooling / heating.

Set the lower limit frequency (cooling : 68Hz, heating : 66Hz) for 45 seconds with any conditions 1 through 4 above.

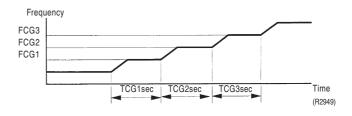
3.3.4 3-minutes Standby

Prohibit to turn ON the compressor for 3 minutes after turning it off. (Except when defrosting. (Only for Heat Pump Model).)

3.3.5 Compressor Protection Function

When turning the compressor from OFF to ON, the upper limit of frequency must be set as follows. (The function must not be used when defrosting (only for heat pump model).)

FCG 3	88
FCG 2	64
FCG 1	48
TCG 1	240
TCG 2	360
TCG 3	180



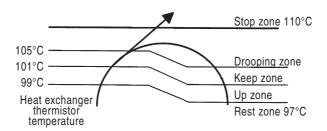
3.4 Discharge Pipe Control

Outline

The discharge pipe temperature is used as the compressor's internal temperature. If the discharge pipe temperature rises above a certain level, the operating frequency upper limit is set to keep this temperature from going up further.

Detail

Divide the Zone



(R4270)

Management within the Zones

Zone	Control contents	
Stop zone	When the temperature reaches the stop zone, stop the compressor a correct abnormality.	
Drooping zone	Start the timer, and the frequency will be drooping.	
Keep zone	Keep the upper limit of frequency.	
Return / Reset zone	Cancel the upper limit of frequency.	

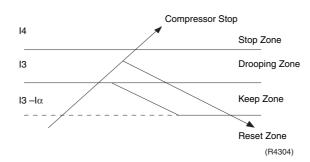
3.5 Input Current Control

Outline

The microcomputer calculates the input current during the compressor is running, and set the frequency upper limit from such input current.

In case of heat pump model, this control is the upper limit control function of the frequency which takes priority of the lower limit of four way valve activating compensation.

Detail



Frequency control in each zone Drooping zone

- The maximum limit of the compressor frequency in this control is defined as operation frequency 2Hz.
- After this, the output frequency is pulled down by 2Hz every second until it reaches the steady zone.

Keep zone

• The present maximum frequency goes on.

Reset zone

• Limit of the frequency is cancelled.

Stop zone

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

		Cooling		Hea	ting
		20/25 class	35 class	20/25 class	35 class
14 (A)		1	2	1	2
I3 (A)	Normal mode	6.0	7.25	7.5	8.25
	ECONO mode	4.25	5.0	5.25	5.75
I3-Ια (A)	Normal mode	5.25	6.5	6.75	7.5
	ECONO mode	3.5	4.25	4.5	5.0

Limitation of current drooping and stop value according to the outdoor air temperature

- 1. In case the operation mode is cooling
- The current droops when outdoor air temperature becomes higher than a certain level (model by model).
- 2. In case the operation mode is heating (only for heat pump model)
- The current droops when outdoor air temperature becomes higher than a certain level (model by model).

3.6 Freeze-up Protection Control

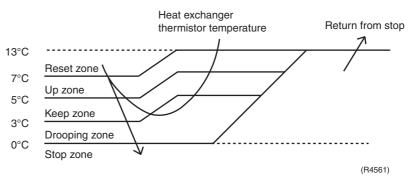
Outline During cooling operation, the signals being sent from the indoor unit allow the operating frequency limitation and then prevent freezing of the indoor heat exchanger. (The signal from the indoor unit must be divided into the zones as the followings.

Detail

Conditions for Start Controlling

Judge the controlling start with the indoor heat exchanger temperature after 2 sec from operation start.

Control in Each Zone



3.7 Heating Peak-cut Control

Outline

Heat Pump Only

During heating operation, the signals being sent from the indoor unit allow the operating frequency limitation and prevent abnormal high pressure. (The signal from the indoor unit must be divided as follows.)

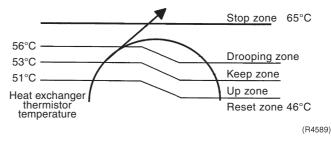
Detail

Conditions for Start Controlling

Judge the controlling start with the indoor heat exchanger temperature after 2 sec. from operation start.

Control in Each Zone

The heat exchange intermediate temperature of indoor unit controls the following.



3.8 Fan Control

Outline

Fan control is carried out with following functions.

- 1. Fan control when defrosting
- 2. Fan OFF delay when stopped
- 3. ON/OFF control when cooling operation
- 4. Fan control when forced operation
- 5. Fan control in low noise mode
- 6. Fan control during heating operation
- 7. Fan control in the quiet mode
- 8. Fan control in the powerful mode
- 9. Fan control for pressure difference upkeep

Detail

Fan OFF Control when Stopped

■ Fan OFF delay for 60 seconds must be made when the compressor is stopped.

3.9 Liquid Compression Protection Function 2

Outline

In order to obtain the dependability of the compressor, the compressor must be stopped according to the conditions of the temperature of the outdoor air and outdoor heat exchanger.

Detail

■ Operation stop depending on the outdoor air temperature Compressor operation turns OFF under the conditions that the system is in cooling operation and outdoor air temperature is below –10°C.

3.10 Defrost Control

Outline

Heat Pump Only

Defrosting is carried out by the cooling cycle (reverse cycle). The defrosting time or outdoor heat exchanger temperature must be more than its fixed value when finishing.

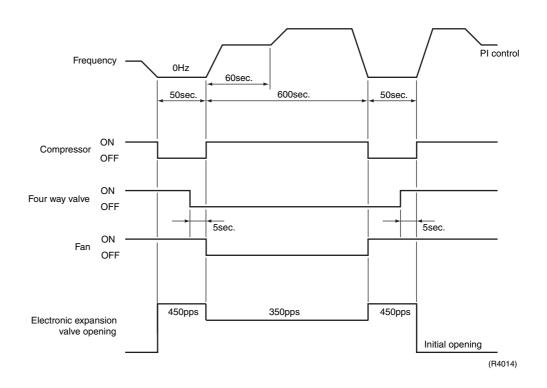
Detail

Conditions for Starting Defrost

The starting conditions must be made with the outdoor air temperature and heat exchanger temperature. Under the conditions that the system is in heating operation, 6 minutes after the compressor is started and more than 28 minutes of accumulated time pass since the start of the operation or ending the defrosting.

Conditions for Cancelling Defrost

The judgment must be made with heat exchanger temperature. (4°C-22°C)



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

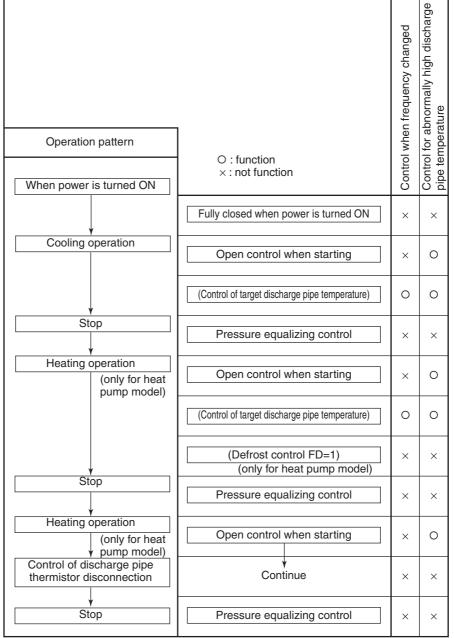
- 1. Electronic expansion valve control when starting operation
- 2. Control when frequency changed
- 3. Control for defrosting (only for heat pump model)
- 4. Control when a discharge pipe temperature is abnormally high
- 5. Control when the discharge pipe thermistor is disconnected

Feedback Control

1. Discharge pipe temperature control

Detail

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



(R2833)

3.11.1 Fully Closing with Power ON

Initialize the electronic expansion valve when turning on the power, set the opening position and develop pressure equalizing.

3.11.2 Pressure Equalization Control

When the compressor is stopped, open and close the electronic expansion valve and develop pressure equalization.

3.11.3 Opening Limit

Outline

Limit a maximum and minimum opening of the electronic expansion valve.

Detail

A maximum electronic expansion valve opening : 480 pulses
 A minimum electronic expansion valve opening : 52 pulses
 The electronic expansion valve is fully closed in the room where cooling is stopped and is opened with fixed opening during defrosting.

3.11.4 Starting Operation Control

Control the electronic expansion valve opening when the system is starting, and prevent the system to be super heated or moistened.

3.11.5 High Temperature of the Discharge Pipe

When the compressor is operating, if the discharge pipe temperature exceeds a certain value, open the electronic expansion value and remove the refrigerant to the low pressure side and lower discharge temperature.

3.11.6 Disconnection of the Discharge Pipe Thermistor

Outline

Detect a disconnected discharge pipe thermistor by comparing the discharge pipe temperature with the condensation temperature. If any is disconnected, open the electronic expansion valve according to the outdoor air temperature and the operating frequency and operate for a specified time, and then stop.

After 3 minutes of waiting, restart the unit and check if any is disconnected. If any is disconnected stop the system after operating for a specified time. If the disconnection is detected 4 times in succession, then the system will be down.

Detail

Detect Disconnection

If the timer for open control (cooling : 13min., heating : 15min.) becomes over, and the 9-minute timer for the compressor operation continuation is not counting time, the following adjustment must be made.

- When the operation mode is cooling When the discharge pipe temperature is lower than the outdoor heat exchanger temperature, the discharge pipe thermistor disconnection must be ascertained.
- When the operation mode is heating (only for heat pump model) When the discharge pipe temperature is lower than the max temperature of indoor unit heat exchanger, the discharge pipe thermistor disconnection must be ascertained.

Adjustment when the thermistor is disconnected

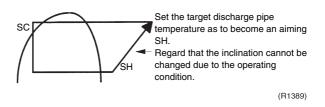
When compressor stop repeats specified time, the system should be down.

3.11.7 Control when frequency is changed

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

3.11.8 Target Discharge Pipe Temperature Control

Obtain the target discharge pipe temperature from the indoor and outdoor heat exchanger temperature, and adjust the electronic expansion valve opening so that the actual discharge pipe temperature become close to that temperature. (Indirect SH control using the discharge pipe temperature)



Determine a correction value of the electronic expansion valve compensation and drive it according to the deflection of the target discharge temperature and actual discharge temperature, and the discharge temperature variation by the 20 sec.

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. Fin thermistor
- 4. Outdoor air thermistor

3.12.2 Detection of Overload and Over Current

Outline

In order to protect the inverter, detect an excessive output current, and for protecting compressor, monitor the OL operation.

Detail

- If the OL (compressor head) temperature exceeds 120°C (depending on the model), the compressor gets interrupted.
- If the inverter current exceeds 22 A, the compressor gets interrupted too.

3.12.3 Insufficient Gas Control

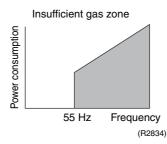
Outline

There are three ways of control to detect insufficient gas.

I Detecting by power consumption

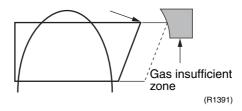
If the power consumption is below the specified value and the frequency is higher than the specified frequency, it is regarded as insufficient gas.

The power consumption is weak comparing with that in the normal operation when gas is insufficient, and gas insufficiency is detected by checking a power consumption.



II Detecting by discharge pipe temperature

If the discharge temperature is higher than the target discharge pipe temperature, and the electronic expansion valve is fully open (480 pulses) more than the specified time, it is regarded as insufficient gas.



III Detecting by the difference of temperature

If the difference between inhale and exhale temperature is smaller than the specified value, it is regarded as insufficient gas.

Detail

Г

I Judgment by power consumption

When an output frequency is exceeds 55 Hz and the input current is less than specified value, the adjustment is made for insufficient gas.

Il Judgment by discharge pipe temperature

When discharge pipe temperature is 30°C higher than target value and the electronic expansion value opening is 480 pulses (max.), the adjustment is made for insufficient gas.

III Judgment by the difference of temperature

When the difference of the temperature is smaller than A, it is regarded as insufficient gas.

		A
Cooling	room temperature – indoor heat exchanger temperature	4.0°C
Cooling	outdoor heat exchanger temperature – outdoor temperature	4.0°C
Heating	indoor heat exchanger temperature – room temperature	3.0°C
rieating	outdoor temperature – outdoor heat exchanger temperature	3.0°C

3.13 Forced Operation Mode

Outline

Forced operating mode includes only forced cooling.

Detail

Forced Cooling			
Item	Forced Cooling		
Forced operation allowing conditions	1) The outdoor unit is not abnormal and not in the 3-minute stand-by mode.		
	2) The operating mode of the outdoor unit is the stop mode.		
	 The forced operation is ON. The forced operation is allowed when the above "and" conditions are met. 		
Starting/adjustment	If the forced operation switch is pressed as the above conditions are met.		
1) Command frequency	68 Hz		
2) Electronic expansion valve opening	It depends on the capacity of the indoor unit.		
 Outdoor unit adjustment 	Compressor is in operation.		
4) Indoor unit adjustment	The command of forced operation is transmitted to the indoor unit.		
End	1) When the forced operation switch is pressed again.		
	2) The operation is to end automatically after 15 min.		
Others	The protect functions are prior to all others in the forced operation.		

3.14 Additional Function 3.14.1 POWERFUL Operation Mode

Compressor operating frequency is increased to PI Max. (Max. Hz of operating room) and outdoor unit airflow rate is increased.

3.14.2 Voltage Detection Function

Power supply voltage is detected each time equipment operation starts.

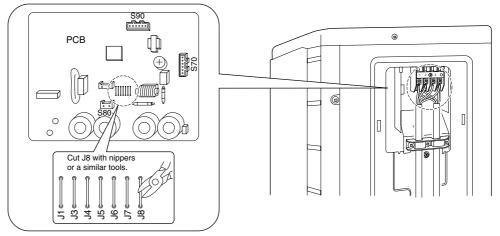
3.15 Facility Setting Jumper (cooling at low outdoor temperature)

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).

Detail

You can expand the operation range to -15° C by cutting jumper 8 (J8) on the PCB. If the outdoor temperature falls to -20° C or lower, the operation will stop. If the outdoor temperature rises, the operation will start again.





1. If the outdoor unit is installed where the 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.
- 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 jumping from the indoor unit outlet vent.

4. Cutting jumper 8 (J8) sets the indoor fan tap to the highest position. Notify the user about this.

Part 5 System Configuration

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1. System Configuration

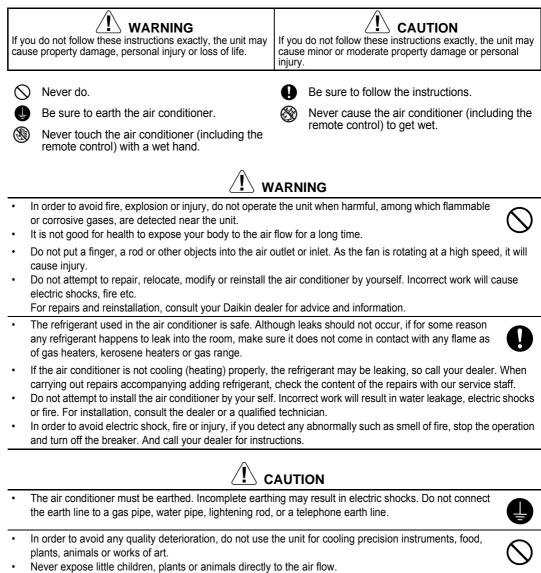
After the installation and test operation of the room air conditioner have been completed, it should be operated and handled as described below. Every user would like to know the correct method of operation of the room air conditioner, to check if it is capable of cooling (or heating) well, and to know a clever method of using it.

In order to meet this expectation of the users, giving sufficient explanations taking enough time can be said to reduce about 80% of the requests for servicing. However good the installation work is and however good the functions are, the customer may blame either the room air conditioner or its installation work because of improper handling. The installation work and handing over of the unit can only be considered to have been completed when its handling has been explained to the user without using technical terms but giving full knowledge of the equipment.

2. Instruction

2.1 Safety Precautions

- · Keep this manual where the operator can easily find them.
- Read this manual attentively before starting up the unit.
- For safety reason the operator must read the following cautions carefully.
- This manual classifies precautions into WARNINGS and CAUTIONS. Be sure to follow all
 precautions below: they are all important for ensuring safety.



- Do not place appliances which produce open fire in places exposed to the air flow from the unit or under the indoor unit. It may cause incomplete combustion or deformation of the unit due to the heat.
- Do not block air inlets nor outlets. Impaired air flow may result in insufficient performance or trouble.

- Do not stand or sit on the outdoor unit. Do not place any object on the unit to avoid injury, do not remove the fan guard.
- Do not place anything under the indoor or outdoor unit that must be kept away from moisture. In certain conditions, moisture in the air may condense and drip.
- After a long use, check the unit stand and fittings for damage.
- Do not touch the air inlet and aluminum fins of outdoor unit. It may cause injury.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children shuld be supervised to ensure that they do not play with the appliance.
- To avoid oxygen deficiency, ventilate the room sufficiently if equipment with burner is used together with the air conditioner.
- Before cleaning, be sure to stop the operation, turn the breaker off or pull out the supply cord.
- Do not connect the air conditioner to a power supply different from the one as specified. It may cause trouble or fire.
- Depending on the environment, an earth leakage breaker must be installed. Lack of an earth leakage breaker may result in electric shocks.
- Arrange the drain hose to ensure smooth drainage. Incomplete draining may cause wetting of the building, furniture etc.
- Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit.

Leaves are a hotbed for small animals which can enter the unit. Once in the unit, such animals can cause malfunctions, smoke or fire when making contact with electrical parts.

• Do not operate the air conditioner with wet hands.



- Do not wash the indoor unit with excessive water, only use a slightly wet cloth.
- Do not place things such as vessels containing water or anything else on top of the unit. Water may
 penetrate into the unit and degrade electrical insulations, resulting in an electric shock.

Installation site

- To install the air conditioner in the following types of environments, consult the dealer.
 - · Places with an oily ambient or where steam or soot occurs.
 - Salty environment such as coastal areas.
 - Places where sulfide gas occurs such as hot springs.
 - Places where snow may block the outdoor unit.

The drain from the outdoor unit must be discharged to a place of good drainage.

Consider nuisance to your neighbours from noises

- For installation, choose a place as described below.
 - A place solid enough to bear the weight of the unit which does not amplify the operation noise or vibration.
 - A place from where the air discharged from the outdoor unit or the operation noise will not annoy your neighbours.

Electrical work

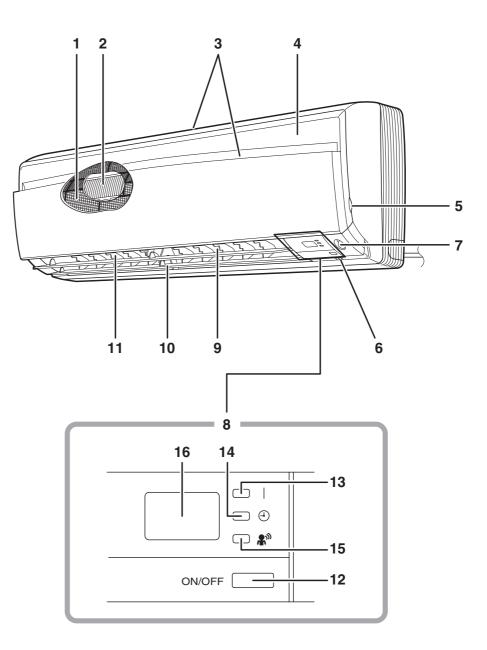
• For power supply, be sure to use a separate power circuit dedicated to the air conditioner.

System relocation

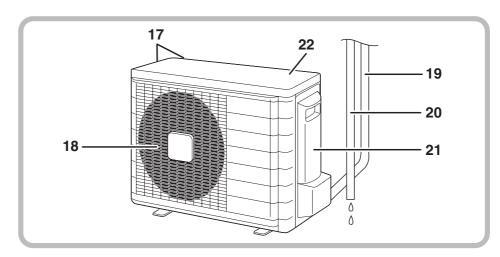
 Relocating the air conditioner requires specialized knowledge and skills. Please consult the dealer if relocation is necessary for moving or remodeling

2.2 Names of Parts

Indoor Unit



Oudoor Unit



Indoor Unit

- 1. Air filter
- 2. Titanium Apatite Photocatalytic Air purifying filter:
 - These filters are attached to the inside of the air filters.
- 3. Air inlet
- 4. Front panel
- 5. Panel tab
- 6. Room temperature sensor:
 - It senses the air temperature around the unit.
- 7. INTELLIGENT EYE sensor:
 - It detects the movements of people and automatically switches between normal operation and energy saving operation. (page 94)
- 8. Display
- 9. Air outlet
- 10. Flaps (horizontal blades): (page 89)
- 11. Louvers (vertical blades):
 - The louvres are inside of the air outlet. (page 89)

Outdoor Unit

- 17. Air inlet: (Back and side)
- 18. Air outlet
- 19. Refrigerant piping and inter-unit cable 20. Drain hose

12. Indoor Unit ON/OFF switch: (page 87)

- Push this switch once to start operation.Push once again to stop it.
- The operation mode refers to the following table.:

	Mode	Temperature setting	Air flow rate
F(C)TKS	COOL	22°C	AUTO
F(C)TXS	AUTO	25°C	AUTO

- This switch is useful when the remote control is missing.
- 13. Operation lamp (green)
- 14. TIMER lamp (yellow): (page 96)
- 15. INTELLIGENT EYE lamp (green): (page 94)

16. Signal receiver:

- It receives signals from the remote control.
- When the unit receives a signal, you will hear a short beep.
 - Operation startbeep-beep
 - Settings changed.....beep
 - Operation stopbeeeeep

21. Earth terminal:

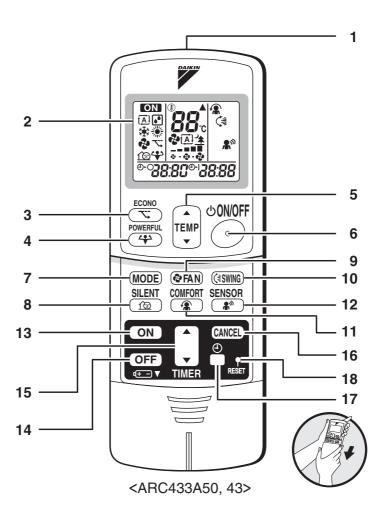
• It is inside of this cover.

22. Outside air temperature sensor:

 It senses the ambient temperature around the unit.

Appearance of the outdoor unit may differ from some models.

Remote control



1. Signal transmitter:

· It sends signals to the indoor unit.

2. Display:

- It displays the current settings. • (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)
- 3. ECONO button: ECONO operation (page 93)
- 4. POWERFUL button: POWERFUL operation (page 91)
- 5. TEMPERATURE adjustment buttons:
 - It changes the temperature setting.
- 6. ON/OFF button:
 - Press this button once to start operation. Press once again to stop it.
- 7. MODE selector button:
 - · It selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN) (page 87) 18. RESET button:

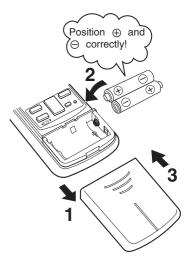
- 8. SILENT button: for OUTDOOR UNIT SILENT operation (page 92)
 - Only works for multi-connection •
- 9. FAN setting button:
 - It selects the air flow rate setting.
- 10. SWING button
 - Adjusting the Air Flow Direction. (page 89)
- 11. COMFORT AIRFLOW button: COMFORT AIRFLOW operation (page 89)
- 12. SENSOR button: INTELLIGENT EYE operation (page 94)
- 13. ON TIMER button (page 96)
- 14. OFF TIMER button (page 96)
- 15. TIMER Setting button:
 - It changes the time setting.
- 16. TIMER CANCEL button:
 - It cancels the timer setting.
- 17. CLOCK button: (page 84)

- Restart the unit if it freezes.
- Use a thin object to push.

2.3 **Preparation before Operation**

To set the batteries

- 1. Press with a finger and slide the front cover to take it off.
- 2. Set two dry batteries (AAA).
- 3. Set the front cover as before.

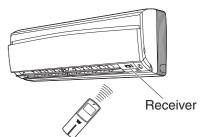


ATTENTION

- About batteries
 - When replacing the batteries, use batteries of the same type, and replace the two old batteries together.
 - When the system is not used for a long time, take the batteries out.
 - We recommend replacing once a year, although if the remote control display begins to fade or if reception deteriorates, please replace with new alkali batteries. Do not use manganese batteries.
 - The attached batteries are provided for the initial use of the system.
 The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

To operate the remote control

- To use the remote control, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote control, such as a curtain, the unit will not operate.
- Do not drop the remote control. Do not get it wet.
- The maximum distance for communication is about 7 m.



To fix the remote control holder on the wall

- 1. Choose a place from where the signals reach the unit.
- 2. Fix the holder to a wall, a pillar, or similar location with the screws procured locally.
- 3. Place the remote control in the remote control holder.



• To remove, pull it upwards.

ATTENTION

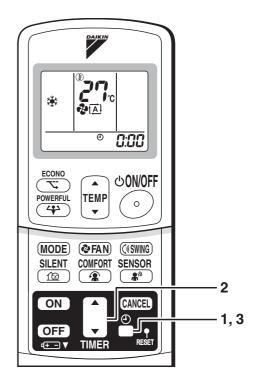
- About remote control
 - Never expose the remote control to direct sunlight.
 - Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
 - Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
 - If the remote control signals happen to operate another appliance, move that appliance to somewhere else, or consult the shop.

To set the clock

- 1. Press "CLOCK button".
 - 0:00 is displayed. blinks.
- 2. Press "TIMER setting button" to set the clock to the present time. Holding down " 🔺 " or " 🔻 " button rapidly
- increases or decreases the time display. 3. Press "CLOCK button". : blinks.

Turn the breaker ON

• Turning ON the breaker opens the flap, then closes it again. (This is a normal procedure.)



NOTE

Tips for saving energy

- Be careful not to cool (heat) the room too much. Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain. Blocking sunlight and air from outdoors increases the cooling (heating) effect.
 - Clogged air filters cause inefficient operation and waste

Recommended temperature setting For cooling: 26°C – 28°C For heating: 20°C – 24°C

energy. Clean them once in about every two weeks.

Please note

- The air conditioner always consumes 15-35 watts of electricity even while it is not operating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker OFF.
- Use the air conditioner in the following conditions.

Mode	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature:<2MK(X)S> 10 to 46 °C <3/4MK(X)S> -10 to 46 °C <rk(x)s> -10 to 46 °C Indoor temperature: 18 to 32 °C Indoor humidity: 80% max.</rk(x)s>	 A safety device may work to stop the operation. (In multi system, it may work to stop the operation of the outdoor unit only.) Condensation may occur on the indoor unit and drip.
HEAT	Outdoor temperature:<2MXS> -10 to 21 °C <3/4MXS> -15 to 21 °C <rxs> -15 to 21 °C Indoor temperature: 10 to 30 °C</rxs>	A safety device may work to stop the operation.
DRY	Outdoor temperature:<2MK(X)S> 10 to 46 °C <3/4MK(X)S> -10 to 46 °C <rk(x)s> -10 to 46 °C Indoor temperature: 18 to 32 °C Indoor humidity: 80% max.</rk(x)s>	 A safety device may work to stop the operation. Condensation may occur on the indoor unit and drip.

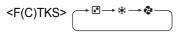
Operation outside this humidity or temperature range may cause a safety device to disable the system.

2.4 AUTO · DRY · COOL · HEAT · FAN Operation

The air conditioner operates with the operation mode of your choice. From the next time on, the air conditioner will operate with the same operation mode.

To start operation

- 1. Press "MODE selector button" and select a operation mode.
 - Each pressing of the button advances the mode setting in sequence.
 (A) : AUTO
 - 🗈 : DRY
 - * : COOL
 - 🔅 : HEAT
 - 🄹 : FAN



 $\langle \mathsf{F}(\mathsf{C})\mathsf{T}\mathsf{X}\mathsf{S}\rangle \xrightarrow{\quad (\mathbb{A}) \to (\mathbb{C})} \circledast \to \circledast \to \circledast \to \circledast \to$

- 2. Press "ON/OFF button" .
 - The OPERATION lamp lights up.



\mathbb{Z} * 2 [A] • *IS:30* 4 ECONO 心ON/OFF POWERFUL TEMP 0-2, 3 4 ▼ 1 @FAN)-(\$SWING) (MODE) SILENT COMFORT SENSOR 10 *****» 5 ON CANCEL OFF •<u>+</u> - • TIMEE

To stop operation

- 3. Press "ON/OFF button" again.
 - Then OPERATION lamp goes off.

■ To change the temperature setting

4. Press "TEMPERATURE adjustment button"

DRY or FAN mode	AUTO or COOL or HEAT mode
	Press " 🔺 " to raise the temperature and press
	" ▼ " to lower the temperature.
The temperature setting is not variable.	Set to the temperature you like.

To change the air flow rate setting

5. Press "FAN setting button".

DRY mode	AUTO or COOL or HEAT or FAN mode
The air flow rate setting is not variable.	Five levels of air flow rate setting from " 호 " to " ♣ " plus " ⊡ " " ≟ " are available.

Indoor unit quiet operation

When the air flow is set to " 2 ", the noise from the indoor unit will become quieter. Use this when making the noise quieter.

The unit might lose capacity when the air flow rate is set to a weak level.

NOTE

Note on HEAT operation

- Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner.
- The heat pump system heats the room by circulating hot air around all parts of the room. After the start of heating operation, it takes some time before the room gets warmer.
- In heating operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost.
- During defrosting operation, hot air does not flow out of indoor unit.
- Note on DRY operation
 - The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and fan strength, so manual adjustment of these functions is unavailable.
- Note on AUTO operation
 - In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room temperature at the start of the operation.
 - The system automatically reselects setting at a regular interval to bring the room temperature to usersetting level.
 - If you do not like AUTO operation, you can manually select the operation mode and setting you like.
- Note on air flow rate setting
 - At smaller air flow rates, the cooling (heating) effect is also smaller.

2.5 Adjusting the Air Flow Direction

You can adjust the air flow direction to increase your comfort.

■ To adjust the horizontal blades (flaps)

- 1. Press "SWING button".
 - is displayed on the LCD and the flaps will begin to swing.
- 2. When the flaps have reached the desired position, press "SWING button" once more.

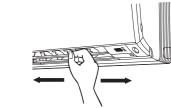
The display will go blank. The flaps will stop moving.

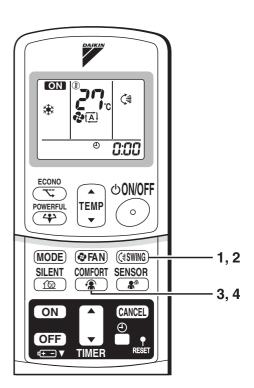
■ To adjust the vertical blades (louvres)

Hold the knob and move the louvres.

(You will find a knob on the left-side and the right-side blades.)

 When the unit is installed in the corner of a room, the direction of the louvers should be facing away from the wall. If they face the wall, the wall will block off the wind, causing the cooling (or heating) efficiency to drop.





89

To start COMFORT AIRFLOW operation

3. Press "COMFORT AIRFLOW button".

The flap position will change, preventing air from blowing directly on the occupants of the room.

" 🙊 " is displayed on the LCD.

<COOL/DRY> The flap will go up.

<HEAT> The flap will go down.

To cancel COMFORT AIRFLOW operation

4. Press "COMFORT AIRFLOW button" again.

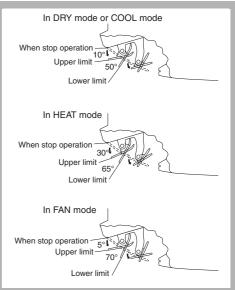
• The flaps will return to the memory position from before COMFORT AIRFLOW mode.

Notes on COMFORT AIRFLOW operation

• POWERFUL operation and COMFORT AIRFLOW operation cannot be used at the same time. Priority is given to POWERFUL operation.

Notes on flaps and louvres angles

- When "SWING button" is selected, the flaps swinging range depends on the operation mode. (See the figure.)
- ATTENTION
 - Always use a remote control to adjust the flaps angle. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
 - Be careful when adjusting the louvers. Inside the air outlet, a fan is rotating at a high speed.



2.6 **POWERFUL Operation**

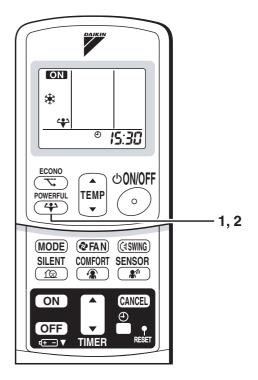
POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.

To start POWERFUL operation

- 1. Press "POWERFUL button".
 - POWERFUL operation ends in 20 minutes.
 Then the system automatically operates
 - again with the settings which were used before POWERFUL operation.
 - When using POWERFUL operation, there are some functions which are not available.
 - " 🚓 " is displayed on the LCD.

To cancel POWERFUL operation

- 2. Press "POWERFUL button" again.
 - " 🛟 " disappears from the LCD.



NOTE

Notes on POWERFUL operation

- POWERFUL Operation cannot be used together with ECONO, SILENT, or COMFORT Operation. After-press priority is given.
- POWERFUL Operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and the " 4 " disappears from the LCD.
- In COOL and HEAT mode
 To maximize the cooling (heating) effect, the capacity of outdoor unit must be increased and
 the air flow rate be fixed to the maximum setting.
 The temperature and air flow settings are not variable.

In DRY mode

- The temperature setting is lowered by 2.5°C and the air flow rate is slightly increased.
- In FAN mode The air flow rate is fixed to the maximum setting.

2.7 OUTDOOR UNIT SILENT Operation

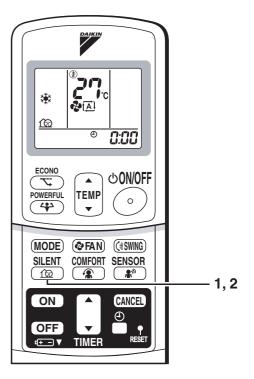
OUTDOOR UNIT SILENT operation lowers the noise level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during night.

■ To start OUTDOOR UNIT SILENT operation

- 1. Press "SILENT button".
 - " \mathfrak{m} " is displayed on the LCD.

■ To cancel OUTDOOR UNIT SILENT operation

- 2. Press "SILENT button" again.
 - " $\textcircled{\mbox{\sc math ∞}}$ " disappears from the LCD.



NOTE

- Note on OUTDOOR UNIT SILENT operation
 - This function is available in COOL, HEAT, and AUTO modes. (This is not available in FAN and DRY mode.)
 - POWERFUL operation and OUTDOOR UNIT SILENT operation cannot be used at the same time.
 - Priority is given to POWERFUL operation.

2.8 ECONO Operation

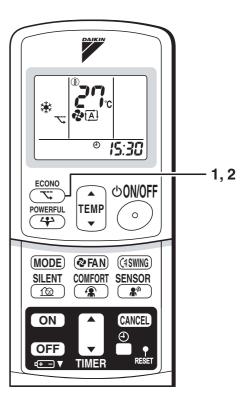
ECONO operation is a function which enables efficient operation by lowering the maximum power consumption value.

■ To start ECONO operation

- 1. Press "ECONO button".
 - " \checkmark " is displayed on the LCD.

To cancel ECONO operation

- 2. Press "ECONO button" again.
 - " 😴 " is disappears from the LCD.



NOTE

- ECONO Operation can only be set when the unit is running. Pressing the operation stop button causes the settings to be canceled, and the " 🔨 " disappears from the LCD.
- ECONO Operation is a function enables efficient operation by limiting the power consumption of the outdoor unit (operating frequency).
- ECONO Operation functions in AUTO, COOL, DRY, and HEAT modes. The fan strength does not change in ECONO Operation.
- POWERFUL Operation and ECONO Operation cannot be used at the same time. Priority is given to POWERFUL Operation.
- Power consumption may not drop even if ECONO Operation is used, when the level of power consumption is already low.

2.9 INTELLIGENT EYE Operation

"INTELLIGENT EYE" is the infrared sensor which detects the human movement.

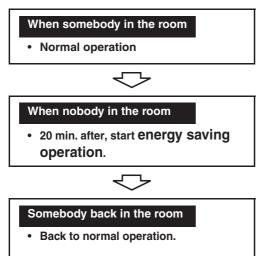
■ To start INTELLIGENT EYE operation

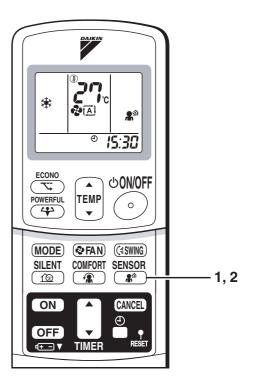
- 1. Press "SENSOR button".
 - " 🔊 " is displayed on the LCD.

To cancel the INTELLIGENT EYE operation

- 2. Press "SENSOR button" again.

{EX.}





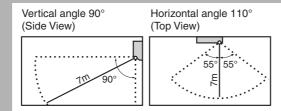
"INTELLIGENT EYE" is useful for Energy Saving

Energy saving operation

- Change the temperature –2°C in heating / +2°C in cooling / +1°C in dry mode from set temperature.
- Decrease the air flow rate slightly in fan operation. (In FAN mode only)

Notes on "INTELLIGENT EYE"

• Application range is as follows.



- Sensor may not detect moving objects further than 5m away. (Check the application range)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during powerful operation.
- Night set mode (page 96) will not go on during you use INTELLIGENT EYE operation.

- Do not place large objects near the sensor.
 Also keep heating units or humidifiers outside the sensor's detection area. This sensor can detect objects it shouldn't as well as not detect objects it should.
- Do not hit or violently push the INTELLIGENT EYE sensor. This can lead to damage and malfunction

2.10 TIMER Operation

Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use OFF TIMER and ON TIMER in combination.

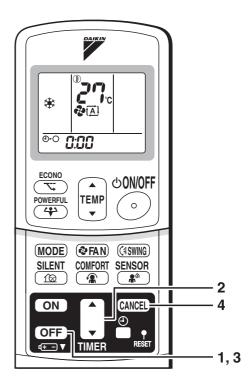
■ To use OFF TIMER operation

- Check that the clock is correct. If not, set the clock to the present time. (page 84)
- Press "OFF TIMER button".
 D:DD is displayed.
 ⊕ blinks.
- Press "TIMER Setting button" until the time setting reaches the point you like.
 - Every pressing of either button increases or decreases the time setting by 10 minutes. Holding down either button changes the setting rapidly.
- 3. Press "OFF TIMER button" again.
 - The TIMER lamp lights up.

|--|

To cancel the OFF TIMER operation

- 4. Press "CANCEL button".
 - The TIMER lamp goes off.



Notes

- When TIMER is set, the present time is not displayed.
- Once you set ON, OFF TIMER, the time setting is kept in the memory. (The memory is canceled when remote control batteries are replaced.)
- When operating the unit via the ON/OFF Timer, the actual length of operation may vary from the time entered by the user.
- NIGHT SET MODE When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in COOL, 2.0°C down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

To use ON TIMER operation

- Check that the clock is correct. If not, set the clock to the present time. (page 84)
- Press "ON TIMER button".
 5:00 is displayed.
 ⊕ ⊢ blinks.
- 2. Press "TIMER Setting button" until the time setting reaches the point you like.
 - Every pressing of either button increases or decreases the time setting by 10 minutes.
 Holding down either button changes the setting rapidly.
- 3. Press "ON TIMER button" again.
 - The TIMER lamp lights up.



- To cancel ON TIMER operation
 - 4. Press "CANCEL button".
 - The TIMER lamp goes off.

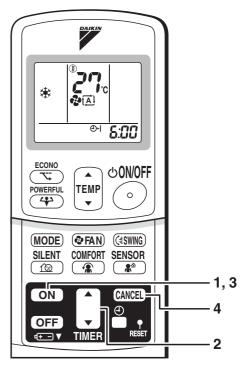
To combine ON TIMER and OFF TIMER

• A sample setting for combining the two timers is shown below.



ATTENTION

- In the following cases, set the timer again.
 - After a breaker has turned OFF.
 - After a power failure.
 - · After replacing batteries in the remote control.



2.11 Care and Cleaning

CAUTION Before cleaning, be sure to stop the operation and turn the breaker OFF.

Units

Indoor unit, Outdoor unit and Remote control

1. Wipe them with dry soft cloth.

Front panel

1. Open the front panel.

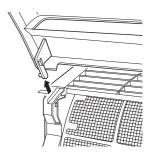
- Hold the panel by the tabs on the two sides and lift it until it stops with a click.
- 2. Remove the front panel.
 - Lift the front panel up, slide it slightly to the right, and remove it from the horizontal axle.
- 3. Clean the front panel.
 - Wipe it with a soft cloth soaked in water.
 - Only neutral detergent may be used.
 - In case of washing the panel with water, dry it with cloth, dry it up in the shade after washing.

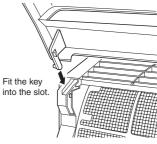
4. Attach the front panel.

- Set the 3 keys of the front grille into the slots and push them in all the way.
- Close the front panel slowly and push the panel at the 3 points.

(1 on each sides and 1 in the middle.)







- Don't touch the metal parts of the indoor unit. If you touch those parts, this may cause an injury.
- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40 °C, benzine, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front panel is securely fixed.

Filters

- 1. Open the front panel. (page 98)
- 2. Pull out the air filters.
 - Push a little upwards the tab at the center of each air filter, then pull it down.
- 3. Take off the air Titanium Apatite Photocatalytic Air-Purifying Filter.
 - Hold the recessed parts of the frame and unhook the four claws.
- 4. Clean or replace each filter. See below.

5. Set the air filter and Titanium Apatite Photocatalytic Air-Purifying Filter as they were and close the front panel.

 Insert claws of the filters into slots of the front panel.

Close the front panel slowly and push the panel at the 3 points. (1 on each sides and 1 in the middle.)

Air Filter

1. Wash the air filters with water or clean them with vacuum cleaner.

- If the dust does not come off easily, wash them with neutral detergent thinned with lukewarm water, then dry them up in the shade.
- It is recommended to clean the air filters every two weeks.

Titanium Apatite Photocatalytic Air-Purifying Filter

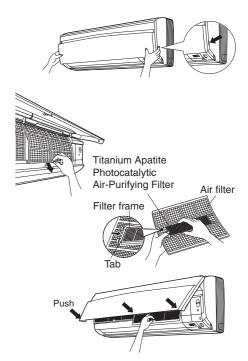
The Titanium Apatite Photocatalytic Air-Purifying Filter can be renewed by washing it with water once every 6 months. We recommend replacing it once every 3 years.

[Maintenance]

- 1. Remove dust with a vacuum cleaner and wash lightly with water.
- 2. If it is very dirty, soak it for 10 to 15 minutes in water mixed with a neutral cleaning agent.
- 3. Do not remove filter from frame when washing with water.
- 4. After washing, shake off remaining water and dry in the shade.
- 5. Since the material is made out of paper, do not wring out the filter when removing water from it.

[Replacement]

- 1. Remove the tabs on the filter frame and replace with a new filter.
 - Dispose of the old filter as flammable waste.







NOTE

- Operation with dirty filters :

 (1) cannot deodorize the air.
 (2) cannot clean the air.

 (3) results in poor heating or cooling.
 (4) may cause odour.
- To order Titanium Apatite Photocatalytic Air-Purifying Filter contact to the service shop there you bought the air conditioner.
- Dispose of old filters as burnable waste..

Item	Part No.
Titanium Apatite Photocatalytic Air-Purifying Filter. (without frame) 1 set	KAF970A46

Check

Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded. Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.

Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.

• If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

Before a long idle period

- 1. Operate the "FAN only" for several hours on a fine day to dry out the inside.
 - Press "MODE selector button" and select "FAN" operation.
 - Press "ON/OFF" button and start operation.
- 2. Clean the air filters and set them again.
- 3. Take out batteries from the remote control.
- 4. Turn OFF the breaker for the room air conditioner.

2.12 Troubleshooting

These cases are not troubles.

The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Case	Explanation
 Operation does not start soon. When ON/OFF button was pressed soon after operation was stopped. When the mode was reselected. 	 This is to protect the air conditioner. You should wait for about 3 minutes.
Hot air does not flow out soon after the start of heating operation.	 The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)
The heating operation stops suddenly and a flowing sound is heard.	 The system is taking away the frost on the outdoor unit. You should wait for about 3 to 8 minutes.
The outdoor unit emits water or steam.	 In HEAT mode The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation. In COOL or DRY mode Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.
Mists come out of the indoor unit.	This happens when the air in the room is cooled into mist by the cold air flow during cooling operation.
The indoor unit gives out odour.	 This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the air flow. (If this happens, we recommend you to have the indoor unit washed by a technician. Consult the service shop where you bought the air conditioner.)
The outdoor fan rotates while the air conditioner is not in operation.	 After operation is stopped: The outdoor fan continues rotating for another 60 seconds for system protection. While the air conditioner is not in operation: When the outdoor temperature is very high, the out door fan starts rotating for system protection.
The operation stopped suddenly. (OPERATION lamp is on)	 For system protection, the air conditioner may stop operating on a sudden large voltage fluctuation. It automatically resumes operation in about 3 minutes.

Check again.

Please check again before calling a repair person.

Case	Check
The air conditioner does not	Hasn't a breaker turned OFF or a fuse blown?
operate.	 Isn't it a power failure?
(OPERATION lamp is off)	 Are batteries set in the remote control?
	Is the timer setting correct?
Cooling (Heating) effect is poor.	Are the air filters clean?
	Is there anything to block the air inlet or the outlet of the
	indoor and the outdoor units?
	 Is the temperature setting appropriate?
	 Are the windows and doors closed?
	Are the air flow rate and the air direction set
	appropriately?
	 Is the unit set to the INTELLIGENT EYE mode?
	(page 94)
Operation stops suddenly.	Are the air filters clean?
(OPERATION lamp flashes.)	• Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
	Clean the air filters or take all obstacles away and turn
	the breaker OFF. Then turn it ON again and try
	operating the air conditioner with the remote control. If
	the lamp still flashes, call the service shop where you
	bought the air conditioner.
An abnormal functioning happens	The air conditioner may malfunction with lightening or
during operation.	radio waves. Turn the breaker OFF, turn it ON again and
	try operating the air conditioner with the remote control.

Call the service shop immediately.

- When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker OFF. Continued operation in an abnormal condition may result in troubles, electric shocks or fire. Consult the service shop where you bought the air conditioner.
- Do not attempt to repair or modify the air conditioner by yourself. Incorrect work may result in electric shocks or fire. Consult the service shop where you bought the air conditioner.

If one of the following symptoms takes place, call the service shop immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The safety breaker, a fuse, or the earth leakage breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.



Turn the breaker OFF and call the service shop.

After a power failure	Lightening
The air conditioner automatically resumes	If lightening may strike the neighbouring area,
operation in about 3 minutes. You should just	stop operation and turn the breaker OFF for
wait for a while.	system protection.

Disposal requirements



Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste. Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other parts must be done by a

qualified installer in accordance with relevant local and national legislation.

Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote control and disposed of separately in accordance with relevant local and national legislation.

We recommend periodical maintenance

In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a specialist aside from regular cleaning by the user. For specialist maintenance, contact the service shop where you bought the air conditioner.

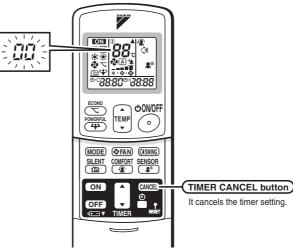
The maintenance cost must be born by the user.

Fault diagnosis

FAULT DIAGNOSIS BY REMOTE CONTROL

In the ARC433A series, the temperature display sections on the main unit indicate corresponding codes.

1. When the TIMER CANCEL button is held down for 5 seconds, a "00" indication flashes on the temperature display section.



2. Press the TIMER CANCEL button repeatedly until a continuous beep is produced.

• The code indication changes as shown below, and notifies with a long beep.

	CODE	MEANING
	00	NORMAL
	UA	INDOOR-OUTDOOR UNIT COMBINATION FAULT
SYSTEM	U0	REFRIGERANT SHORTAGE
Γ	U2	DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE
	U4	FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT)
	A1	INDOOR PCB DEFECTIVENESS
	A5	HIGH PRESSURE CONTROL OR FREEZE-UP PROTECTOR
INDOOR UNIT	A6	FAN MOTOR FAULT
INDOOR UNIT	C4	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	C7	FRONT PANEL OPEN/CLOSE FAULT
Γ	C9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	EA	COOLING-HEATING SWITCHING ERROR
	E1	CIRCUIT BOARD FAULT
Γ	E5	OL STARTED
	E6	FAULTY COMPRESSOR START UP
	E7	DC FAN MOTOR FAULT
	F3	HIGH TEMPERATURE DISCHARGE PIPE CONTROL
	F6	HIGH PRESSURE CONTROL (IN COOLING)
	H0	SENSOR FAULT
OUTDOOR UNIT	H6	OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR
	H8	CT ABNORMALITY
	H9	FAULTY SUCTION AIR TEMPERATURE SENSOR
	J3	FAULTY DISCHARGE PIPE TEMPERATURE SENSOR
Γ	J6	FAULTY HEAT EXCHANGER TEMPERATURE SENSOR
	L3	ELECTRICAL PARTS HEAT FAULT
Γ	L4	HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK
F	L5	OUTPUT OVERCURRENT
Ē	P4	FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR

NOTE

- 1. A short beep and two consecutive beeps indicate non-corresponding codes.
- 2. To cancel the code display, hold the TIMER CANCEL button down for 5 seconds. The code display also cancel itself if the button is not pressed for 1 minute.

3P142629-1C

Part 6 Service Diagnosis

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	4.16 Compressor System Sensor Abnormality	
	4.17 Position Sensor Abnormality	
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	4.19 Thermistor or Related Abnormality (Outdoor Unit)	
	4.20 Electrical Box Temperature Rise	
	4.21 Radiation Fin Temperature Rise	
	4.22 Output Over Current Detection	
	4.23 Insufficient Gas	
_	4.24 Over-voltage Detection	
5.	Check	
	5.1 How to Check	144

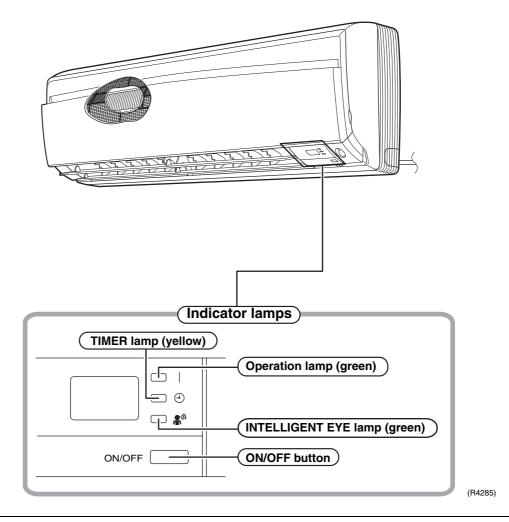
1. Caution for Diagnosis

The operation lamp flashes 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, disabling equipment operation.
- 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.

Location of Operation Lamp



Troubleshooting with LED Indication The outdoor unit has one green LED (LEDA) on the PCB. The flashing green LED indicates normal condition of microcomputer operation.

2. Problem Symptoms and Measures

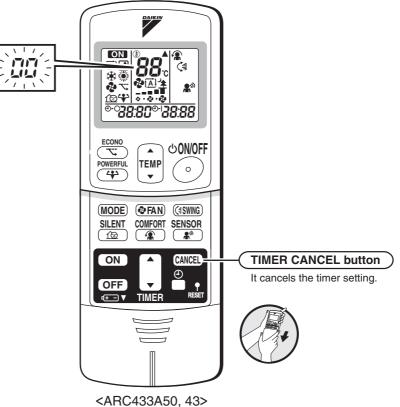
Symptom	Check Item	Details of Measure	Reference Page
None of the Units Operates.	Check the power supply.	Check to make sure that the rated voltage is supplied.	—
	Check the type of the indoor units.	Check to make sure that the indoor unit type is compatible with the outdoor unit.	—
	Check the outdoor air temperature.	Heating operation cannot be used when the outdoor air temperature is 20° C or higher (only for heat pump model), and cooling operation cannot be used when the outdoor air temperature is below -10° C.	_
	Diagnosis with remote controller indication	_	111
	Check the remote controller addresses.	Check to make sure that address settings for the remote controller and indoor unit are correct.	_
Operation Sometimes Stops.	Check the power supply.	A power failure of 2 to 10 cycles can stop air conditioner operation. (Operation lamp OFF)	—
	Check the outdoor air temperature.	Heating operation cannot be used when the outdoor air temperature is 20° C or higher (only for heat pump model), and cooling operation cannot be used when the outdoor air temperature is below -10° C.	_
	Diagnosis with remote controller indication	_	111
Equipment operates but does not cool, or does not heat (only for heat pump	Check for wiring and piping errors in the indoor and outdoor units connection wires and pipes.	Conduct the wiring/piping error check described on the product diagnosis nameplate.	_
model).	Check for thermistor detection errors.	Check to make sure that the main unit's thermistor has not dismounted from the pipe holder.	_
	Check for faulty operation of the electronic expansion valve.	Set the units to cooling operation, and compare the temperatures of the liquid side connection pipes of the connection section among rooms to check the opening and closing operation of the electronic expansion valves of the individual units.	_
	Diagnosis with remote controller indication	_	111
	Diagnosis by service port pressure and operating current	Check for insufficient gas.	148
Large Operating Noise and Vibrations	Check the output voltage of the power transistor.	_	149
	Check the power transistor.	—	_
	Check the installation condition.	Check to make sure that the required spaces for installation (specified in the Technical Guide, etc.) are provided.	—

3. Service Check Function

In the ARC433A series remote controller, the temperature display sections on the main unit indicate corresponding codes.

Check Method 1

1. When the timer cancel button is held down for 5 seconds, a "00" indication flashes on the temperature display section.



(R4271)

2. Press the timer cancel button repeatedly until a continuous beep is produced.

	The code indication	changes in th	e sequence shown	below, and notifies	with a long beep.
--	---------------------	---------------	------------------	---------------------	-------------------

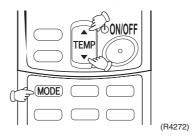
		-			
No.	Code	No.	Code	No.	Code
1	00	12	F6	23	RI
2	UЧ	13	בז	24	E1
3	L5	14	R3	25	UR
4	<i>E6</i>	15	HB	26	UH
5	H6	16	H9	27	РЧ
6	HD	17	<i>C9</i>	28	L3
7	<i>R6</i>	18	СЧ	29	LY
8	EЛ	19	۲5	30	НТ
9	UD	20	JЗ	31	U2
10	F3	21	J6	32	ER
11	<i>R</i> 5	22	<i>E</i> 5	33	RH



1. A short beep and two consecutive beeps indicate non-corresponding codes.

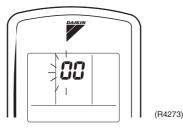
 To cancel the code display, hold the timer cancel button down for 5 seconds. The code display also cancels itself if the button is not pressed for 1 minute. **Check Method 2**

Enter the diagnosis mode.
 Press the 3 buttons (TEMP▲,TEMP▼, MODE) simultaneously.

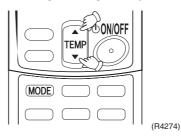


The digit of the number of tens blinks.

 \star Try again from the start when the digit does not blink.



Press the TEMP button.
 Press TEMP▲ or TEMP▼ and change the digit until you hear the sound of "beep" or "pi pi".

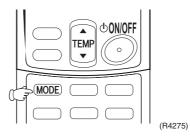


3. Diagnose by the sound.

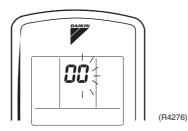
 \bigstar " pi " : The number of tens does not accord with the error code.

 \star " pi pi ": The number of tens accords with the error code.

- \star " beep ": The both numbers of tens and units accord with the error code. (\rightarrow See 7.)
- 4. Enter the diagnosis mode again. Press the MODE button.

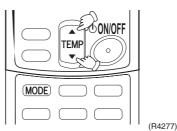


The digit of the number of units blinks.



5. Press the TEMP button.

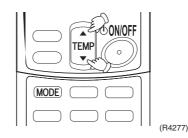
Press TEMP▲ or TEMP▼ and change the digit until you hear the sound of "beep".



6. Diagnose by the sound.

 \star " pi ": The both numbers of tens and units do not accord with the error code. \star " pi pi ": The number of tens accords with the error code.

- \star "beep ": The both numbers of tens and units accord with the error code.
- 7. Determine the error code.
 The digits indicated when you hear the "beep" sound are error code.
 (Error codes and description → Refer to page 111.)
- 8. Exit from the diagnosis mode. Press the MODE button.



4. Troubleshooting

4.1 Error Codes and Description

	Code Indication	Description	Reference Page
System	00	Normal	
	U0 ★	Insufficient gas	141
	U2	Over-voltage detection	143
	UЧ	Signal transmission error (between indoor and outdoor unit)	118
	UR	Unspecified voltage (between indoor and outdoor unit)	119
Indoor Unit	81	Indoor unit PCB abnormality	112
Unit	<i>R</i> 5	Freeze-up protection control or high pressure control	113
	86	Fan motor or related abnormality	115
	СЧ	Heat exchanger temperature thermistor abnormality	117
	C9	Room temperature thermistor abnormality	117
Outdoor Unit	E1	Outdoor unit PCB abnormality	120
Unit	E5 ★	OL activation (compressor overload)	121
	E6★	Compressor lock	122
	E7	DC fan lock	123
	E8	Input over current detection	124
	ER	Four way valve abnormality	125
	F3	Discharge pipe temperature control	127
	F6	High pressure control in cooling	128
	HO	Compressor system sensor abnormality	130
	H6	Position sensor abnormality	131
	H8	DC voltage/current sensor abnormality	132
	H9	Outdoor air thermistor or related abnormality	133
	JЗ	Discharge pipe temperature thermistor or related abnormality	133
	J6	Heat exchanger temperature thermistor or related abnormality	133
	L3	Electrical box temperature rise	135
	LY	Radiation fin temperature rise	137
	LS	Output over current detection	139
	РЧ	Heat radiation fin thermistor or related abnormality	133

★: Displayed only when system-down occurs.

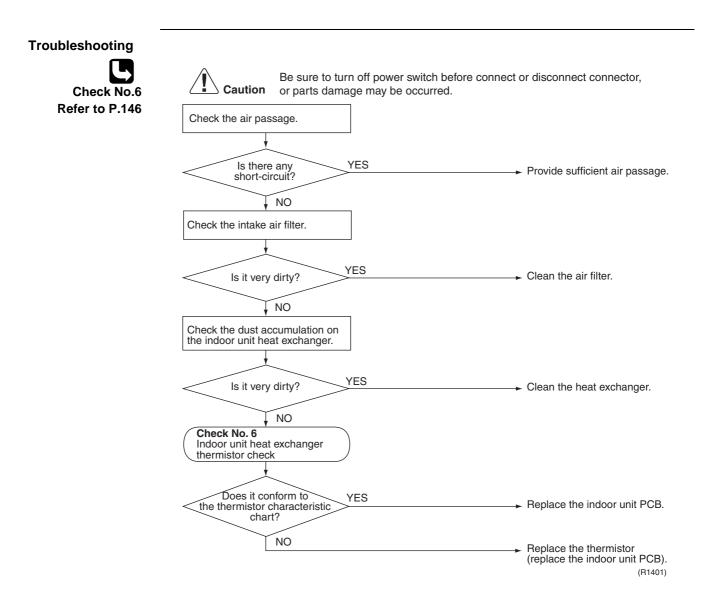
4.2 Indoor Unit PCB Abnormality

Remote Controller Display	81
Method of Malfunction Detection	Evaluation of zero-cross detection of power supply by indoor unit.
Malfunction Decision Conditions	When there is no zero-cross detection in approximately 10 continuous seconds.
Supposed Causes	 Faulty indoor unit PCB Faulty connector connection
Troubleshooting	Image: No Correct connections Image: Imag

Model Type	Connector No.	
Wall Mounted Type 20 / 25 / 35 class	Terminal strip~Control PCB	

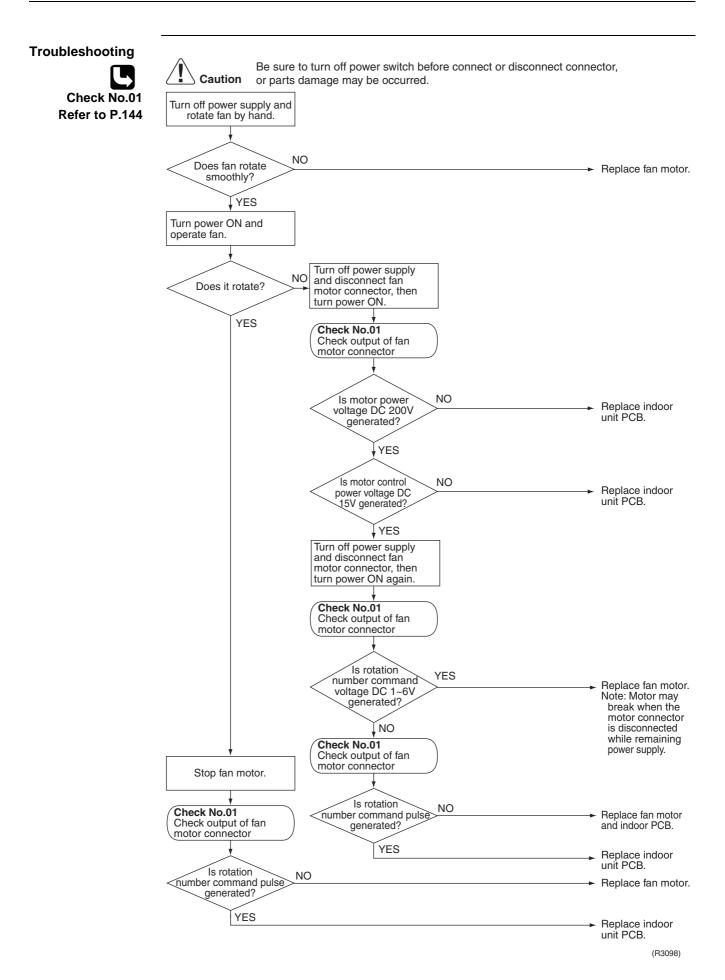
4.3 Freeze-up Protection Control or High Pressure Control

Remote Controller Display	<i>R</i> 5
Method of Malfunction Detection	 High pressure control (heat pump model only) During heating operations, the temperature detected by the indoor heat exchanger thermistor is used for the high pressure control (stop, outdoor fan stop, etc.) Freeze-up protection control (operation halt) is activated during cooling operation according to the temperature detected by the indoor unit heat exchanger thermistor.
Malfunction Decision Conditions	 High pressure control During heating operations, the temperature detected by the indoor heat exchanger thermistor is above 65°C Freeze-up protection When the indoor unit heat exchanger temperature is below 0°C during cooling operation.
Supposed Causes	 Operation halt due to clogged air filter of the indoor unit. Operation halt due to dust accumulation on the indoor unit heat exchanger. Operation halt due to short-circuit. Detection error due to faulty indoor unit heat exchanger thermistor. Detection error due to faulty indoor unit PCB.



4.4 Fan Motor (DC Motor) or Related Abnormality

Remote Controller Display	R6
Method of Malfunction Detection	The rotation speed detected by the Hall IC during fan motor operation is used to determine abnormal fan motor operation.
Malfunction Decision Conditions	When the detected rotation speed is less than 50% of the H tap under maximum fan motor rotation demand.
Supposed Causes	 Operation halt due to short circuit inside the fan motor winding. Operation halt due to breaking of wire inside the fan motor. Operation halt due to breaking of the fan motor lead wires. Operation halt due to faulty capacitor of the fan motor. Detection error due to faulty indoor unit PCB.



4.5 Thermistor or Related Abnormality (Indoor Unit)

Remote Controller Display	C4, C9	
Method of Malfunction Detection	The temperatures detected by the thermistors are used to determi	ne thermistor errors.
Malfunction Decision Conditions	When the thermistor input is more than 4.96 V or less than 0.04 V operation*. * (reference) When above about 212°C (less than 120 ohms) or below about -50	
Note:	The values vary slightly in some models.	
Supposed Causes	 Faulty connector connection Faulty thermistor Faulty PCB 	
Troubleshooting	Caution Be sure to turn off power switch before connect or disc or parts damage may be occurred.	onnect connector,
Refer to P.146	Check the connector connection.	
	Is it normal? NO YES Check No. 6	 Correct the connection.
	Thermistor resistance check	- Replace the thermistor.
	YES	(Replace the indoor unit PCB.) - Replace the indoor unit PCB.
	E9 : Room temperature thermistor	(R1403)

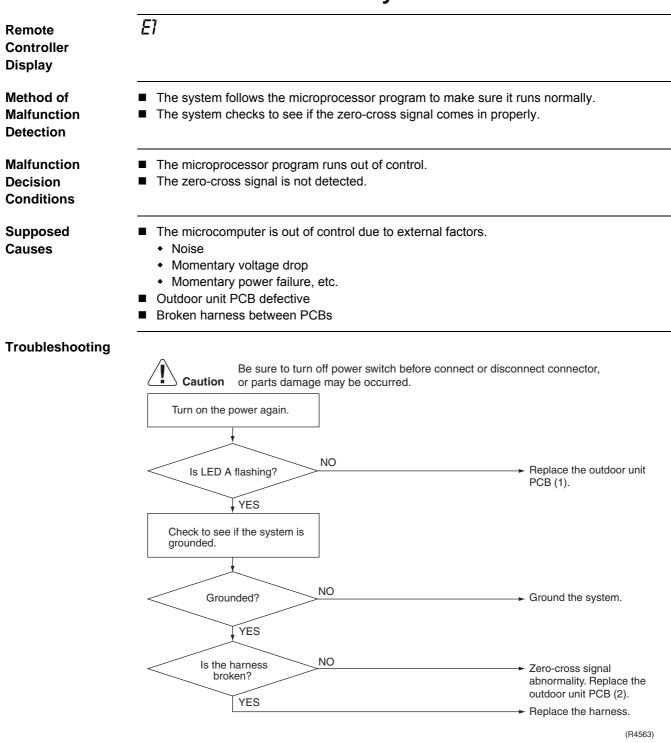
4.6 Signal Transmission Error (between Indoor and Outdoor Unit)

Remote Controller Display	UЧ	
Method of Malfunction Detection	The data received from the outdoor unit in indoor un checked whether it is normal.	nit-outdoor unit signal transmission is
Malfunction Decision Conditions	When the data sent from the outdoor unit cannot be the data is abnormal.	e received normally, or when the content of
Supposed Causes	 Faulty outdoor unit PCB. Faulty indoor unit PCB. Indoor unit-outdoor unit signal transmission erro Indoor unit-outdoor unit signal transmission erro Indoor unit-outdoor unit signal transmission erro wires between the indoor and outdoor units (wire 	r due to disturbed power supply waveform. r due to breaking of wire in the connection
Froubleshooting	Be sure to turn off power switch befor or parts damage may be occurred.	e connect or disconnect connector,
Check No.10 Refer to P.148	Check the indoor unit-outdoor	
	Is there any wiring error? YES	Correct the indoor unit-outdoor unit connection wires.
	Check the outdoor unit's LED A.	
	Is LED A flashing? NO	
	Check the voltage of the indoor unit-outdoor unit connection wires between No. 1 and No. 2, and between No 2 and No. 3.	
	Is the voltage 0 V? YES	Replace the connection wires between the indoor and outdoor units.
	Check No. 10 Check power supply waveform.	
	Is there any disturbance? NO	Replace indoor unit control PCB.
	YES	 Locate the cause of the disturbance of the power supply waveform, and correct it. (R2840)

4.7 Unspecified Voltage (between Indoor and Outdoor Units)

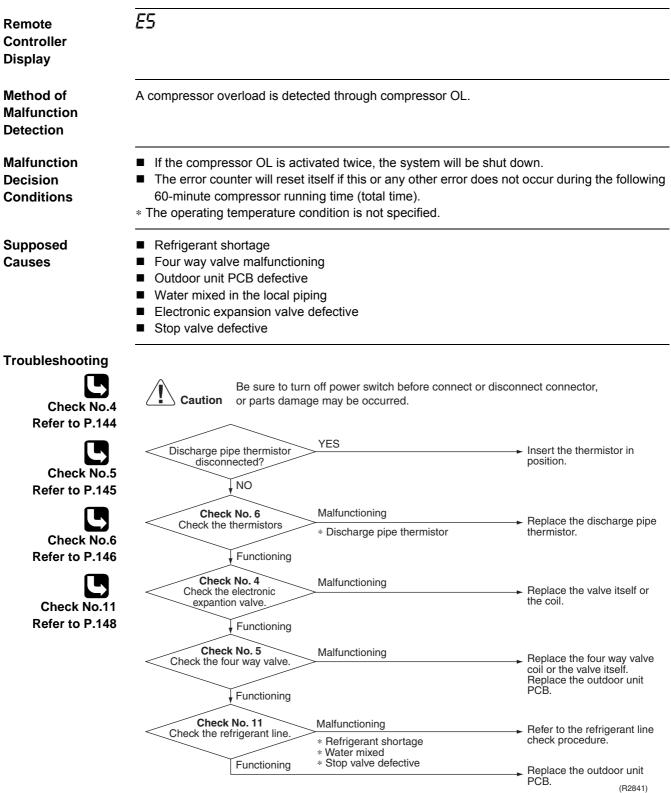
Remote Controller Display	UR	
Method of Malfunction Detection	The supply power is detected for its requirements (different from paindoor / outdoor transmission signal.	air type and multi type) by the
Malfunction Decision Conditions	The pair type and multi type are interconnected.	
Supposed Causes	 Wrong models interconnected Wrong indoor unit PCB mounted Indoor unit PCB defective Wrong outdoor unit PCB mounted or defective 	
Troubleshooting	Caution Be sure to turn off power switch before connect or disc or parts damage may be occurred. Check the indoor and outdoor unit model numbers. Indoor unit and outdoor unit matched? YES Check the code numbers (2P01234, for example) of the indoor and outdoor unit PC boards with the Parts List. Matched compatibly? NO YES	 Match the compatible models. Change for the specified PC board (1) or (2). Replace the indoor unit PC board (1) (or the outdoor unit PC board). (20347)

4.8 Outdoor Unit PCB Abnormality



Service Diagnosis

4.9 OL Activation (Compressor Overload)



4.10 Compressor Lock

E5

Remote	
Controller	
Display	

Method of Malfunction Detection

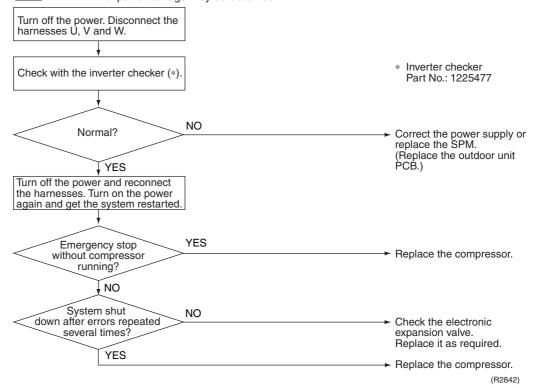
Malfunction Decision Conditions

Supposed Causes A compressor lock is detected by checking the compressor running condition through the position detection circuit.

- The system judges the compressor lock, and stops due to over current.
- The system judges the compressor lock, and cannot operation with position detection within 15 seconds after start up.
- The system will be shut down if the error occurs 16 times.
- Clearing condition: Continuous run for about 10 minutes (normal)
- Compressor locked
 - Compressor harness disconnected

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.

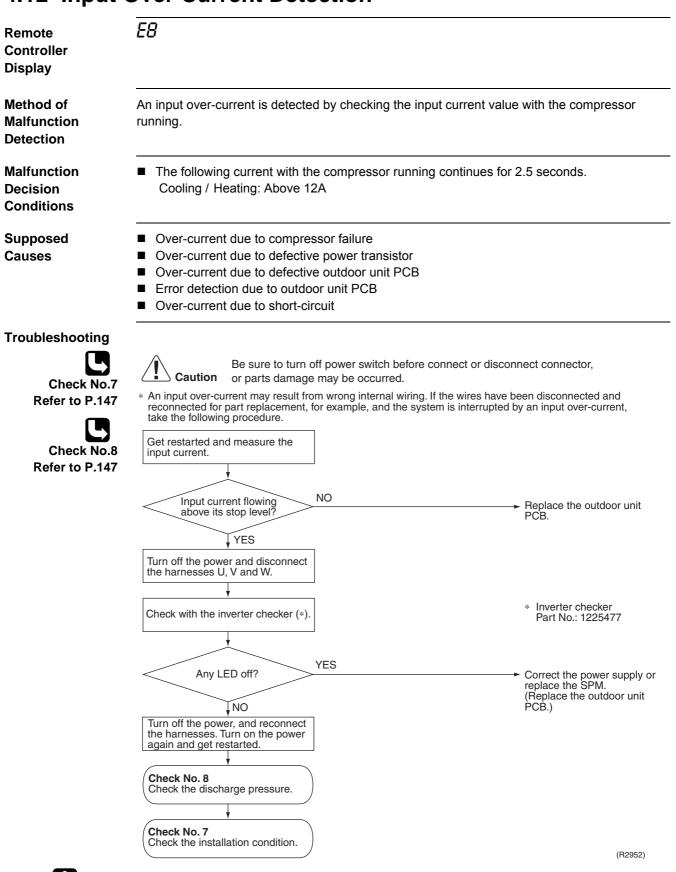


Note: If the model doesn't have SPM, replace the outdoor unit PCB.

4.11 DC Fan Lock

Remote Controller Display	E7	
Method of Malfunction Detection	A fan motor or related error is detected by checking the high-voltage detected by the Hall IC.	fan motor rpm being
Malfunction Decision Conditions	 The fan does not start in 30 seconds even when the fan motor is The system will be shut down if the error occurs 16 times. Clearing condition: Continuous run for about 10 minutes (normal 	·
Supposed Causes	 Fan motor breakdown Harness or connector disconnected between fan motor and PCB Foreign matters stuck in the fan 	or in poor contact
Troubleshooting Check No.15 Refer to P.149	Be sure to turn off power switch before connect or disco or parts damage may be occurred. Fan motor connector disconnected? NO Foreign matters in or around the fan? NO Get started. Check No. 15 Check the outdoor unit PCB rpm pulse input. NO Pulse signal inputted? NO	 nnect connector, Turn off the power and reconnect the connector. Remove. Replace the outdoor unit fan motor. Replace the outdoor unit
		 Replace the outdoor unit PCB. (R2843)

4.12 Input Over Current Detection

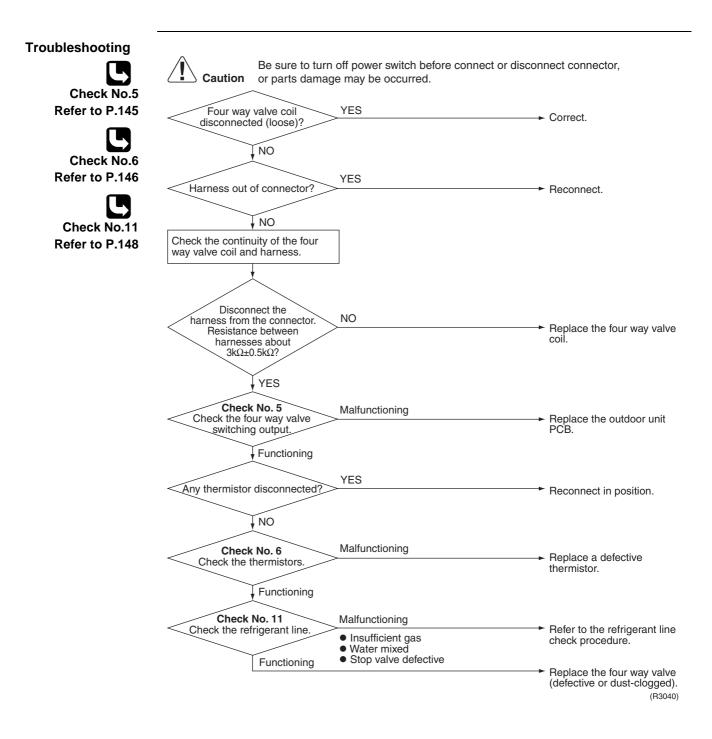


Note:

If the model doesn't have SPM, replace the outdoor unit PCB.

4.13 Four Way Valve Abnormality

Remote Controller Display	ΕЯ
Method of Malfunction Detection	The indoor air temperature thermistor, the indoor unit heat exchanger thermistor, the outdoor temperature thermistor and the outdoor unit heat exchanger thermistor are checked to see if they function within their normal ranges in the operating mode.
Malfunction Decision Conditions	 A following condition continues over 10 minute after operating 5 minutes. ■ Cooling / dry operation (room temp. – indoor heat exchanger temp.) < -5°C ■ Heating (indoor unit heat exchanger temp. – room temp.) < -5°C
Supposed Causes	 Connector in poor contact Thermistor defective Outdoor unit PCB defective Four way valve coil or harness defective Four way valve defective Foreign substance mixed in refrigerant Insufficient gas



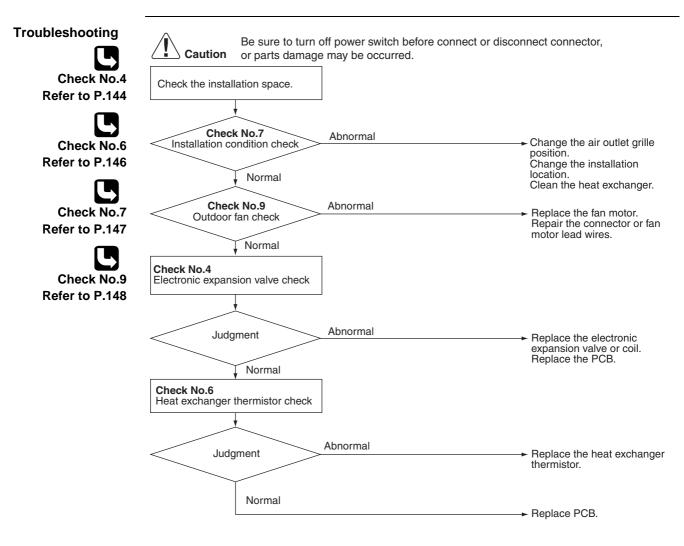
4.14 Discharge Pipe Temperature Control

Remote Controller Display	F3			
Method of Malfunction Detection	The discharge pipe temperature control (stop, from temperature being detected by the discharge pipe			hecked with the
Malfunction Decision Conditions	 If a stop takes place 4 times successively du system will be shut down. If the temperature being detected by the disc compressor will stop. (The error is cleared w B °C.) 	harge pipe th	ermistor rises	above A °C, the
	Stop temperatures	A	B	
	(1) above 45Hz (rising), above 40Hz (dropping)	110	97	
	(2) 30~45Hz (rising), 25~40Hz (dropping)	105	92	
	(3) below 30Hz (rising), below 25Hz (dropping)	99	86	
	 The error counter will reset itself if this or any 			during the following
	60-minute compressor running time (total tim			
Supposed Causes	 Refrigerant shortage Four way valve malfunctioning Discharge pipe thermistor defective (heat exchanger or outdoor air temperature t Outdoor unit PCB defective Water mixed in the local piping Electronic expansion valve defective Stop valve defective 	hermistor def	ective)	
Troubleshooting				
Check No.4	Caution Be sure to turn off power switch b or parts damage may be occurred		or disconnect co	nnector,
Refer to P.144	Check No. 6 Malfunctioning		Benla	ce a defective
Check No.6	Check the thermistors. • Discharge pipe • Outdoor unit here • Outdoor temper	at exchanger the	thermi ermistor	
Refer to P.146	Check No. 4 Malfunctioning			
	Check the electronic			ce the valve itself or
	expansion valve.		the co	11.
Check No.11	Functioning			
Refer to P.148				
	Check No. 11 Malfunctioning Check the refrigerant	4		to the refrigerant line
	Functioning Greek the reinigerant Ine. Four way valve to Water mixed Stop valve defect	malfunctioning	CHECK	procedure.
			→ Replace PCB.	ce the outdoor unit

4.15 High Pressure Control in Cooling

Remote Controller Display	F6
Method of Malfunction Detection	High-pressure control (stop, frequency drop, etc.) is activated in the cooling mode if the temperature being sensed by the heat exchanger thermistor exceeds the limit.
Malfunction Decision Conditions	Activated when the temperature being sensed by the heat exchanger thermistor rises above 65°C. (The error is cleared when the temperature drops below 54°C.)
Supposed Causes	 The installation space is not large enough. Faulty outdoor unit fan Faulty electronic expansion valve Faulty defrost thermistor Faulty outdoor unit PCB Faulty stop valve

Dirty heat exchanger



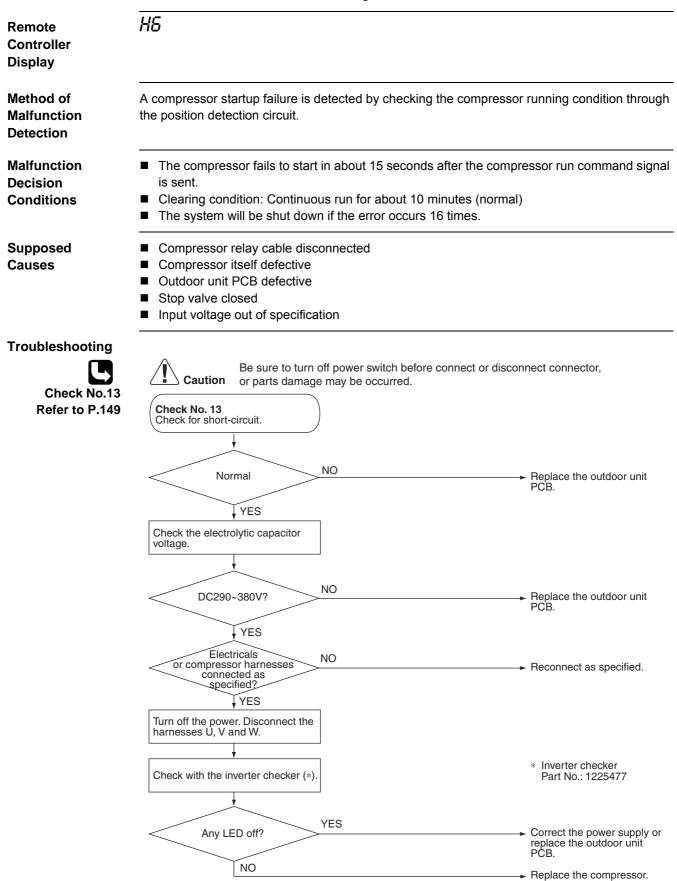
(R2855)

4.16 Compressor System Sensor Abnormality

HO
The system checks the DC current before the compressor starts.
If the DC current before compressor start-up is out of the range 0.5-4.5 V (sensor output converted to voltage value) or if the DC voltage before compressor start-up is below 50 V.
PCB defectiveBroken or poorly connected harness
Image: NO NO Get restarted and error displayed again? NO VES No problem. Keep on running.

(R4564)

4.17 Position Sensor Abnormality



(R3041)

4.18 DC Voltage / Current Sensor Abnormality

Remote Controller Display	HB
Method of Malfunction Detection	Detecting abnormality of the DC sensor by the running frequency of compressor and by the input current multiplied DC voltage and current.
Malfunction Decision Conditions	 The compressor running frequency is below 52 Hz. (The input current is also below 0.5 A.) If this error repeats 4 times, the system will be shut down. The error counter will reset itself if this or any other error does not occur during the following 60-minute compressor running time (total time).
Supposed Causes	Outdoor unit PCB defective
Troubleshooting	Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.

Replace the outdoor unit PCB.

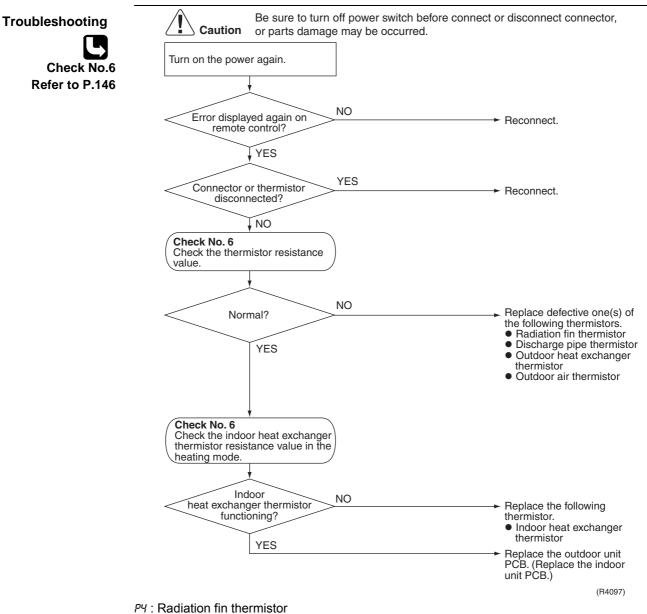
4.19 Thermistor or Related Abnormality (Outdoor Unit)

Remote Controller Display

P4, J3, J6, H9

mode)

Display	
Method of Malfunction Detection	This type of error is detected by checking the thermistor input voltage to the microcomputer. [A thermistor error is detected by checking the temperature.]
Malfunction Decision Conditions	The thermistor input is above 4.96 V or below 0.04 V with the power on. Error $J3$ is judged if the discharge pipe thermistor temperature is smaller than the condenser thermistor temperature.
Supposed	Connector in poor contact
Causes	■ Thermistor defective
	Outdoor unit PCB defective
	Indoor unit PCB defective
	Condenser thermistor defective in the case of J3 error (outdoor unit heat exchanger
	thermistor in the cooling mode, or indoor unit heat exchanger thermistor in the heating



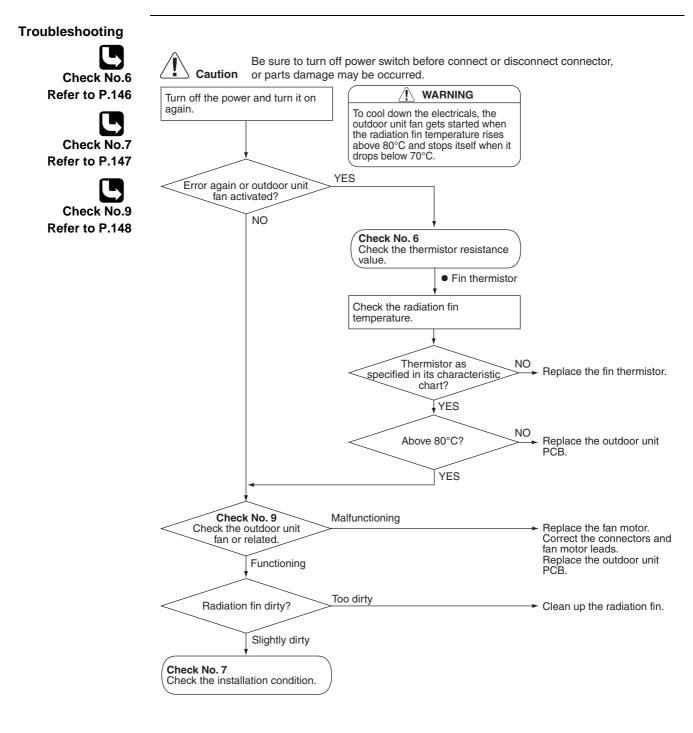
J3 : Discharge pipe thermistor

JE : Outdoor heat exchanger thermistor

H9 : Outdoor air temperature thermistor

4.20 Electrical Box Temperature Rise

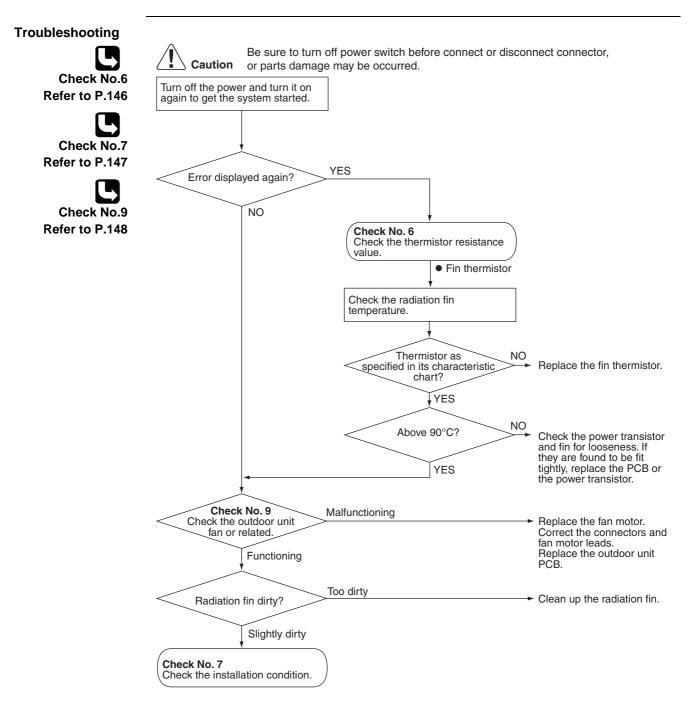
Remote Controller Display	L3
Method of Malfunction Detection	An electrical box temperature rise is detected by checking the radiation fin thermistor with the compressor off.
Malfunction Decision Conditions	With the compressor off, the radiation fin temperature is above 80°C. Reset is made when the temperature drops below 70°C.
Supposed Causes	 Fin temperature rise due to defective outdoor unit fan Fin temperature rise due to short-circuit Fin thermistor defective Connector in poor contact Outdoor unit PCB defective



(R4279)

4.21 Radiation Fin Temperature Rise

Remote Controller Display	LY
Method of Malfunction Detection	A radiation fin temperature rise is detected by checking the radiation fin thermistor with the compressor on.
Malfunction Decision Conditions	 If the radiation fin temperature with the compressor on is above 90°C. If a radiation fin temperature rise takes place 4 times successively, the system will be shut down. The error counter will reset itself if this or any other error does not occur during the following 60-minute compressor running time (total time).
Supposed Causes	 Fin temperature rise due to defective outdoor unit fan Fin temperature rise due to short-circuit Fin thermistor defective Connector in poor contact Outdoor unit PCB defective

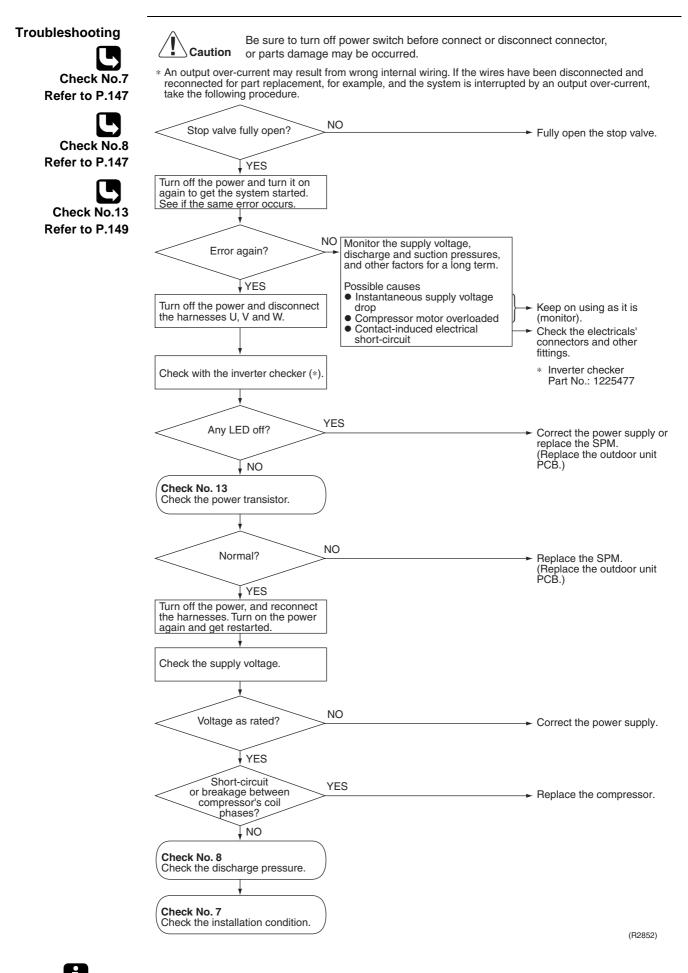


(R4280)

4.22 Output Over Current Detection

Remote Controller Display	L5
Method of Malfunction Detection	An output over-current is detected by checking the current that flows in the inverter DC section.
Malfunction Decision Conditions	 A position signal error occurs while the compressor is running. A speed error occurs while the compressor is running. An output over-current input is fed from the output over-current detection circuit to the microcomputer. The system will be shut down if the error occurs 255 times. Clearing condition: Continuous run for about 10 minutes (normal)
Supposed Causes	 Over-current due to defective power transistor Over-current due to wrong internal wiring Over-current due to abnormal supply voltage Over-current due to defective PCB Error detection due to defective PCB Over-current due to closed stop valve Over-current due to compressor failure

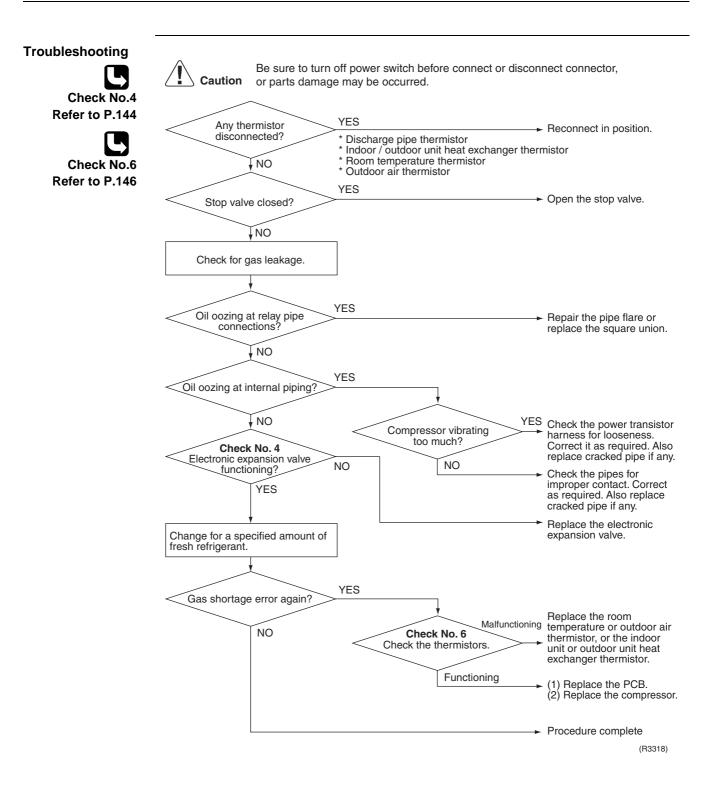
Over-current due to poor installation condition



Note: If the model doesn't have SPM, replace the outdoor unit PCB.

4.23 Insufficient Gas

Remote Controller Display	UO						
Method of Malfunction Detection	Gas shortage detection I : A gas shortage is detected by checking the compressor running frequency. Gas shortage detection II : A gas shortage is detected by checking the difference between indoor unit heat exchanger temperature and room temperature as well as the difference between outdoor unit heat exchanger temperature and room temperature. Gas shortage detection III : A gas shortage is detected by checking the difference between indoor unit heat exchanger temperature and room temperature.						
MalfunctionGas shortage detection I :DecisionDC current × DC voltage ConditionsHowever, when the statusNote : The values are different status			voltage < A (A/H he status of runn	ing frequency >	$\mathbb C$ (Hz) is kept on for a		
	A		B	\mathbb{C}]		
	640 / 25	56	0	55			
Gas shortage detection II : If a gas shortage error takes place 4 times successively, the system will be shut counter will reset itself if this or any other error does not occur during the follow compressor running time (total time). Gas shortage detection III : When the difference of the temperature is smaller than A, it is regarded as in				e following 60-minute			
						A	
	Cooling	roor	n temperature – in	door heat exchar	nger temperature	4.0°C	
	Cooling	outo	loor heat exchange	er temperature –	outdoor temperature	4.0°C	
	Heating		or heat exchange	r temperature – ro	oom temperature	3.0°C	
	Tiodaling	outo	oor temperature -	- outdoor heat exe	changer temperature	3.0°C	
Supposed Causes	 Poor co Discharget thermist Stop value 	mpres ge pip or dis lve clo	connected, room	e of compressor onnected, or ind or outdoor air te	loor unit or outdoor un emperature thermistor	-	



4.24 Over-voltage Detection

Remote Controller Display	U2
Method of Malfunction Detection	An abnormal voltage rise is detected by checking the specified over-voltage detection circuit.
Malfunction Decision Conditions	 An over-voltage signal is fed from the over-voltage detection circuit to the microcomputer (The voltage is over 400V). The system will be shut down if the error occurs 255 times. Clearing condition: Continuous run for about 10 minutes (normal)
Supposed Causes	 Supply voltage not as specified Over-voltage detection circuit defective PAM control part(s) defective
Troubleshooting	Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred. Check the supply voltage. Check the supply voltage. Supply voltage as specified? NO YES Correct the power supply. Turn on the power again. Error displayed NO Disturbance factors Check for such factors for a long term.
	Again? YES Repeat a couple of times. Replace the SPM. (Replace the outdoor unit PCB.)



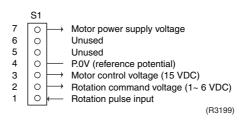
: If the model doesn't have SPM, replace the outdoor unit PCB.

5. Check 5.1 How to Check

5.1.1 Fan Motor Connector Output Check

Check No.01

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

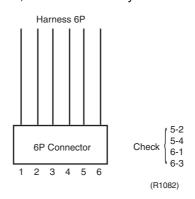


5.1.2 Electronic Expansion Valve Check

Check No.4

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

- 1. Check to see if the EV connector is correctly inserted in the PCB. Compare the EV unit and the connector number.
- 2. Turn the power off and back on again, and check to see if all the EVs generate latching sound.
- If any of the EVs does not generate latching noise in the above step 2, disconnect that connector and check the conductivity using a tester. Check the conductivity between pins 1, 3 and 6, and between pins 2, 4 and 5. If there is no conductivity between the pins, the EV coil is faulty.



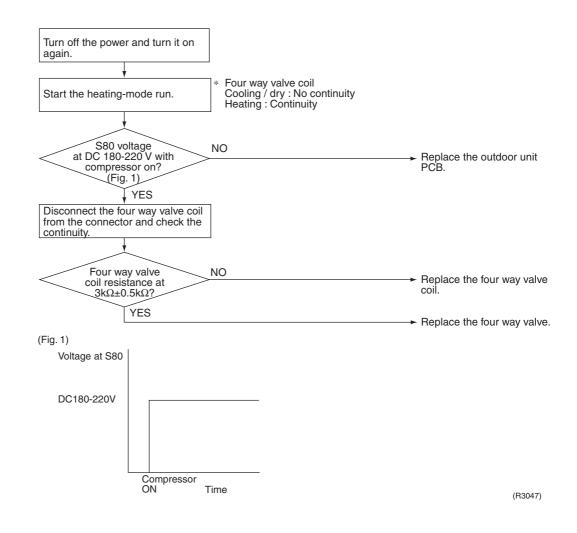
- 4. If no EV generates latching sound in the above step 2, the outdoor unit PCB is faulty.
- 5. If the conductivity is confirmed in the above step 2, mount a good coil (which generated latching sound) in the EV unit that did not generate latching sound, and check to see if that EV generates latching sound.
 - *If latching sound is generated, the outdoor unit PCB is faulty.
 - *If latching sound is not generated, the EV unit is faulty.



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

5.1.3 Four Way Valve Performance Check

Check No.5



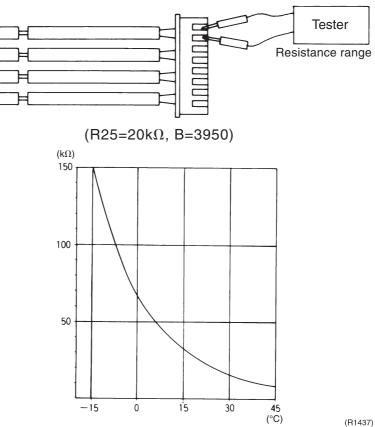
5.1.4 Thermistor Resistance Check

Check No.6

Remove the connectors of the thermistors on the PCB, and measure the resistance of each thermistor using tester.

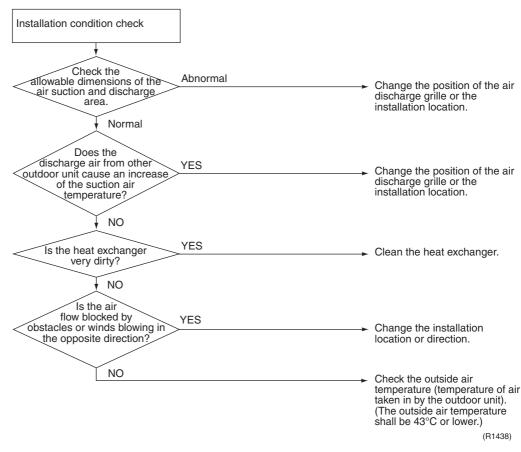
The relationship between normal temperature and resistance is shown in the graph and the table below.

	Thermistor	R25°C=20kΩ B=3950
Temperature (°C)		
-20		211.0 (kΩ)
-15		150
-10		116.5
-5		88
0		67.2
5		51.9
10		40
15		31.8
20		25
25		20
30		16
35		13
40		10.6
45		8.7
50		7.2



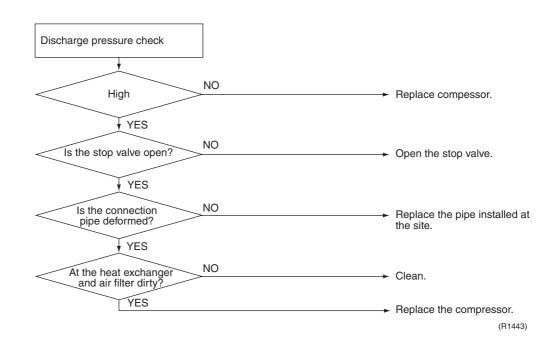
5.1.5 Installation Condition Check

Check No.7



5.1.6 Discharge Pressure Check

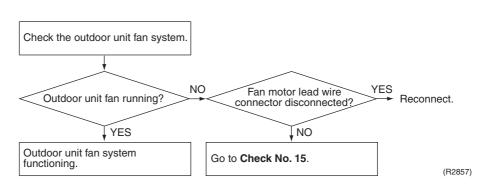
Check No.8



5.1.7 Outdoor Unit Fan System Check

Check No.9

DC motor

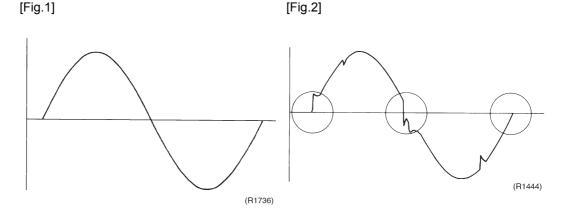


5.1.8 Power Supply Waveforms Check

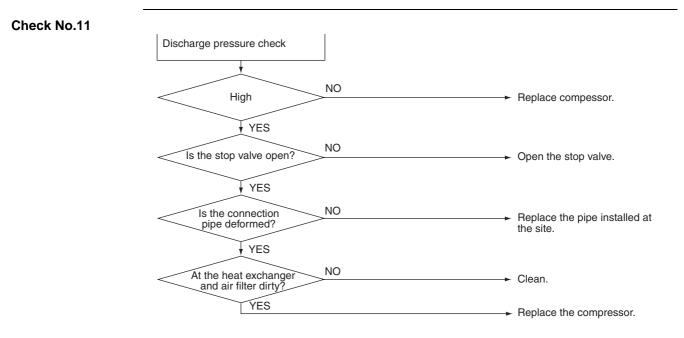
Check No.10

Measure the power supply waveform between pins 1 and 3 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)



5.1.9 Inverter Units Refrigerant System Check



5.1.10 Power Transistor Check

Check No.13



Check to make sure that the voltage between the terminal of Power transistor (+) and (-) is approx. 0 volt before checking power transistor.

< Measuring method >

Disconnect the compressor harness connector from the outdoor unit PCB. To disengage the connector, press the protrusion on the connector.

Then, follow the procedure below to measure resistance between power transistor (+) and (-) and the U, V and W terminals of the compressor connector with a multi-tester. Evaluate the measurement results for a pass/fail judgment.

<Power transistor check>

Negative (-) terminal of tester (positive terminal (+) for digital tester)	Power transistor (+)	UVW	Power transistor (-)	UVW
Positive (+) terminal of tester (negative terminal (-) for digital tester)	UVW	Power transistor (+)	UVW	Power transistor (-)
Normal resistance		Several k Ω to	o several M Ω (*)	
Unacceptable resistance	e Short (0 Ω) or open			

5.1.11 Turning Speed Pulse Input on the Outdoor Unit PCB Check

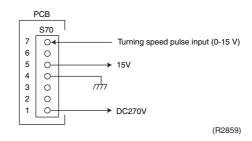
Check No.15

<Propeller fan motor>

Make sure the voltage of 270±30V is being applied.

- (1) Stop the operation first and then the power off, and disconnect the connector S70.
- (2) Make sure there is about DC 270 V between pins 4 and 7.
- (3) With the system and the power still off, reconnect the connector S70.
- (4) Make a turn of the fan motor with a hand, and make sure the pulse (0-15 V) appears twice at pins 1 and 4.

If the fuse is blown out, the outdoor-unit fan may also be in trouble. Check the fan too. If the voltage in Step (2) is not applied, it means the PCB is defective. Replace the PCB. If the pulse in Step (4) is not available, it means the Hall IC is defective. Replace the DC fan motor. If there are both the voltage (2) and the pulse (4), replace the PCB.



* Propeller fan motor : S70

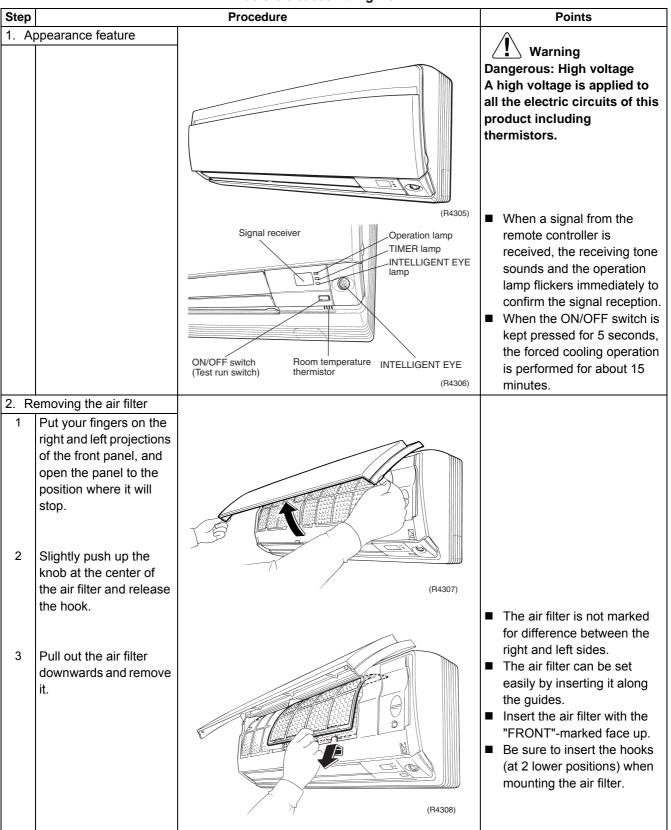
Part 7 Removal Procedure

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1. Indoor Unit 1.1 Removal of Air Filter

Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



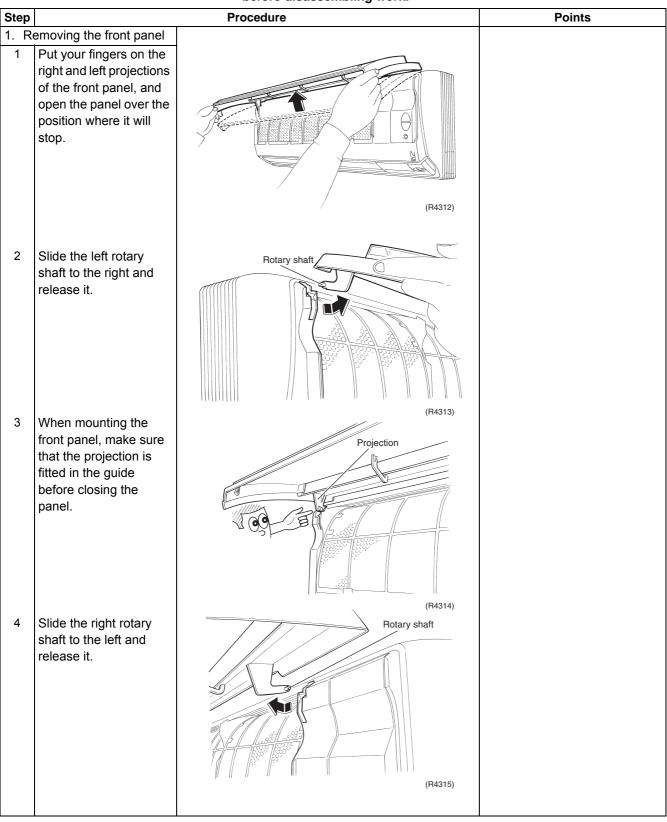
Step		Procedure	Points
ap	emoving the titanium patite photocatalytic air- urifying filter		
1	The titanium apatite photocatalytic air- purifying filter is attached to the back of the air filter.	Air filter Titanium apatite photocatalytic air-purifying filter	The titanium apatite photocatalytic air-purifying filter is not marked for difference between the right and left sides.
2	Remove the titanium apatite photocatalytic air-purifying filter frame by bending the air filter and unfastening the projections from the air filter frame.	(R4309)	
3	Remove the titanium apatite photocatalytic air-purifying filter from its frame (at 5 positions) by bending it.	(R4310)	

1.2 Removal of Front Panel

∕!∖

Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

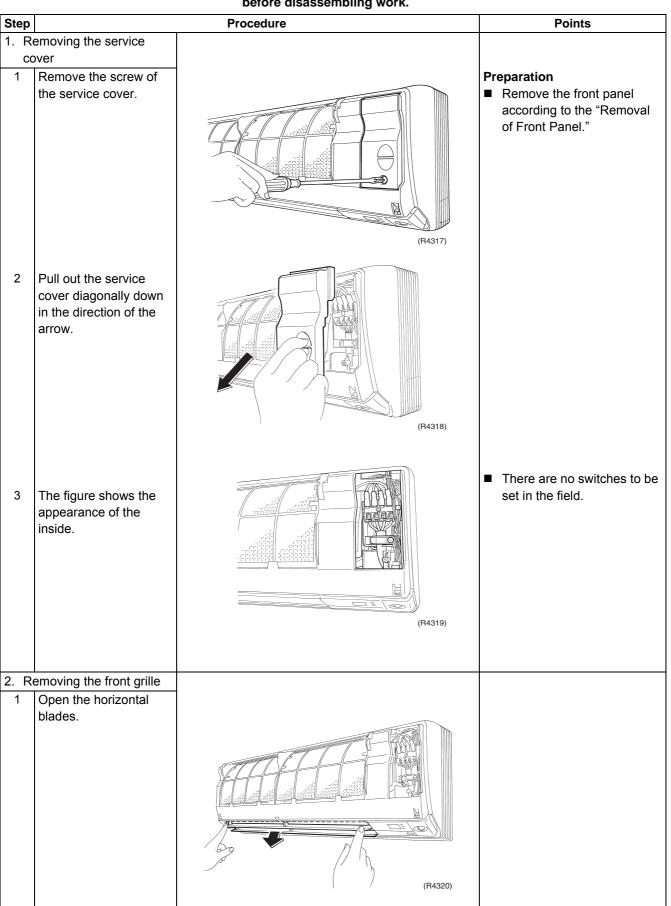


Step		Procedure	Points
5	Remove the front panel.	<image/> <image/>	 Caution on Mounting When mounting the front panel, fit the right and left rotary shafts one by one into the grooves and fully push them in position.

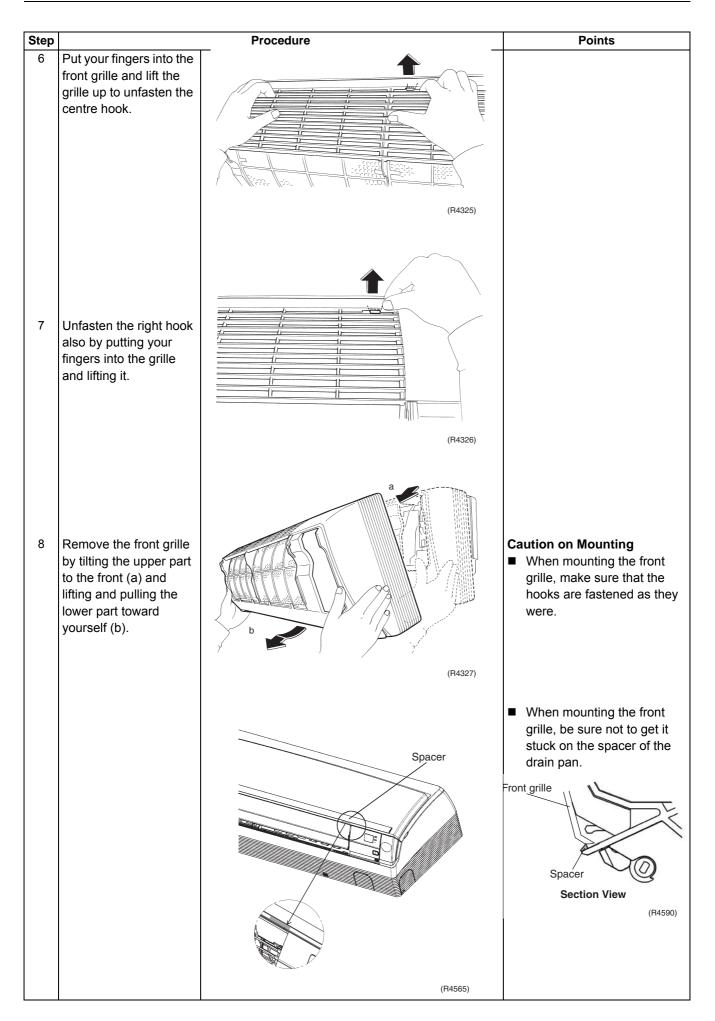
1.3 Removal of Front Grille

Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Step		Procedure	Points
2	Remove the screw covers (one each at the right and left).	(R4321)	
3	Remove the screws (one each at the right and left).	(R4322)	When installing the indoor unit, drive the screws with the horizontal blades open or removed.
4	Release the 3 hooks at the top.	Hooks	
5	Put your fingers into the front grille to the depth and lift the grille up to unhook.	(P4323) (P4324)	

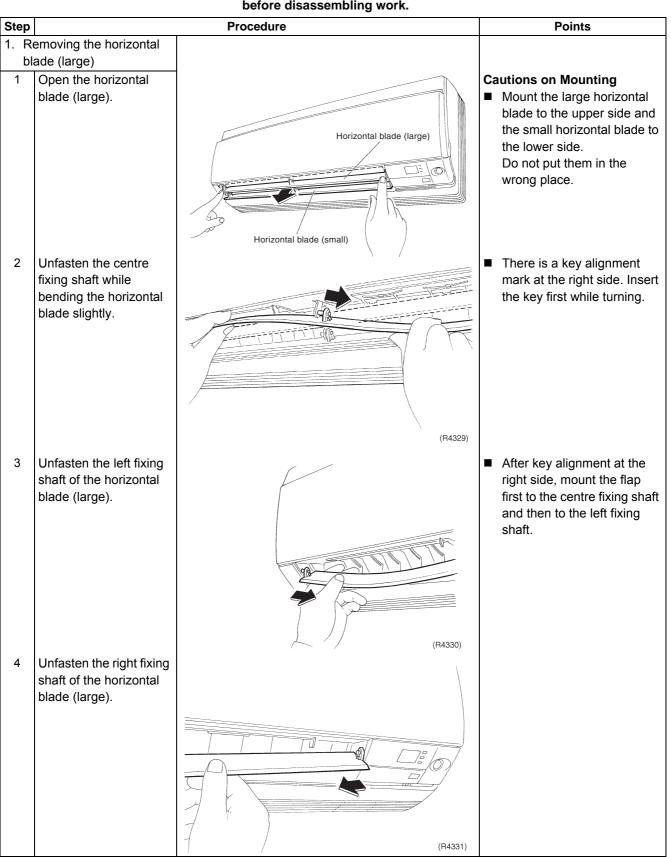


1.4 Removal of Horizontal Blades and Vertical Blades



∕!∖

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Step		Procedure	Points
	emoving the horizontal		
	ade (small)		
1	Remove the horizontal		
	blade (small) while		
	bending the fixed part	Horizontal blade (small)	
	at the centre slightly.		
		(R4332)	
2	Unfasten the left side.		
		(R4333)	
		Key	
3	Unfasten the key type fixing shaft at the right		
	side.		
		(R4334)	

Step		Procedure	Points
3. R	emoving the vertical		
bl	ade		
1	Unfasten the hooks at		
	the shaft mounting part		
	by pressing them with a		
	flat screwdriver.		
		Hooks	
2	Unfasten the hooks at	(R4335)	
	the upper 2 positions.		
3	Remove the vertical blade toward yourself.	(F4336)	 Six vertical blades are united as a set. (It is impossible to replace only one blade.) The set of blades is not
		(R4337)	marked for difference between right and left.

1.5 Removal of Electrical Box

Procedure Warning Be sure to wait 10 minutes or more after turning off all power supplies ∕!∖ before disassembling work. Step Procedure Points The figure shows the Preparation 1 Electrical connections of wire component box Remove the front grille harnesses. according to the "Removal of Front Grille." Drip proof plate (R4338) Remove the screw of 2 the electric wire retaining plate. (R4339) 3 Loosen the screws of the terminal board and disconnect the connecting wires. oonniiiii (R4340) 4 Remove the connector of the swing motor [S6]. [S6] (R4341)

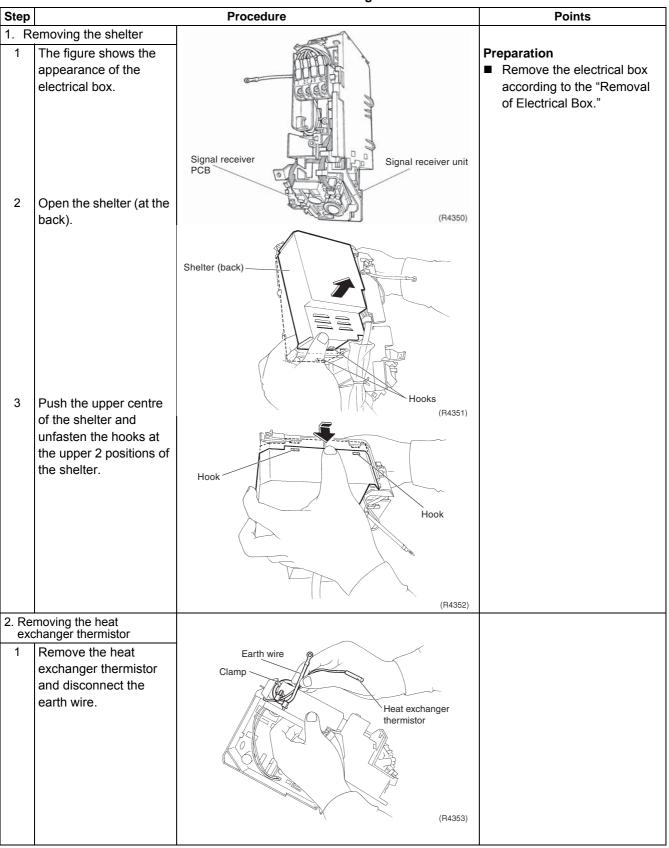
Step		Procedure	Points
5	Remove the drip proof plate by removing the screw.	Drip proof plate (R4343)	Put any excess wires behind the power supply lead wire.
6	Replace the heat exchanger thermistor.	Heat exchanger thermistor Retainer of thermistor (R4344)	 Use care not to lose the retainer of thermistor.
7	Disconnect the earth wire by removing the screw.	Earth wire (R4345)	
8	Remove the screw of the electrical box.	(R4346)	

Step		Procedure	Points
9	Release the hook at the upper far side by pressing it from above and pulling the box toward yourself.	Hook Hook (R4347)	
10	Lift up the electrical box and pull it toward yourself.	(R4348)	There is a hook also at the lower part of the back. When mounting the box, make sure that it is securely fastened.
11	When the connector of the fan motor [S1] is removed, the electrical box can be dismounted.	(R4349)	

1.6 Removal of PCB

Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Step		Procedure	Points
	emoving the terminal		
b	oard	() () () () () () () () () ()	
1	Dismount the terminal	100 M	
	board by removing the		
	screw.		
		Terminal board	
		(R4354)	
		/ // / (n+50+)	
	emoving the signal		
	eceiver unit		
1	Remove the signal		
	receiver unit by	Signal receiver unit	
	unfastening the hooks (one each at the right	Hook	
	and left).	Hook	
		(R4355)	
		Hook	
2	Remove the electrical	(R4356)	
	box (cover) by		
	unfastening the hooks		
	at 2 positions.		
		Hooks	
		(R4357)	

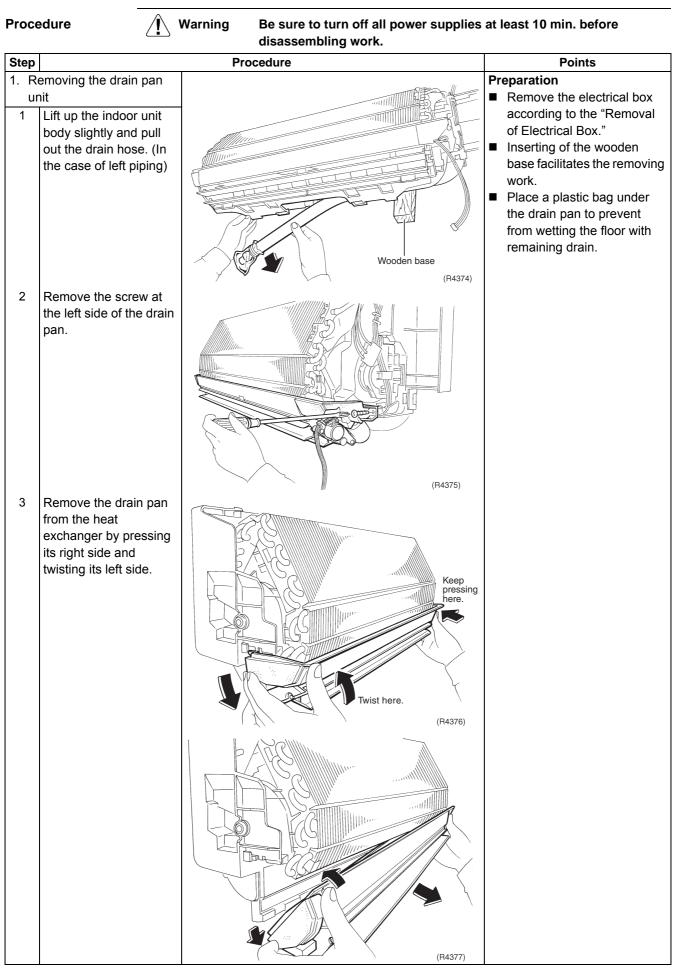
Step		Procedure	Points
3	Remove the electrical box by sliding it to the left.	Hook Hook Hook	
4	Disconnect the wire harness.	(R4358)	
5. R re	emoving the signal ceiver PCB		
1	Remove the signal receiver PCB by opening the hooks at 3 positions.	Hook Signal receiver PCB (R4361)	
2	Disconnect the connector from the signal receiver PCB.	(R4362)	

Step		Procedure	Points
6. R	emoving the		
	ITELLIGENT EYE PCB		
1	Remove the		
	INTELLIGENT EYE fixing plate by twisting it	INTELLIGENT EYE	
	clockwise.	fixing plate	
2	Demove the	(R4363)	
2	Remove the INTELLIGENT EYE		
	PCB by unfastening the		
	hook.		
		Hook	
		(R4364)	
3	Disconnect the connector from the		
	INTELLIGENT EYE		
	PCB.		
		(R4365)	

Step		Procedure	Points
7. R	emoving the display		
	CB The figure shows the connection of wire harness for the display PCB.	Display PCB (R4366)	
2	Remove the display PCB by unfastening the 2 hooks.	Hook (R4367)	
3	Disconnect the connector from the display PCB.	Creen LED1 R4368)	
8. R	emoving the control PCB		
1	Dismount the control PCB by removing the 2 hooks.	Hook Hook (R4369)	

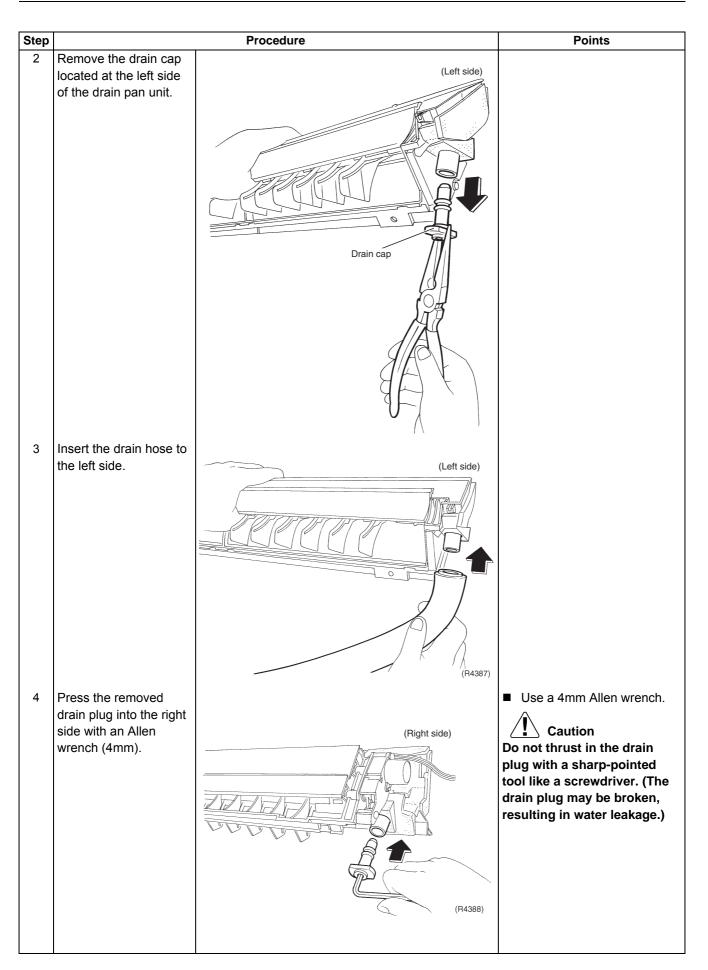
Step		Procedure	Points
2	Lift up the bottom of the control PCB and pull it out.	Fixing hook	When mounting the control PCB, make sure that it is fixed by upper hooks.
3	The figures show the names of the PCB component parts.		 Lead-free solder (PbF) is used for the PCB. When replacing the PCB, use the specific solder and soldering iron. [S1] To DC fan motor [S6] To swing motor [S21] HA connector [S26] To display PCB [S28] To signal receiver PCB [S32] To heat exchanger thermistor [S35] To INTELLIGENT EYE PCB

1.7 Removal of Drain Pan Unit

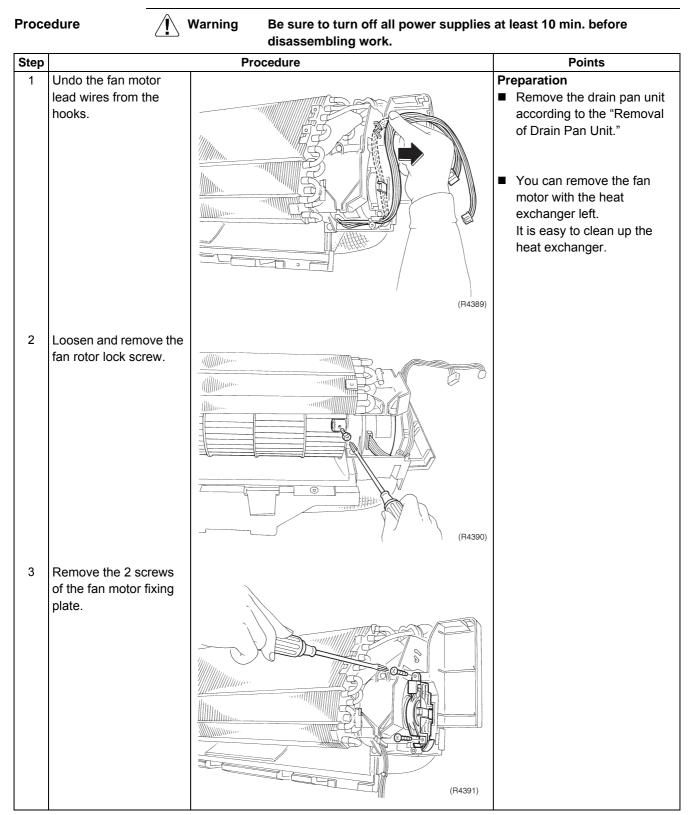


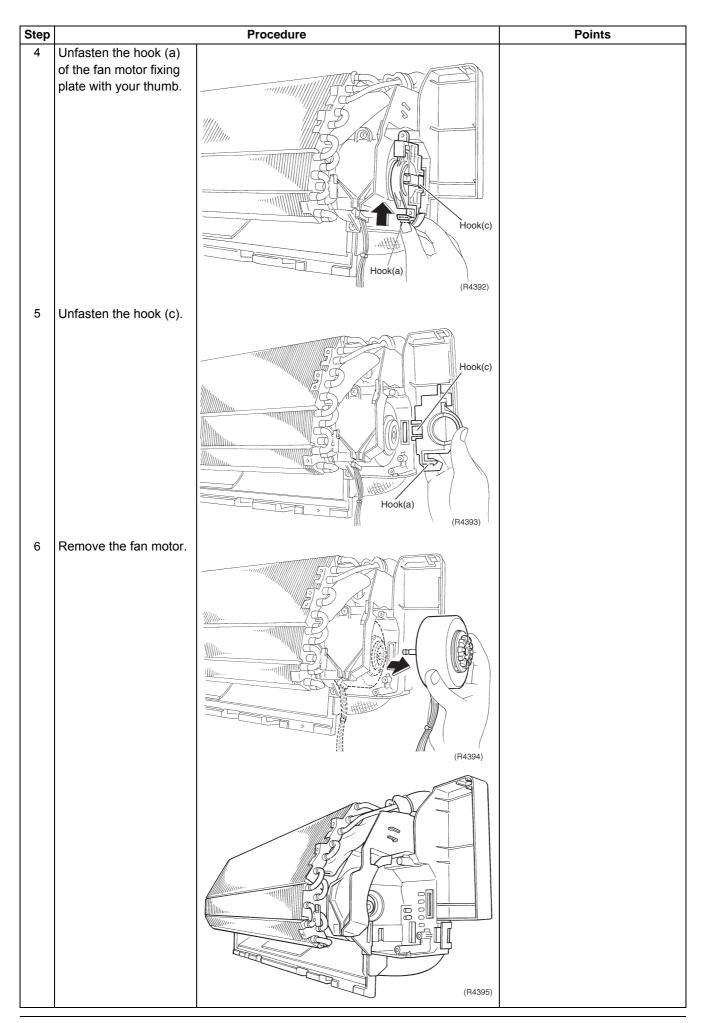
Step		Procedure	Points
4	Remove the drain pan toward yourself from the indoor unit body.	(R4378)	 Caution on Mounting Make sure that the hook at the left side is fitted in the groove.
		Hook (R4379)	
	emoving the swing motor		
2	Remove the screw of the swing motor. Pull out the swing	Swing motor Swing motor (P4380)	
	motor.	(R4381)	

oving the crank nbly move the screw of		
nbly		
e crank assembly.	Crank assembly	
move the crank sembly by fastening the hook.	(R4382)	
	Hook (R4383)	
e figure shows the sition of the hook en the crank sembly has been noved.	Hook inserting part	
	(R4384)	
In right piping Il out the drain hose m its right side nnection.	Drain hose	
i I	n its right side	n right piping l out the drain hose n its right side nection.

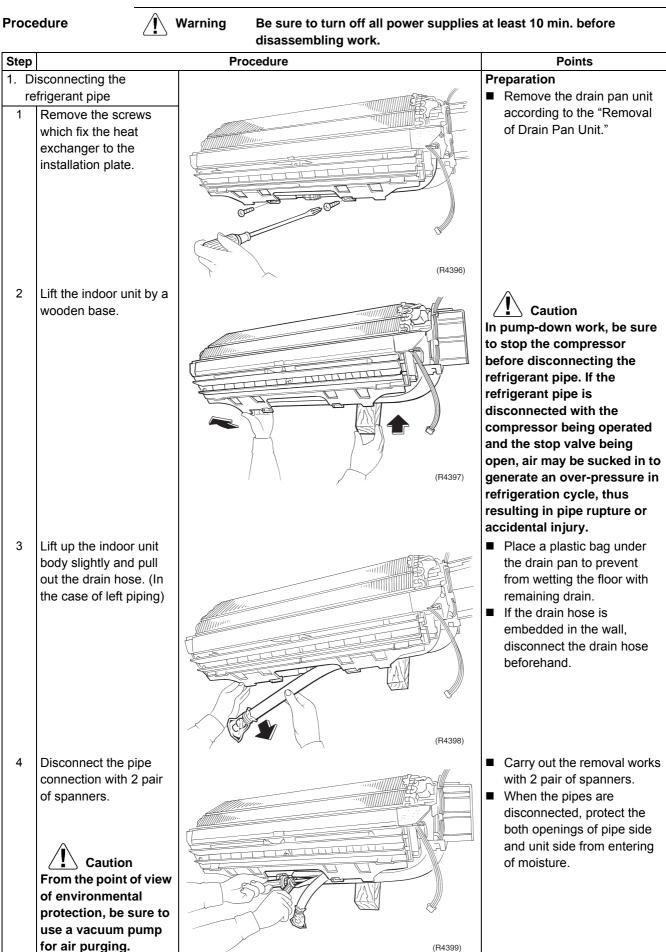


1.8 Removal of Fan Motor





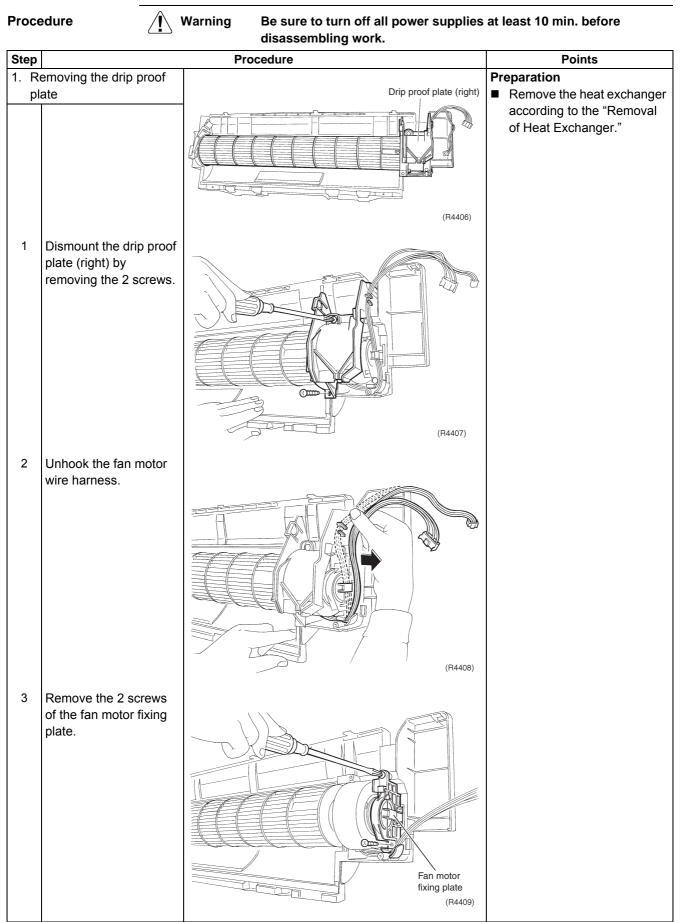
1.9 Removal of Heat Exchanger



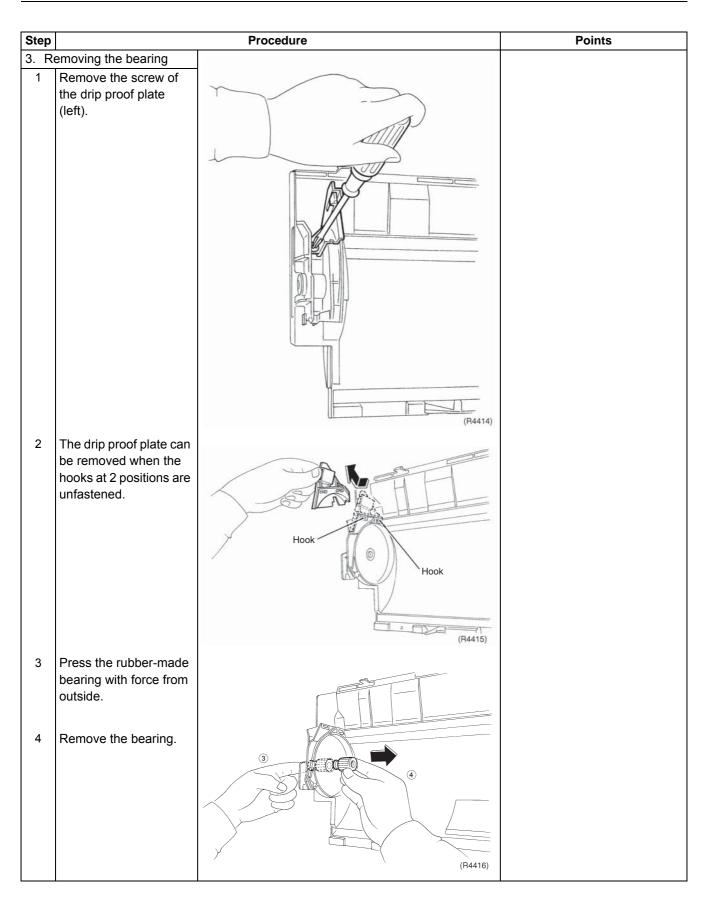
Step		Procedure	Points
	emoving the indoor unit		
1	Remove the indoor unit from the installation plate.		
	emoving the heat		
e>	cchanger Unfasten the hook of the pipe fixing plate at the back of the unit and pull out the pipe.		
2	Widen the auxiliary pipe by about 10-20 degrees.	Unbending angle 10-20 deg.	
3	Unfasten the lower hook with a flat screwdriver.	Lower hook (R4403)	Caution When dismounting or mounting the heat exchanger, be sure to wear gloves or wrap it with cloth before proceeding to the work. (You may be injured by the fins.)

Step		Procedure	Points
4	After unfastening the lower hooks, hold up the heat exchanger by its left side and lift it up toward yourself.	Hook (left)	When mounting the heat exchanger, make sure that the hook (left) is fastened.
5	When the left side is lifted, the hook at the right side comes off position.	(R444)	
6	Remove the heat exchanger.		

1.10 Removal of Fan Rotor



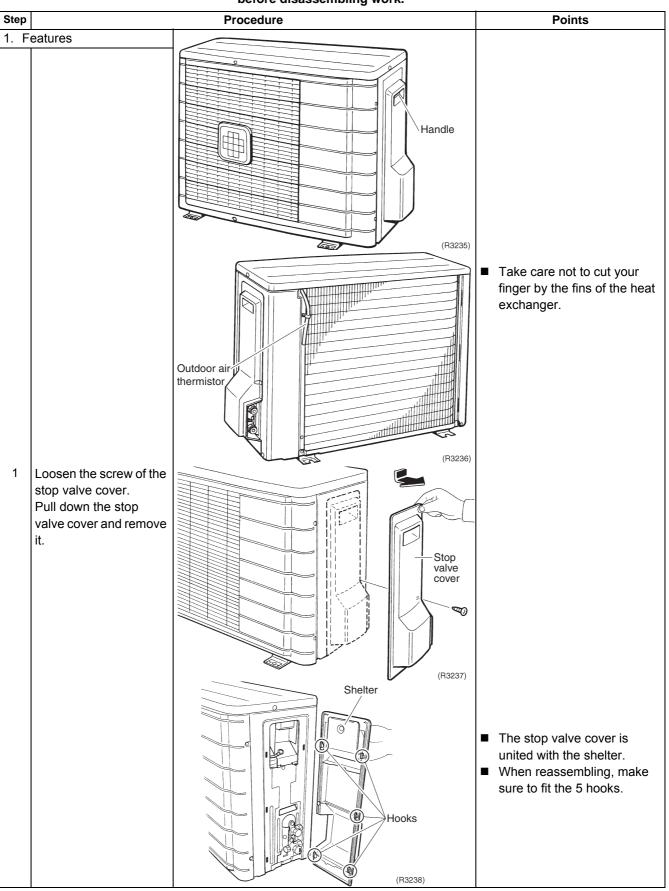
Step		Procedure	Points
4	Unfasten the hook (a) of the fan motor fixing plate with your thumb and unfasten the hook (b).	Hook (c) Hook (a) (P4410)	
5	The fan motor fixing plate can be removed from the unit when the hook (c) is unfastened.	Fan motor fixing plate Hook (c) Hook (a) Hook (b) (R4411)	
2. R	emoving the fan rotor		
1	Dislocate the fan rotor by sliding it to the right.	Fan rotor (R4412)	
2	Remove the fan rotor by loosening the lock screw.	Lock screw Fan motor (R4413)	

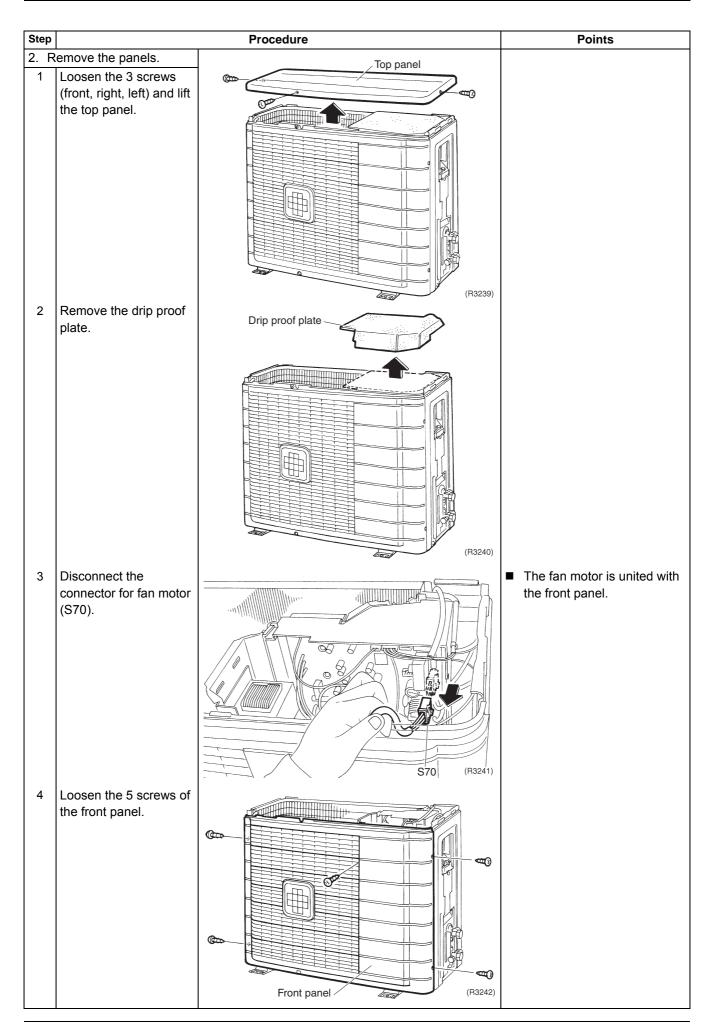


2. Outdoor Unit2.1 Removal of Panels and Fan Motor

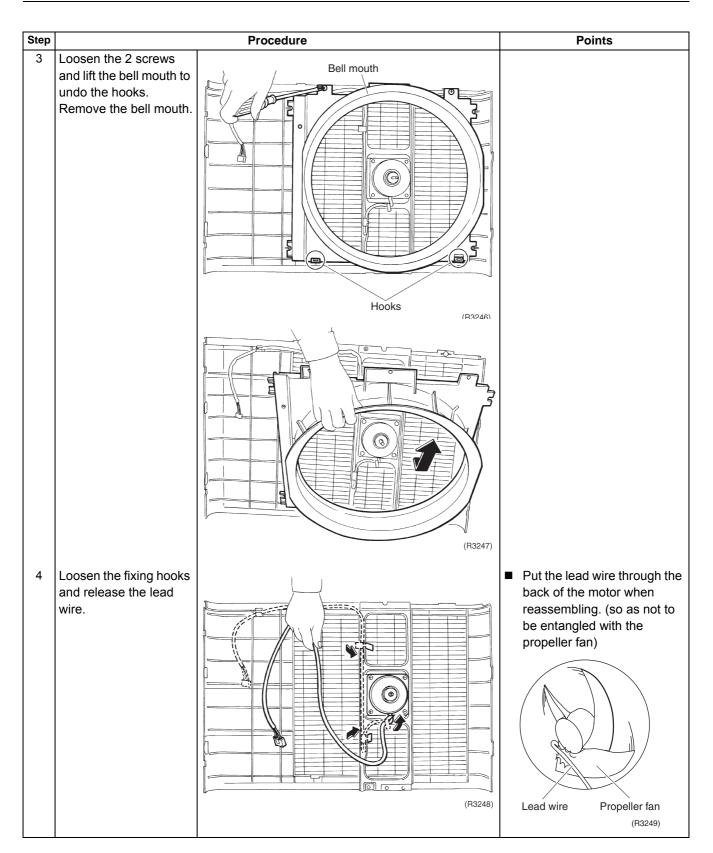
Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



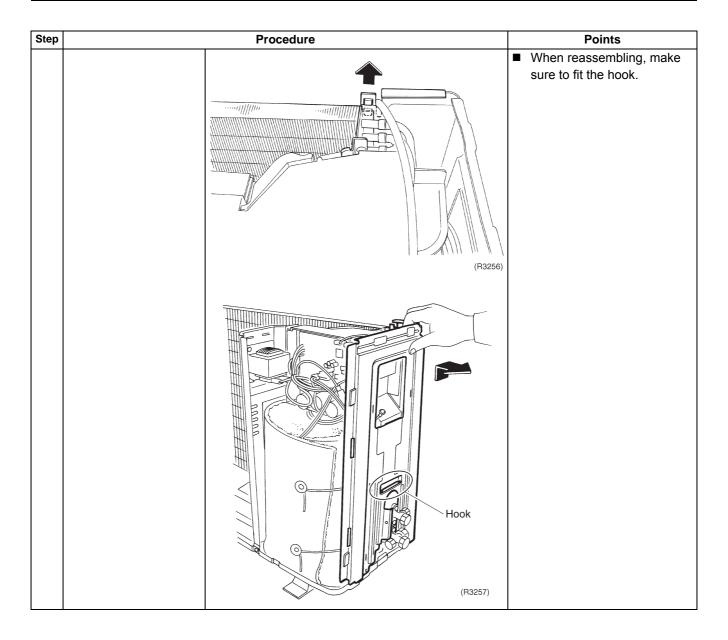


Step		Procedure	Points
5	Undo the hooks. Pull and remove the front panel.	Hooks (B3243)	 The front panel has 4 hooks. The fan motor is united with the front panel.
3. R	emove the fan motor.		The screw has reverse
1	Unscrew the washer- fitted nut (M10) of the propeller fan with a spanner.	Propeller fan (R3244)	winding.
2	Remove the propeller fan.		Align ▼ mark of the propeller fan with D-cut section of the motor shaft when reassembling.



Step		Procedure	Points
5	Loosen the 4 screws to		■ M4×16
	remove the fan motor.	Fan motor (B3250)	DC fan motor
6	Loosen the 2 screws to		
	remove the fan motor fixing frame.	Fan motor fixing frame (R3251)	

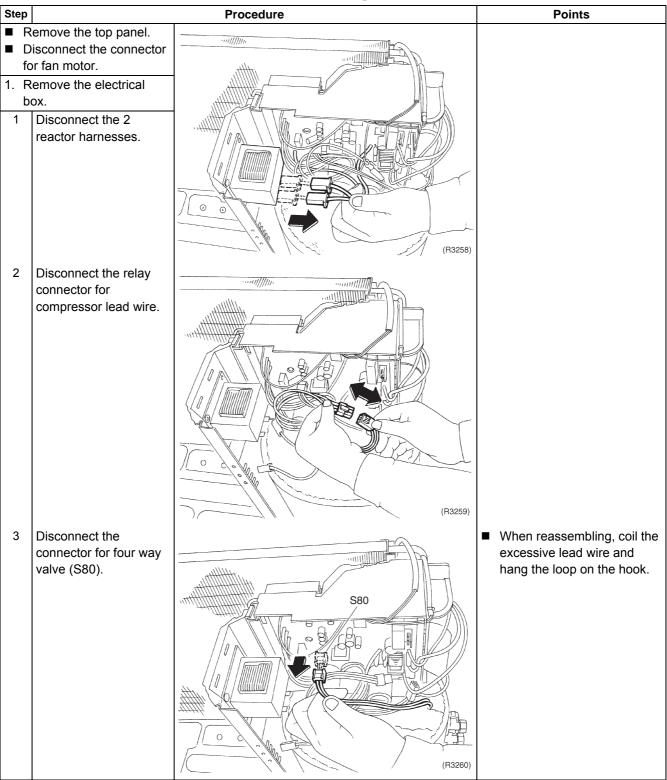
Step		Procedure	Points
4. R	emove the right side		
р	anel.		
1	Loosen the 2 screws on the rear side.		
2	Loosen the 3 screws on	(R3253)	
	the right side.	Right side panel	
3	Loosen the screw and lift the connection port to remove.	<image/>	

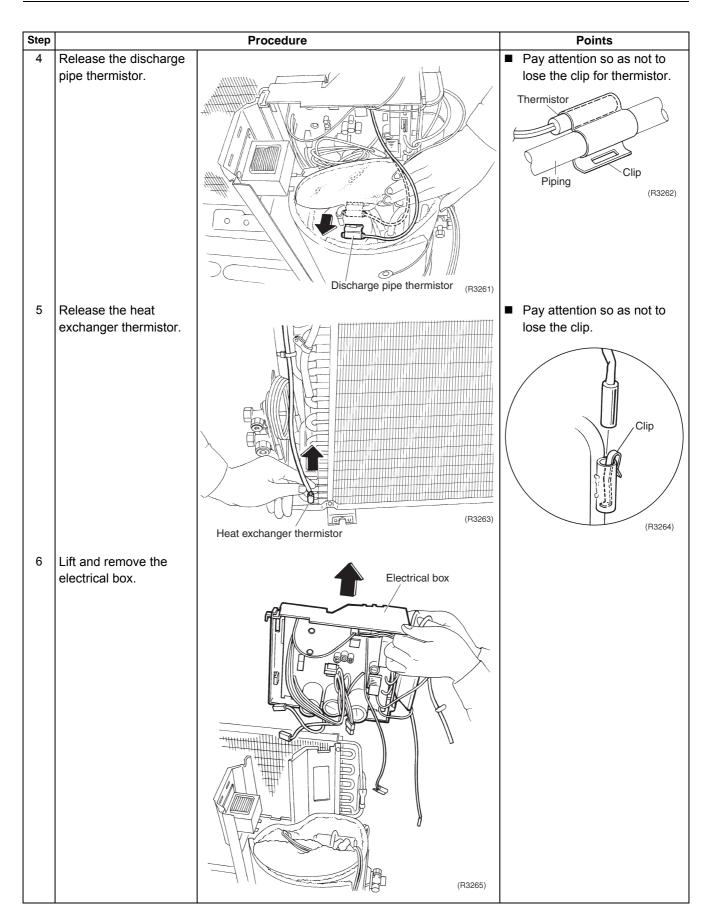


2.2 Removal of Electrical Box



Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.





2.3 Removal of Reactor and Partition Plate



Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

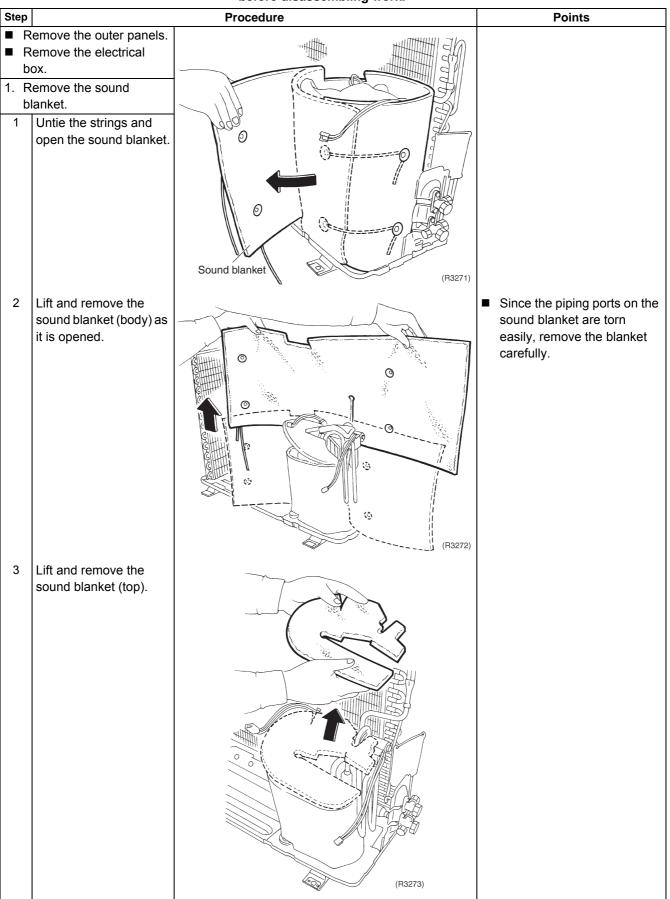
before disassembling work.			
Step	Procedure	Points	
 Remove the outer panels. Remove the electrical box. Remove the reactor. 	Reactor		
1 Loosen the screw. Lift and remove the reactor.	(R3266)		
	(R3267)		
2. Remove the partition plate.	Partition plate		
1 Loosen the 2 screws.	(F3268)		

Step		Procedure	Points
2	The partition plate has a hook on the lower side. Lift and pull the partition plate to remove.		
		Hook Hook	When reassembling, fit the lower hook into the bottom frame.

2.4 Removal of Sound Blanket



Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

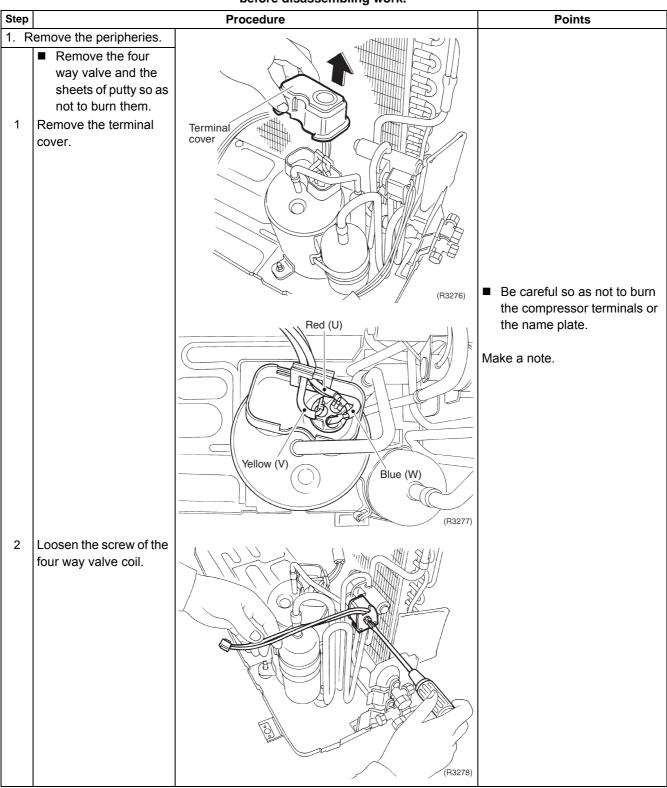


Step		Procedure	Points
4	Pull the sound blanket (inner) out.		Since the piping ports on the sound blanket are torn easily, remove the blanket carefully.
5	Pull the sound blanket (bottom) out.		

2.5 Removal of Four Way Valve

Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

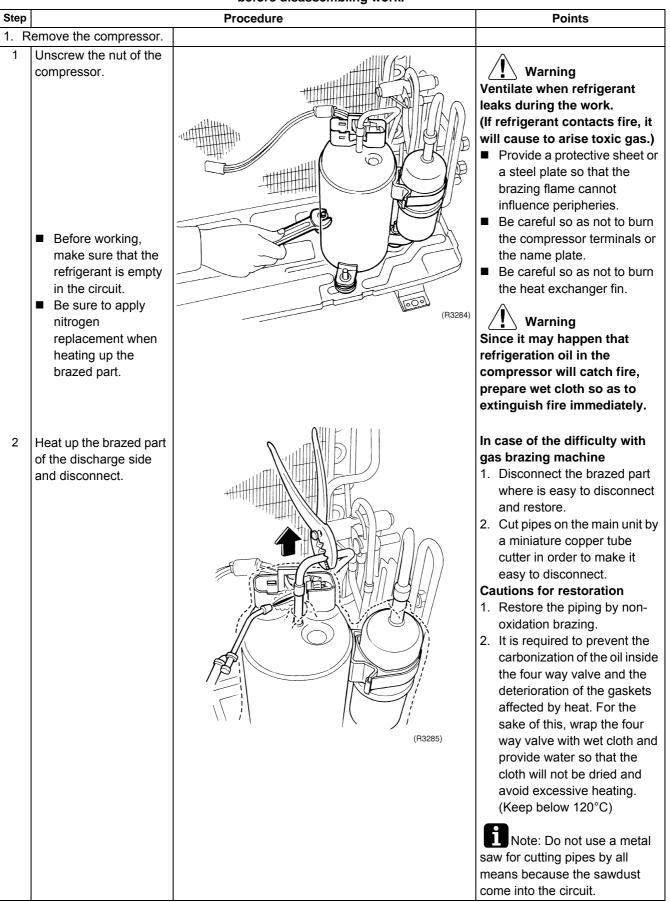


Step		Procedure	Points
3	Remove the sheets of putty. Cut the pipe with a tube cutter.	(F3279)	
		Tube cutter	
4	Heat up the brazed part and withdraw the piping with pliers.		 Provide a protective sheet or a steel plate so that the brazing flame cannot influence peripheries. Be careful so as not to break the pipes by pressing it excessively by pliers when withdrawing it.

2.6 Removal of Compressor

Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.

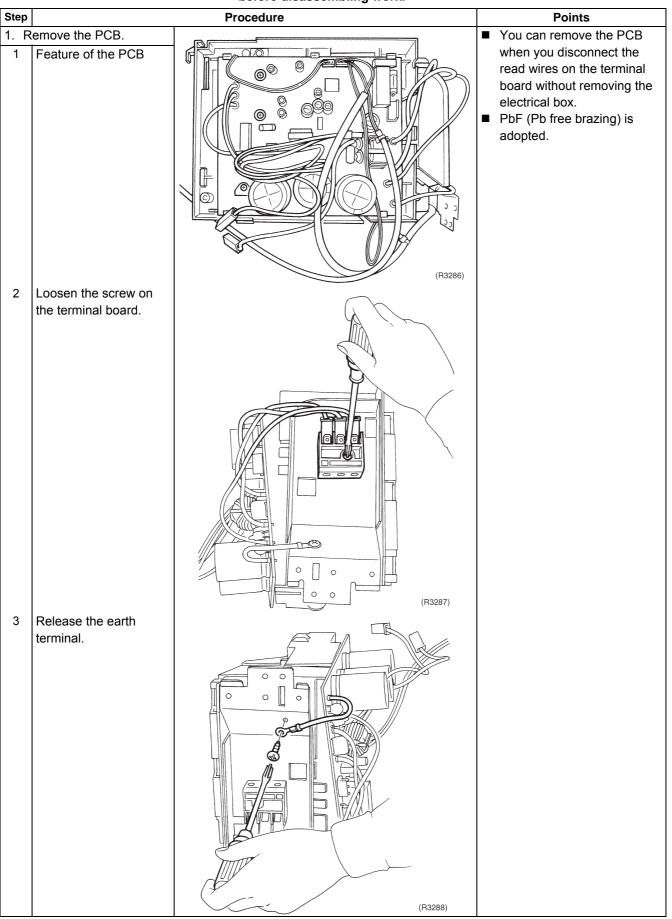


Step		Points	
3	Heat up the brazed part of the suction side and		
	disconnect.		
4	Lift the compressor up and remove it.		

2.7 Removal of PCB

Procedure

Warning Be sure to wait 10 minutes or more after turning off all power supplies before disassembling work.



Step		Procedure	Points
4	Loosen the 4 screws.	(R3289)	
5	Undo the 3 hooks on the upper side.	Hooks	
6	Lift and pull out the PCB.		

Step		Procedure	Points
7	Feature of the PCB S70: fan motor S80: four way valve S90: thermistor (outdoor air, heat exchanger, discharge pipe)	PbF (Pb free soldering) S90 Glass fuse 3.15A S70 S70 Glass fuse S80 LED A Varistor (R4591)	

Part 8 Others

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Others Test Run from the Remote Controller

For Heat pump

In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

- Trial operation may be disabled in either mode depending on the room temperature.
- After trial operation is complete, set the temperature to a normal level. (26°C to 28°C in cooling mode, 20°C to 24°C in heating mode)
- For protection, the system disables restart operation for 3 minutes after it is turned off.

For Cooling Only Select the lowest programmable temperature.

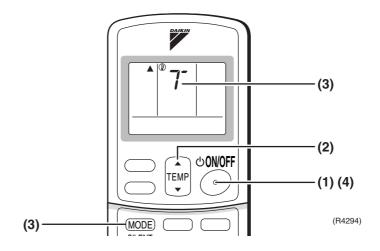
- Trial operation in cooling mode may be disabled depending on the room temperature. Use the remote control for trial operation as described below.
- After trial operation is complete, set the temperature to a normal level (26°C to 28°C).
- For protection, the machine disables restart operation for 3 minutes after it is turned off.

Trial Operation and Testing

- 1. Measure the supply voltage and make sure that it falls in the specified range.
- 2. Trial operation should be carried out in either cooling or heating mode.
- 3. Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, such as louver movement, are working properly.
- The air conditioner requires a small amount of power in its 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 will restore the original operation mode when the circuit breaker is opened again.

Trial operation from Remote Controller

- (1) Press ON/OFF button to turn on the system.
- (2) Simultaneously press centre of TEMP button and MODE buttons.
- (3) Press MODE button twice.
 - ("7" will appear on the display to indicate that Trial Operation mode is selected.)
- (4) Trial run mode terminates in approx. 30 minutes and switches into normal mode. To quit a trial operation, press ON/OFF button.



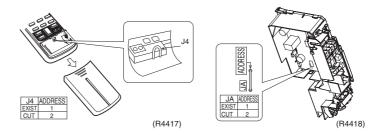
1.2 Jumper Settings

1.2.1 When Two Units are Installed in One Room

When two indoor units are installed in one room, the two wireless remote controllers can be set for different addresses.

How to set the different addresses

- Control PCB of the indoor unit
- (1) Remove the front grille. (3 screws)
- (2) Remove the electrical box (1-screw).
- (3) Remove the drip proof plate. (4 tabs)
- (4) Cut the address jumper JA on the control PCB.
- Wireless remote controller
- (1) Slide the front cover and take it off.
- (2) Cut the address jumper J4.



1.2.2 Jumper Setting

Jumper (On indoor control PCB)	Function	When connected (factory set)	When cut
JC	Power failure recovery function	Auto-restart	Unit does not resume operation after recovering from a power failure. Timer ON-OFF settings are cleared.
JB	Fan speed setting when compressor is OFF on thermostat.	Fan speed setting ; Remote controller setting	Fan rpm is set to "0" <fan stop=""></fan>

Part 9 Appendix

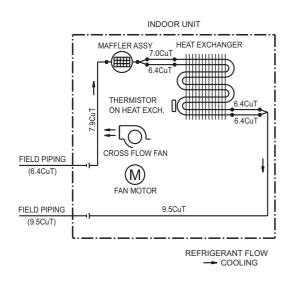
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2.1 Indoor Units	
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	1.2 Outdoor UnitsWiring Diagrams2.1 Indoor Units

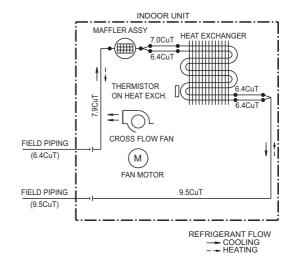
1. Piping Diagrams

1.1 Indoor Units

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FTXS20/25/35DVMW(L), FTXS20/25/35DVMW9, FTXS20/25/35D2VMW(L), FTXS20/25/35DAVMW(L), FTXS20/25/35D3VMW(L)



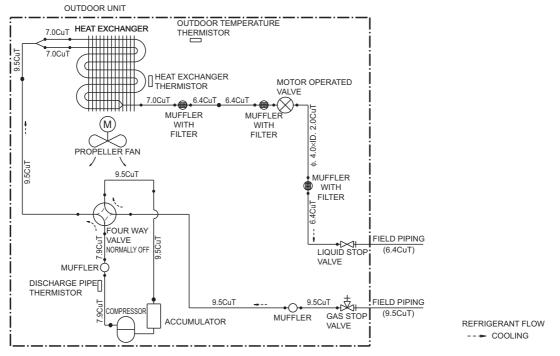


4D047912C

4D050757

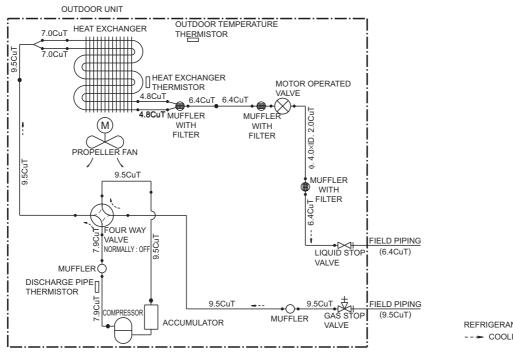
Outdoor Units 1.2 1.2.1 **Cooling Only**

RKS20/25DVMB, RKS20/25D2VMB, RKS20/25D3VMB



3D047317A

RKS35DVMB, RKS35D2VMB, RKS35D3VMB

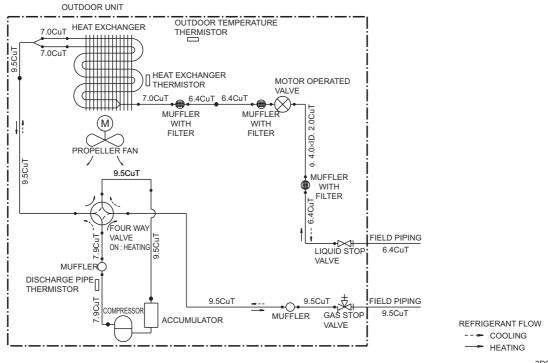


REFRIGERANT FLOW --- - COOLING

3D047318A

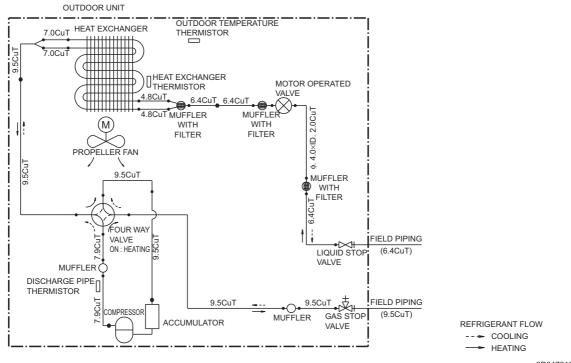
1.2.2 Heat Pump

RXS20/25DVMB, RXS20/25D2VMB, RXS20/25D3VMB



3D047315A

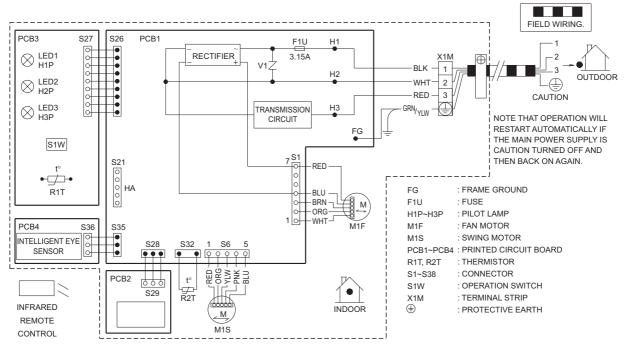
RXS35DVMB, RXS35D2VMB, RXS35D3VMB



3D047316A

2. Wiring Diagrams 2.1 Indoor Units

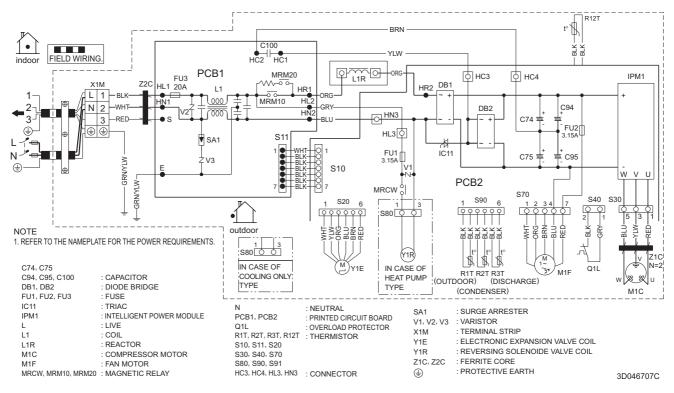
FTK(X)S20/25/35DVMBW(L), FTK(X)S20/25/35DVMW9, FTK(X)S20/25/35D2VMW(L), FTK(X)S20/25/35DAVMW(L), FTK(X)S20/25/35D3VMW(L)



3D051268A

2.2 Outdoor Units

RK(X)S20/25/35DVMB, RK(X)S20/25/35D2VMB, RK(X)S20/25/35D3VMB



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Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues.

For several years Daikin has had the intension to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

DAIKIN EUROPE N.V.

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Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

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ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the European Directory. Eurovent Directory.

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