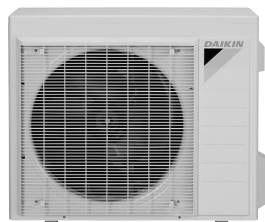
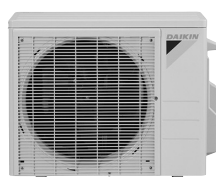
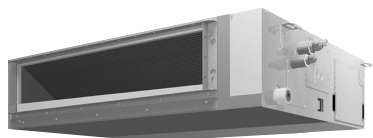
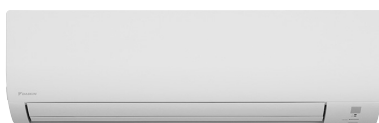
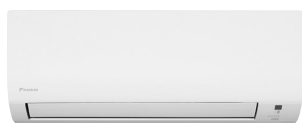


Service Manual

Inverter Pair
Wall Mounted Type FTX-N/U Series
Floor Standing Type FVXS-V Series
Duct Connected Type FDMQ-R Series



[Applied Models]
●Inverter Pair : Heat Pump

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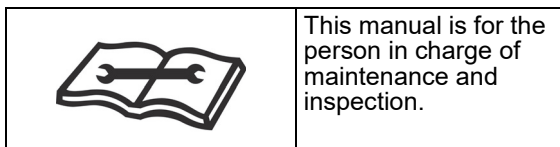
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1. Safety Cautions

Be sure to read the following safety cautions before conducting repair work.

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



Caution Items

The caution items are classified into **Warning** and **Caution**. The **Warning** items are especially important since death or serious injury can result 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.

Pictograms

△ 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 in the illustration or near the symbol.

● This symbol indicates an action that must be taken, or an instruction.

The instruction is shown in the illustration or near the symbol.

1.1 Warnings and Cautions Regarding Safety of Workers

 Warning	
Do not store equipment in a room with fire sources (e.g., naked flames, gas appliances, electric heaters).	
Be sure to disconnect the power cable from the socket before disassembling equipment for repair. Working on equipment that is connected to the power supply may cause an electrical shock. If it is necessary to supply power to the equipment to conduct the repair or inspect the circuits, do not touch any electrically charged sections of the equipment.	
If refrigerant gas is discharged during repair work, do not touch the discharged refrigerant gas. Refrigerant gas may cause frostbite.	
When disconnecting the suction or discharge pipe of the compressor at the welded section, evacuate the refrigerant gas completely at a well-ventilated place first. If there is gas remaining inside the compressor, the refrigerant gas or refrigerating machine oil discharges when the pipe is disconnected, and it may cause injury.	
If refrigerant gas leaks during repair work, ventilate the area. Refrigerant gas may generate toxic gases when it contacts flames.	

 Warning	
Be sure to discharge the capacitor completely before conducting repair work. The step-up capacitor supplies high-voltage electricity to the electrical components of the outdoor unit. A charged capacitor may cause an electrical shock.	
Do not turn the air conditioner on or off by plugging in or unplugging the power cable. Plugging in or unplugging the power cable to operate the equipment may cause an electrical shock or fire.	
Be sure to wear a safety helmet, gloves, and a safety belt when working in a high place (more than 2 m (6.5 ft)). Insufficient safety measures may cause a fall.	
In case of R-32 / R-410A refrigerant models, be sure to use pipes, flare nuts and tools intended for the exclusive use with the R-32 / R-410A refrigerant. The use of materials for R-22 refrigerant models may cause a serious accident, such as a damage of refrigerant cycle or equipment failure.	
Do not mix air or gas other than the specified refrigerant (R-32 / R-410A / R-22) in the refrigerant system. If air enters the refrigerant system, an excessively high pressure results, causing equipment damage and injury.	

 Caution	
Do not repair electrical components with wet hands. Working on the equipment with wet hands may cause an electrical shock.	
Do not clean the air conditioner with water. Washing the unit with water may cause an electrical shock.	
Be sure to provide an earth / grounding when repairing the equipment in a humid or wet place, to avoid electrical shocks.	
Be sure to turn off the power switch and unplug the power cable when cleaning the equipment. The internal fan rotates at a high speed, and may cause injury.	
Be sure to conduct repair work with appropriate tools. The use of inappropriate tools may cause injury.	

 Caution	
Be sure to check that the refrigerating cycle section has cooled down enough before conducting repair work. Working on the unit when the refrigerating cycle section is hot may cause burns.	
Conduct welding work in a well-ventilated place. Using the welder in an enclosed room may cause oxygen deficiency.	

1.2 Warnings and Cautions Regarding Safety of Users

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

 Warning	
Do not mix air or gas other than the specified refrigerant (R-32 / R-410A / R-22) in the refrigerant system. If air enters the refrigerant system, an excessively high pressure results, causing equipment damage and injury.	
If the refrigerant gas leaks, be sure to locate the leaking point and repair it before charging the refrigerant. After charging the refrigerant, make sure that there is no leak. If the leaking point cannot be located and the repair work must be stopped, be sure to pump-down, and close the service valve, to prevent refrigerant gas from leaking into the room. Refrigerant gas itself is harmless, but it may generate toxic gases when it contacts flames, such as those from fan type and other heaters, stoves and ranges.	
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 or the installation work is not conducted securely, the equipment may fall and cause injury.	
Check to make sure that the power cable plug is not dirty or loose, then insert the plug into a power outlet securely. If the plug is dusty or has a loose connection, it may cause an electrical shock or fire.	
When replacing the coin battery in the remote controller, be sure to dispose of the old battery to prevent children from swallowing it. If a child swallows the coin battery, see a doctor immediately.	

 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 combustible gas leaks and remains around the unit, it may cause a fire.	
Check to see if parts and wires are mounted and connected properly, and if connections at the soldered or crimped terminals are secure. Improper installation and connections may cause excessive heat generation, fire or an electrical shock.	
If the installation platform or frame has corroded, replace it. A corroded installation platform or frame may cause the unit to fall, resulting in injury.	
Check the earth / grounding, and repair it if the equipment is not properly earthed / grounded. Improper earth / grounding may cause an electrical shock.	

 Caution	
Be sure to measure insulation resistance after the repair, and make sure that the resistance is 1 MΩ or higher. Faulty insulation may cause an electrical shock.	
Be sure to check the drainage of the indoor unit after the repair. Faulty drainage may cause water to enter the room and wet the furniture and floor.	
Do not tilt the unit when removing it. The water inside the unit may spill and wet the furniture and floor.	

2. Icons Used

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

Icon	Type of Information	Description
 Warning	Warning	Warning is used when there is danger of personal injury.
 Caution	Caution	Caution is used when there is danger that the reader, through incorrect manipulation, may damage equipment, lose data, get an unexpected result or have to restart (part of) a procedure.
 Note	Note	Note provides information that is not indispensable, but may nevertheless be valuable to the reader, such as tips and tricks.
 Reference	Reference	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.

3. Revision History

Month/Year	Version	Revised contents
02 / 2016	SiUS091601E	First edition
10 / 2019	SiUS091601EA	Model addition: FTX18/24UVJU, FDMQ12/18/24RVJU, RXL12QMVJU9, RXL18/24UMVJU
06 / 2020	SiUS091601EB	Model addition: RXL15QMVJUA, RXL18/24UMVJUA
09 / 2020	SiUS091601EC	Specification update
03 / 2022	SiUS091601ED	Model addition: FTX09/12/15NMVJUA, RXL09QMVJUA, RXL12QMVJU9A

Part 1

General Information

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1. Applicable Models

Indoor Unit

FTX09NMVJU	FVXS09NVJU	FDMQ12RVJU
FTX09NMVJUA	FVXS12NVJU	FDMQ18RVJU
FTX12NMVJU	FVXS15NVJU	FDMQ24RVJU
FTX12NMVJUA		
FTX15NMVJU		
FTX15NMVJUA		
FTX18UVJU		
FTX24UVJU		

Outdoor Unit

RXL09QMVJU
RXL09QMVJUA
RXL12QMVJU
RXL12QMVJU9
RXL12QMVJU9A
RXL15QMVJU
RXL15QMVJUA
RXL18UMVJU
RXL18UMVJUA
RXL24UMVJU
RXL24UMVJUA

2. Functions

Category	Functions	FTX				FVXS	FDMQ	
		09	12	15	18/24		Wired R/C	Wireless R/C
Basic Function	Inverter (with inverter power control)	●	●	●	●	●	●	●
	Operation limit	Refer to page 253						
	PAM control	●	●	●	●	●	●	●
	Standby electricity saving	●	●★1	●	—	—	—	—
Compressor	Swing compressor	●	●	●	●	●	●	●
	Reluctance DC motor	●	●	●	●	●	●	●
Comfortable Airflow	Power-airflow flap (horizontal blade)	●	●	—	—	●	—	—
	Power-airflow dual flaps (horizontal blades)	—	—	●	●	—	—	—
	Wide-angle louvers (vertical blades)	●	●	●	●	●	—	—
	Auto-swing (up and down)	●	●	●	●	●	—	—
	Auto-swing (right and left)	—	—	—	●	—	—	—
	3-D airflow	—	—	—	●	—	—	—
	COMFORT AIRFLOW operation	●	●	●	●	—	—	—
Comfort Control	Auto fan speed	●	●	●	●	●	●	—
	Switchable fan speed	5 steps	5 steps	5 steps	5 steps	5 steps	3 steps	3 steps
	Indoor unit quiet operation	●	●	●	●	●	—	—
	OUTDOOR UNIT QUIET operation (manual)	—	—	—	●	●	—	—
	INTELLIGENT EYE operation (auto energy saving)	—	—	—	●	—	—	—
	2 selectable temperature sensors	—	—	—	—	—	●	—
	Quick warming function	●	●	●	●	—	●	●
	Hot-start function	●	●	●	●	●	●	●
Operation	Automatic defrosting	●	●	●	●	●	●	●
	Automatic cooling/heating changeover	●	●	●	●	●	●	●
	Program dry operation	●	●	●	●	●	●	●
Lifestyle Convenience	Fan only	●	●	●	●	●	●	●
	Inverter POWERFUL operation	●	●	●	●	●	—	—
	ECONO operation	●	●	●	●	●	—	—
	Indoor unit ON/OFF switch	●	●	●	●	●	—	—
	Emergency operation switch	—	—	—	—	—	—	●
Health and Cleanliness	Signal receiving sign	●	●	●	●	●	—	●★2
	Titanium apatite deodorizing filter	●	●	●	●	●	—	—
	Air filter (prefilter)	●	●	●	●	●	—	—
	Wipe-clean flat panel	●	●	●	●	●	—	—
	Silver ion anti-bacterial drain pan	—	—	—	—	—	●	●
Remote Control & Timer	Filter cleaning indicator	—	—	—	—	—	●	●
	WEEKLY TIMER operation	—	—	—	●	●	—	—
	Schedule timer	—	—	—	—	—	●	—
	24-hour ON/OFF TIMER	—	—	—	●	●	●	—
	72-hour ON/OFF TIMER	—	—	—	—	—	—	●
	Count up-down ON/OFF timer	●	●	●	—	—	—	●
	Off timer (turns unit off after set time)	—	—	—	—	—	●	—
	Setpoint auto reset	—	—	—	—	—	●	—
	Setpoint range set	—	—	—	—	—	●	—
	NIGHT SET mode	●	●	●	●	●	—	—
	Remote controller with back light	●	●	●	●	●	●	—
	DIII-NET compatible (adaptor)	Option	Option	Option	Option	Option	Option	Option
	Wireless LAN connection	Option	Option	Option	Option	Option	—	—

Category	Functions	FTX				FVXS	FDMQ	
		09	12	15	18/24		Wired R/C	Wireless R/C
Worry Free (Reliability & Durability)	Auto-restart (after power failure)	●	●	●	●	●	●	●
	Self-diagnosis (R/C, LED)	●	●	●	●	●	●	●
	Anti-corrosion treatment of outdoor heat exchanger	●	●	●	●	●	●	●
Work & Servicing	Multi-split/split type compatible indoor unit	—	—	—	—	●	●	●
	Chargeless	32.8 ft. (10m)	32.8 ft. (10m)	32.8 ft. (10m)	32.8 ft. (10m)	32.8 ft. (10m)	32.8 ft. (10m)	32.8 ft. (10m)
	Drain pump	—	—	—	—	—	●	●
	Either side drain (right or left)	●	●	●	●	—	—	—
	Low temperature cooling operation	−4°F ★3 (−20°C)	−4°F ★3 (−20°C)	−4°F ★3 (−20°C)	−4°F ★3 (−20°C)	−4°F ★3 (−20°C)	−4°F ★3 (−20°C)	−4°F ★3 (−20°C)
	°F/°C changeover R/C temperature display (factory setting: °F)	●	●	●	●	●	●	— (°F only)

● : Available

— : Not available

★1 : Not available with RXL12QMVJU9

★2 : Receiving sound only

★3 : Below 50°F (10°C): Needs setting on outdoor unit.

09/12/15 class cutting jumper on the main PCB

18/24 class switch on the service monitor PCB

Below 14°F (−10°C): Need to install the air direction adjustment grille.

Part 2

Specifications

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1. Specifications

Model	Indoor Unit Outdoor Unit		FTX09NMVJU		FTX09NMVJUA	
			RXL09QMVJU		RXL09QMVJUA	
			Cooling	Heating	Cooling	Heating
Power Supply			1 φ, 60 Hz, 208 - 230 V		1 φ, 60 Hz, 208 - 230 V	
Capacity Rated (Min. ~ Max.)		kW	2.64 (1.30 ~ 3.20)		2.64 (1.30 ~ 3.20)	
		Btu/h	9,000 (4,400 ~ 10,900)		9,000 (4,400 ~ 10,900)	
		kcal/h	2,270 (1,120 ~ 2,750)		2,270 (1,120 ~ 2,750)	
Moisture Removal		gal/h	0.32		0.32	
Running Current (Rated)		A	3.76 - 3.40		3.76 - 3.40	
Power Consumption Rated (Min. ~ Max.)		W	720 (250 ~ 1,180)		720 (250 ~ 1,180)	
Power Factor (Rated)		%	92.1 - 92.1		92.1 - 92.1	
COP Rated (Min. ~ Max.)		W/W	3.66 (5.20 ~ 2.70)		3.66 (5.20 ~ 2.70)	
EER Rated (Min. ~ Max.)		Btu/h-W	12.5 (17.6 ~ 9.2)		12.5 (17.6 ~ 9.2)	
SEER / HSPF			20.0		20.0	
Piping Connections	Liquid	in. (mm)	φ 1/4 (φ 6.4)		φ 1/4 (φ 6.4)	
	Gas	in. (mm)	φ 3/8 (φ 9.5)		φ 3/8 (φ 9.5)	
	Drain	in. (mm)	φ 5/8 (φ 16.0)		φ 5/8 (φ 16.0)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length		ft (m)	65-5/8 (20)		65-5/8 (20)	
Max. Interunit Height Difference		ft (m)	49-1/4 (15)		49-1/4 (15)	
Chargeless		ft (m)	32-13/16 (10)		32-13/16 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)		0.21 (20)	
Indoor Unit			FTX09NMVJU		FTX09NMVJUA	
Front Panel Color			White		White	
Airflow Rate	H	cfm (m³/min)	417 (11.8)	403 (11.4)	417 (11.8)	403 (11.4)
	M		297 (8.4)	328 (9.3)	297 (8.4)	328 (9.3)
	L		244 (6.9)	251 (7.1)	244 (6.9)	251 (7.1)
	SL		141 (4.0)	215 (6.1)	141 (4.0)	215 (6.1)
Fan	Type / Motor Output	W	Cross Flow Fan / 21		Cross Flow Fan / 21	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof	
Running Current (Rated)		A	0.25 - 0.23	0.23 - 0.21	0.25 - 0.23	0.23 - 0.21
Power Consumption (Rated)		W	28 - 28	25 - 25	28 - 28	25 - 25
Power Factor (Rated)		%	53.8 - 52.9	52.3 - 51.8	53.8 - 52.9	52.3 - 51.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-1/4 × 30-5/16 × 8-3/4 (285 × 770 × 223)		11-1/4 × 30-5/16 × 8-3/4 (285 × 770 × 223)	
Packaged Dimensions (H × W × D)		in. (mm)	14-3/16 × 32-11/16 × 12 (360 × 831 × 305)		14-3/16 × 32-11/16 × 12-5/8 (320 × 830 × 360)	
Weight (Mass)		Lbs (kg)	18 (8)		18 (8)	
Gross Weight (Gross Mass)		Lbs (kg)	24 (11)		24 (11)	
Sound Pressure Level	H / M / L / SL	dB(A)	43 / 36 / 30 / 19	43 / 36 / 29 / 25	43 / 36 / 30 / 19	43 / 36 / 29 / 25
Outdoor Unit			RXL09QMVJU		RXL09QMVJUA	
Casing Color			Ivory White		Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin (PE) / φ 7 mm Hi-XD Tube		Waffle Fin (PE) / φ 7 mm Hi-XSL Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		1YC23AUXD		1YC23AUXD	
	Motor Output	W	790		790	
Refrigerant Oil	Type / Charge	oz (L)	FVC50K / 12.68 (0.375)		FVC50K / 12.68 (0.375)	
Refrigerant	Type / Charge	Lbs (kg)	R-410A / 2.09 (0.95)		R-410A / 2.09 (0.95)	
Airflow Rate	H	cfm (m³/min)	1,105 (31.3)	922 (26.1)	1,105 (31.3)	922 (26.1)
	SL		865 (24.5)	777 (22.0)	865 (24.5)	777 (22.0)
Fan	Type / Motor Output	W	Propeller / 18		Propeller / 18	
Running Current (Rated)		A	3.51 - 3.17	3.72 - 3.36	3.51 - 3.17	3.72 - 3.36
Power Consumption (Rated)		W	692 - 692	735 - 735	692 - 692	735 - 735
Power Factor (Rated)		%	94.8 - 94.9	95.1 - 95.1	94.8 - 94.9	95.1 - 95.1
Starting Current		A	3.95		3.95	
Dimensions (H × W × D)		in. (mm)	21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)		21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)	
Packaged Dimensions (H × W × D)		in. (mm)	24-3/4 × 32-11/16 × 16 (629 × 830 × 407)		23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)	
Weight (Mass)		Lbs (kg)	60 (27)		63 (29)	
Gross Weight (Gross Mass)		Lbs (kg)	71 (32)		68 (31)	
Sound Pressure Level	H	dB(A)	49	49	49	49
Conditions Based on			Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)
Drawing No.			C: 3D101720		C: 3D137034	
Notes			SL: The quiet fan level of the airflow rate setting.		SL: The quiet fan level of the airflow rate setting.	

Conversion Formulae

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

Model	Indoor Unit		FTX12NMVJU		FTX12NMVJU	
	Outdoor Unit		RXL12QMJVJU		RXL12QMJVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ, 60 Hz, 208 - 230 V		1 ϕ, 60 Hz, 208 - 230 V	
Capacity Rated (Min. ~ Max.)		kW	3.20 (1.30 ~ 3.90)	4.00 (1.30 ~ 5.50)	3.11 (1.30 ~ 3.90)	3.93 (1.30 ~ 5.50)
		Btu/h	10,900 (4,400 ~ 13,300)	13,600 (4,400 ~ 18,800)	10,600 (4,400 ~ 13,300)	13,400 (4,400 ~ 18,800)
		kcal/h	2,750 (1,120 ~ 3,350)	3,440 (1,120 ~ 4,730)	2,670 (1,120 ~ 3,350)	3,380 (1,120 ~ 4,730)
Moisture Removal		gal/h	0.45	—	0.42	—
Running Current (Rated)		A	4.36 - 3.94	5.10 - 4.61	4.26 - 3.85	5.12 - 4.63
Power Consumption Rated (Min. ~ Max.)		W	870 (280 ~ 1,390)	1,025 (240 ~ 1,660)	850 (280 ~ 1,390)	1,030 (240 ~ 1,660)
Power Factor (Rated)		%	96.0 - 96.0	96.7 - 96.7	96.0 - 96.0	96.7 - 96.7
COP Rated (Min. ~ Max.)		W/W	3.68 (4.64 ~ 2.80)	3.90 (5.42 ~ 3.30)	3.66 (4.64 ~ 2.80)	3.80 (5.42 ~ 3.30)
EER Rated (Min. ~ Max.)		Btu/h-W	12.5 (15.7 ~ 9.6)	13.3 (18.3 ~ 11.3)	12.5 (15.7 ~ 9.6)	13.0 (18.3 ~ 11.3)
SEER / HSPF			20.0	12.0	20.0	12.0
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 3/8 (ϕ 9.5)		ϕ 3/8 (ϕ 9.5)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16.0)		ϕ 5/8 (ϕ 16.0)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length		ft (m)	65-5/8 (20)		65-5/8 (20)	
Max. Interunit Height Difference		ft (m)	49-1/4 (15)		49-1/4 (15)	
Chargeless		ft (m)	32-13/16 (10)		32-13/16 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)		0.21 (20)	
Indoor Unit			FTX12NMVJU		FTX12NMVJU	
Front Panel Color			White		White	
Airflow Rate	H	cfm (m³/min)	434 (12.3)	413 (11.7)	434 (12.3)	413 (11.7)
	M		311 (8.8)	321 (9.1)	311 (8.8)	321 (9.1)
	L		247 (7.0)	258 (7.3)	247 (7.0)	258 (7.3)
	SL		145 (4.1)	219 (6.2)	145 (4.1)	219 (6.2)
Fan	Type / Motor Output	W	Cross Flow Fan / 28		Cross Flow Fan / 28	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof	
Running Current (Rated)		A	0.28 - 0.25	0.25 - 0.23	0.28 - 0.25	0.25 - 0.23
Power Consumption (Rated)		W	31 - 31	28 - 28	31 - 31	28 - 28
Power Factor (Rated)		%	53.2 - 53.9	53.8 - 52.9	53.2 - 53.9	53.8 - 52.9
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-1/4 × 30-5/16 × 8-3/4 (285 × 770 × 223)		11-1/4 × 30-5/16 × 8-3/4 (285 × 770 × 223)	
Packaged Dimensions (H × W × D)		in. (mm)	14-3/16 × 32-11/16 × 12 (360 × 831 × 305)		14-3/16 × 32-11/16 × 12 (360 × 831 × 305)	
Weight (Mass)		Lbs (kg)	18 (8)		18 (8)	
Gross Weight (Gross Mass)		Lbs (kg)	25 (12)		25 (12)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 37 / 30 / 19	45 / 37 / 30 / 26	45 / 37 / 30 / 19	45 / 37 / 30 / 26
Outdoor Unit			RXL12QMJVJU		RXL12QMJVJU9	
Casing Color			Ivory White		Ivory White	
Heat Exchanger		Fin / Spec. Tube	Waffle Fin (PE) / ϕ 7 mm Hi-XD Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XD Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC36PXD		2YC36PXD	
	Motor Output	W	1,100		1,100	
Refrigerant Oil		Type / Charge	FVC50K / 21.5 (0.650)		FVC50K / 21.5 (0.650)	
Refrigerant		Type / Charge	R-410A / 2.09 (0.95)		R-410A / 2.09 (0.95)	
Airflow Rate	H	cfm (m³/min)	1,144 (32.4)	1,006 (28.5)	1,144 (32.4)	1,006 (28.5)
	SL		865 (24.5)	777 (22.0)	865 (24.5)	777 (22.0)
Fan	Type / Motor Output	W	Propeller / 20		Propeller / 20	
Running Current (Rated)		A	4.08 - 3.69	4.85 - 4.38	3.98 - 3.60	4.87 - 4.40
Power Consumption (Rated)		W	839 - 839	997 - 997	819 - 819	1002 - 1002
Power Factor (Rated)		%	98.9 - 98.9	98.9 - 99.0	98.9 - 98.9	98.9 - 99.0
Starting Current		A	4.94		4.94	
Dimensions (H × W × D)		in. (mm)	21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)		21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)	
Packaged Dimensions (H × W × D)		in. (mm)	24-3/4 × 32-11/16 × 16 (629 × 830 × 407)		24-3/4 × 32-11/16 × 16 (629 × 830 × 407)	
Weight (Mass)		Lbs (kg)	70 (32)		70 (32)	
Gross Weight (Gross Mass)		Lbs (kg)	80 (36)		80 (36)	
Sound Pressure Level		H	50	50	50	50
Conditions Based on			Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)
Drawing No.			C: 3D101721		C: 3D123801A	
Notes			SL: The quiet fan level of the airflow rate setting.		SL: The quiet fan level of the airflow rate setting.	

Conversion Formulae

kcal/h = kW $\times$ 860
 Btu/h = kW $\times$ 3412
 cfm = m³/min $\times$ 35.3

Model	Indoor Unit		FTX12NMVJUA	
	Outdoor Unit		RXL12QMVJU9A	
			Cooling	Heating
Power Supply			1 ϕ, 60 Hz, 208 - 230 V	
Capacity Rated (Min. ~ Max.)		kW	3.11 (1.30 ~ 3.90)	3.93 (1.30 ~ 5.50)
		Btu/h	10,600 (4,400 ~ 13,300)	13,400 (4,400 ~ 18,800)
		kcal/h	2,670 (1,120 ~ 3,350)	3,380 (1,120 ~ 4,730)
Moisture Removal		gal/h	0.42	—
Running Current (Rated)		A	4.26 - 3.85	5.12 - 4.63
Power Consumption Rated (Min. ~ Max.)		W	850 (280 ~ 1,390)	1,030 (240 ~ 1,560)
Power Factor (Rated)		%	96.0 - 96.0	96.7 - 96.7
COP Rated (Min. ~ Max.)		W/W	3.66 (4.64 ~ 2.80)	3.80 (5.42 ~ 3.52)
EER Rated (Min. ~ Max.)		Btu/h-W	12.5 (15.7 ~ 9.6)	13.0 (18.3 ~ 12.1)
SEER / HSPF			20.0	12.0
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 3/8 (ϕ 9.5)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16.0)	
Heat Insulation			Both Liquid and Gas Pipes	
Max. Interunit Piping Length		ft (m)	65-5/8 (20)	
Max. Interunit Height Difference		ft (m)	49-1/4 (15)	
Chargeless		ft (m)	32-13/16 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)	
Indoor Unit			FTX12NMVJUA	
Front Panel Color			White	
Airflow Rate	H	cfm (m³/min)	434 (12.3)	413 (11.7)
	M		311 (8.8)	321 (9.1)
	L		247 (7.0)	258 (7.3)
	SL		145 (4.1)	219 (6.2)
Fan	Type / Motor Output	W	Cross Flow Fan / 28	
	Speed	Steps	5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable, Mildew Proof	
Running Current (Rated)		A	0.28 - 0.25	0.25 - 0.23
Power Consumption (Rated)		W	31 - 31	28 - 28
Power Factor (Rated)		%	53.2 - 53.9	53.8 - 52.9
Temperature Control			Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-1/4 × 30-5/16 × 8-3/4 (285 × 770 × 223)	
Packaged Dimensions (H × W × D)		in. (mm)	14-3/16 × 32-11/16 × 12-5/8 (320 × 830 × 360)	
Weight (Mass)		Lbs (kg)	20 (9)	
Gross Weight (Gross Mass)		Lbs (kg)	25 (12)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 37 / 30 / 19	45 / 37 / 30 / 26
Outdoor Unit			RXL12QMVJU9A	
Casing Color			Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XSL Tube	
Compressor	Type		Hermetically Sealed Swing Type	
	Model		2YC36PXD	
	Motor Output	W	1,100	
Refrigerant Oil	Type / Charge	oz (L)	FVC50K / 21.5 (0.650)	
Refrigerant	Type / Charge	Lbs (kg)	R-410A / 2.09 (0.95)	
Airflow Rate	H	cfm (m³/min)	1,144 (32.4)	1,031 (29.2)
	SL		865 (24.5)	777 (22.0)
Fan	Type / Motor Output	W	Propeller / 20	
Running Current (Rated)		A	3.98 - 3.60	4.87 - 4.40
Power Consumption (Rated)		W	819 - 819	1,002 - 1,002
Power Factor (Rated)		%	98.9 - 98.9	98.9 - 99.0
Starting Current		A	—	
Dimensions (H × W × D)		in. (mm)	21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)	
Packaged Dimensions (H × W × D)		in. (mm)	23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)	
Weight (Mass)		Lbs (kg)	73 (33)	
Gross Weight (Gross Mass)		Lbs (kg)	78 (35)	
Sound Pressure Level	H	dB(A)	50	50
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)
Drawing No.			C: 3D137035	
Notes			SL: The quiet fan level of the airflow rate setting.	

Conversion Formulae

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

Model	Indoor Unit		FTX15NMVJU		FTX15NMVJU	
	Outdoor Unit		RXL15QMVJU		RXL15QMVJUA	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ , 60 Hz, 208 - 230 V		1 ϕ , 60 Hz, 208 - 230 V	
Capacity Rated (Min. ~ Max.)		kW	4.40 (1.70 ~ 5.40)	5.35 (1.70 ~ 7.20)	4.40 (1.70 ~ 5.40)	5.35 (1.70 ~ 7.20)
		Btu/h	15,000 (5,800 ~ 18,400)	18,300 (5,800 ~ 24,600)	15,000 (5,800 ~ 18,400)	18,300 (5,800 ~ 24,600)
		kcal/h	3,780 (1,460 ~ 4,640)	4,600 (1,460 ~ 6,190)	3,780 (1,460 ~ 4,640)	4,600 (1,460 ~ 6,190)
Moisture Removal		gal/h	0.63	—	0.63	—
Running Current (Rated)		A	5.92 - 5.35	6.81 - 6.16	5.92 - 5.35	6.81 - 6.16
Power Consumption Rated (Min. ~ Max.)		W	1,150 (290 ~ 1,630)	1,340 (390 ~ 2,310)	1,150 (290 ~ 1,630)	1,340 (390 ~ 2,310)
Power Factor (Rated)		%	93.5 - 93.5	94.6 - 94.6	93.5 - 93.5	94.6 - 94.6
COP Rated (Min. ~ Max.)		W/W	3.82 (5.86 ~ 3.30)	4.00 (4.36 ~ 3.12)	3.82 (5.86 ~ 3.30)	4.00 (4.36 ~ 3.12)
EER Rated (Min. ~ Max.)		Btu/h-W	13 (20 ~ 11.3)	13.7 (14.9 ~ 10.6)	13 (20 ~ 11.3)	13.7 (14.9 ~ 10.6)
SEER / HSPF			20.0	12.5	20.0	12.5
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 1/2 (ϕ 12.7)		ϕ 1/2 (ϕ 12.7)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16.0)		ϕ 5/8 (ϕ 16.0)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length		ft (m)	98-1/2 (30)		98-1/2 (30)	
Max. Interunit Height Difference		ft (m)	65-5/8 (20)		65-5/8 (20)	
Chargeless		ft (m)	32-13/16 (10)		32-13/16 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)		0.21 (20)	
Indoor Unit			FTX15NMVJU		FTX15NMVJU	
Front Panel Color			White		White	
Airflow Rate	H	cfm (m³/min)	593 (16.8)	653 (18.5)	593 (16.8)	653 (18.5)
	M		505 (14.3)	554 (15.7)	505 (14.3)	554 (15.7)
	L		431 (12.2)	470 (13.3)	431 (12.2)	470 (13.3)
	SL		367 (10.4)	399 (11.3)	367 (10.4)	399 (11.3)
Fan	Type / Motor Output	W	Cross Flow Fan / 33		Cross Flow Fan / 33	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof	
Running Current (Rated)		A	0.23 - 0.21	0.25 - 0.23	0.23 - 0.21	0.25 - 0.23
Power Consumption (Rated)		W	33 - 33	38 - 38	33 - 33	38 - 38
Power Factor (Rated)		%	69.0 - 68.3	73.1 - 71.8	69.0 - 68.3	73.1 - 71.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-5/8 × 39 × 10-3/8 (295 × 990 × 263)		11-5/8 × 39 × 10-3/8 (295 × 990 × 263)	
Packaged Dimensions (H × W × D)		in. (mm)	14-9/16 × 42-1/2 × 15-3/8 (370 × 1,080 × 390)		14-9/16 × 42-1/2 × 15-3/8 (370 × 1,080 × 390)	
Weight (Mass)		Lbs (kg)	27 (12)		27 (12)	
Gross Weight (Gross Mass)		Lbs (kg)	37 (17)		37 (17)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 41 / 36 / 33	45 / 41 / 37 / 33	45 / 41 / 36 / 33	45 / 41 / 37 / 33
Outdoor Unit			RXL15QMVJU		RXL15QMVJUA	
Casing Color			Ivory White		Ivory White	
Heat Exchanger		Fin / Spec. Tube	Waffle Fin (PE) / ϕ 7 mm Hi-XD Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XSL Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC36PXD		2YC36PXD	
	Motor Output	W	1,100		1,100	
Refrigerant Oil		Type / Charge	FVC50K / 21.5 (0.650)		FVC50K / 21.5 (0.650)	
Refrigerant		Type / Charge	R-410A / 3.20 (1.45)		R-410A / 3.20 (1.45)	
Airflow Rate	H	cfm (m³/min)	2,044 (57.9)	2,044 (57.9)	2,044 (57.9)	2,044 (57.9)
	SL		1,762 (49.9)	1,585 (44.9)	1,762 (49.9)	1,585 (44.9)
Fan	Type / Motor Output	W	Propeller / 71		Propeller / 71	
Running Current (Rated)		A	5.69 - 5.14	6.56 - 5.93	5.69 - 5.14	6.56 - 5.93
Power Consumption (Rated)		W	1,117 - 1,117	1,302 - 1,302	1,117 - 1,117	1,302 - 1,302
Power Factor (Rated)		%	94.4 - 94.5	95.4 - 95.5	94.4 - 94.5	95.4 - 95.5
Starting Current		A	6.81		6.81	
Dimensions (H × W × D)		in. (mm)	28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)		28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)	
Packaged Dimensions (H × W × D)		in. (mm)	31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)		31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)	
Weight (Mass)		Lbs (kg)	108 (49)		108 (49)	
Gross Weight (Gross Mass)		Lbs (kg)	123 (56)		123 (56)	
Sound Pressure Level		H	50	55	50	55
Conditions Based on			Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)
Drawing No.			C: 3D101716		C: 3D127167	
Notes			SL: The quiet fan level of the airflow rate setting.		SL: The quiet fan level of the airflow rate setting.	

Conversion Formulae

kcal/h = kW $\times$ 860
 Btu/h = kW $\times$ 3412
 cfm = m³/min $\times$ 35.3

Model	Indoor Unit		FTX15NMVJUA	
	Outdoor Unit		RXL15QMVJUA	
			Cooling	Heating
Power Supply			1 ϕ, 60 Hz, 208 - 230 V	
Capacity Rated (Min. ~ Max.)	kW	4.40 (1.70 ~ 5.40)		5.35 (1.70 ~ 7.20)
	Btu/h	15,000 (5,800 ~ 18,400)		18,300 (5,800 ~ 24,600)
	kcal/h	3,780 (1,460 ~ 4,640)		4,600 (1,460 ~ 6,190)
Moisture Removal	gal/h	0.63		—
Running Current (Rated)	A	5.92 - 5.35		6.81 - 6.16
Power Consumption Rated (Min. ~ Max.)	W	1,150 (290 ~ 1,630)		1,340 (390 ~ 2,310)
Power Factor (Rated)	%	93.5 - 93.5		94.6 - 94.6
COP Rated (Min. ~ Max.)	W/W	3.82 (5.86 ~ 3.30)		4.00 (4.36 ~ 3.12)
EER Rated (Min. ~ Max.)	Btu/h-W	13 (20 ~ 11.3)		13.7 (14.9 ~ 10.6)
SEER / HSPF		20.0		12.5
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 1/2 (ϕ 12.7)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16.0)	
Heat Insulation			Both Liquid and Gas Pipes	
Max. Interunit Piping Length	ft (m)	98-1/2 (30)		
Max. Interunit Height Difference	ft (m)	65-5/8 (20)		
Chargeless	ft (m)	32-13/16 (10)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.21 (20)		
Indoor Unit			FTX15NMVJUA	
Front Panel Color			White	
Airflow Rate	H	cfm (m³/min)	593 (16.8)	653 (18.5)
	M		505 (14.3)	554 (15.7)
	L		431 (12.2)	470 (13.3)
	SL		367 (10.4)	399 (11.3)
Fan	Type / Motor Output	W	Cross Flow Fan / 33	
	Speed	Steps	5 Steps, Quiet, Auto	
Air Direction Control			Right, Left, Horizontal, Downward	
Air Filter			Removable, Washable, Mildew Proof	
Running Current (Rated)	A	0.23 - 0.21		0.25 - 0.23
Power Consumption (Rated)	W	33 - 33		38 - 38
Power Factor (Rated)	%	69.0 - 68.3		73.1 - 71.8
Temperature Control			Microcomputer Control	
Dimensions (H × W × D)	in. (mm)	11-5/8 × 39 × 10-3/8 (295 × 990 × 263)		
Packaged Dimensions (H × W × D)	in. (mm)	15-3/16 × 43-3/8 × 15-5/16 (386 × 1,102 × 389)		
Weight (Mass)	Lbs (kg)	27 (13)		
Gross Weight (Gross Mass)	Lbs (kg)	36 (18)		
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 41 / 36 / 33	45 / 41 / 37 / 33
Outdoor Unit			RXL15QMVJUA	
Casing Color			Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XSL Tube	
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2YC36PXD		
	Motor Output	W	1,100	
Refrigerant Oil	Type / Charge	oz (L)	FVC50K / 21.5 (0.650)	
Refrigerant	Type / Charge	Lbs (kg)	R-410A / 3.20 (1.45)	
Airflow Rate	H	cfm (m³/min)	2,044 (57.9)	2,044 (57.9)
	SL		1,762 (49.9)	1,585 (44.9)
Fan	Type / Motor Output	W	Propeller / 71	
Running Current (Rated)	A	5.69 - 5.14		6.56 - 5.93
Power Consumption (Rated)	W	1,117 - 1,117		1,302 - 1,302
Power Factor (Rated)	%	94.4 - 94.5		95.4 - 95.5
Starting Current		A	6.81	
Dimensions (H × W × D)	in. (mm)	28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)		
Packaged Dimensions (H × W × D)	in. (mm)	31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)		
Weight (Mass)	Lbs (kg)	108 (49)		
Gross Weight (Gross Mass)	Lbs (kg)	123 (56)		
Sound Pressure Level	H	dB(A)	50	55
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB) Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB) Piping Length: 25 ft (7.5 m)
Drawing No.			C: 3D138876	
Notes			SL: The quiet fan level of the airflow rate setting.	

Conversion Formulae

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

Model	Indoor Unit Outdoor Unit		FTX18UVJU		FTX18UVJU	
			RXL18UMVJU		RXL18UMVJUA	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ , 60 Hz, 208 - 230 V		1 ϕ , 60 Hz, 208 - 230 V	
Capacity Rated (Min. ~ Max.)	Btu/h		18,000 (9,000 ~ 21,600)	21,600 (9,000 ~ 28,000)	18,000 (9,000 ~ 21,600)	21,600 (9,000 ~ 28,000)
Power Consumption Rated (Min. ~ Max.)	W		1,440 (570 ~ 1,930)	1,809 (540 ~ 3,080)	1,440	1,809
Power Factor (Rated)	%		96	97	96	97
COP (Min. ~ Max.)	W/W		—	3.50 (4.88 ~ 2.66)	—	3.50
EER (Min. ~ Max.)	Btu/h·W		12.50 (15.80 ~ 11.20)	—	12.50	—
SEER / HSPF			20.30	10.30	20.30	10.30
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 1/2 (ϕ 12.7)		ϕ 1/2 (ϕ 12.7)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16)		ϕ 5/8 (ϕ 16)	
Max. Interunit Piping Length	ft (m)		98-1/2 (30)		98-1/2 (30)	
Max. Interunit Height Difference	ft (m)		65-5/8 (20)		65-5/8 (20)	
Chargeless	ft (m)		32-13/16 (10)		32-13/16 (10)	
Amount of Additional Charge of Refrigerant	oz/ft (g/m)		0.32 (30)		0.32 (30)	
Indoor Unit			FTX18UVJU		FTX18UVJU	
Front Panel Color (Munsell No.)			White (N-95)		White (N-95)	
Airflow Rate	H	cfm (m³/min)	583 (16.5)	713 (20.2)	583 (16.5)	713 (20.2)
	M		484 (13.7)	583 (16.5)	484 (13.7)	583 (16.5)
	L		385 (10.9)	431 (12.2)	385 (10.9)	431 (12.2)
	SL		360 (10.2)	399 (11.3)	360 (10.2)	399 (11.3)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Dimensions (H × W × D)	in. (mm)		13-3/8 × 41-5/16 × 10-1/4 (340 × 1,050 × 261)		13-3/8 × 41-5/16 × 10-1/4 (340 × 1,050 × 261)	
Packaged Dimensions (H × W × D)	in. (mm)		13-1/2 × 45-1/2 × 17 (342 × 1,160 × 429)		13-1/2 × 45-1/2 × 17 (342 × 1,160 × 429)	
Weight (Mass)	Lbs (kg)		33 (15)		33 (15)	
Gross Weight (Gross Mass)	Lbs (kg)		42 (19)		42 (19)	
Sound Pressure Level	H / M / L / SL	dB(A)	46 / 41 / 36 / 33	48 / 42 / 35 / 32	46 / 41 / 36 / 33	48 / 42 / 35 / 32
Outdoor Unit			RXL18UMVJU		RXL18UMVJUA	
Casing Color			Ivory White		Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XD Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XSL Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC63AAXD		2YC63AAXD	
Refrigerant Oil	Type / Charge	oz (L)	FVC50K / 31.75 (0.900)		FVC50K / 31.75 (0.900)	
Refrigerant	Type / Charge	Lbs (kg)	R-410A / 3.53 (1.60)		R-410A / 3.53 (1.60)	
Airflow Rate	H	cfm (m³/min)	2,417 (68.5)	2,361 (66.9)	2,417 (68.5)	2,361 (66.9)
	SL		1,907 (54.0)	2,134 (60.4)	1,907 (54.0)	2,134 (60.4)
Fan	Type		Propeller		Propeller	
Dimensions (H × W × D)	in. (mm)		28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)		28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)	
Packaged Dimensions (H × W × D)	in. (mm)		31-7/8 × 41-1/2 × 18-1/4 (810 × 1,056 × 464)		31-7/8 × 41-1/2 × 18-1/4 (810 × 1,056 × 464)	
Weight (Mass)	Lbs (kg)		130 (59)		130 (59)	
Gross Weight (Gross Mass)	Lbs (kg)		137 (62)		137 (62)	
Sound Pressure Level		dB(A)	54 / —	55 / —	54 / —	55 / —
Conditions Based on			Indoor ; 80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB) Outdoor ; 95.0°FDB (35°CDB) / 75°FWB (23.9°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB) Outdoor ; 47°FDB (8.33°CDB) / 43.0°FWB (6.11°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB) Outdoor ; 95.0°FDB (35°CDB) / 75°FWB (23.9°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB) Outdoor ; 47°FDB (8.33°CDB) / 43.0°FWB (6.11°CWB) Piping Length: 25 ft (7.5 m)
Drawing No.			C: 3D123803A		C: 3D127171	
Note			SL: The quiet fan level of the airflow rate setting.		SL: The quiet fan level of the airflow rate setting.	

Conversion Formulae

$\text{kcal/h} = \text{kW} \times 860$
 $\text{Btu/h} = \text{kW} \times 3412$
 $\text{cfm} = \text{m}^3/\text{min} \times 35.3$

Model	Indoor Unit		FTX24UVJU		FTX24UVJU	
	Outdoor Unit		RXL24UMVJU		RXL24UMVJUA	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ , 60 Hz, 208 - 230 V		1 ϕ , 60 Hz, 208 - 230 V	
Capacity Rated (Min. ~ Max.)	Btu/h		21,200 (9,000 ~ 25,800)	24,000 (9,000 ~ 32,000)	21,200 (9,000 ~ 25,800)	24,000 (9,000 ~ 32,000)
Power Consumption Rated (Min. ~ Max.)	W		1,696 (580 ~ 2,360)	2,132 (570 ~ 3,800)	1,696	2,132
Power Factor (Rated)	%		96	97	96	97
COP (Min. ~ Max.)	W/W		—	3.30 (4.62 ~ 2.46)	—	3.30
EER (Min. ~ Max.)	Btu/h·W		12.50 (15.50 ~ 10.90)	—	12.50	—
SEER / HSPF			20.00	10.30	20.00	10.30
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4)		ϕ 1/4 (ϕ 6.4)	
	Gas	in. (mm)	ϕ 5/8 (ϕ 15.9)		ϕ 5/8 (ϕ 15.9)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16)		ϕ 5/8 (ϕ 16)	
Max. Interunit Piping Length	ft (m)		98-1/2 (30)		98-1/2 (30)	
Max. Interunit Height Difference	ft (m)		65-5/8 (20)		65-5/8 (20)	
Chargeless	ft (m)		32-13/16 (10)		32-13/16 (10)	
Amount of Additional Charge of Refrigerant	oz/ft (g/m)		0.32 (30)		0.32 (30)	
Indoor Unit			FTX24UVJU		FTX24UVJU	
Front Panel Color (Munsell No.)			White (N-95)		White (N-95)	
Airflow Rate	H	cfm (m³/min)	643 (18.2)	699 (19.8)	643 (18.2)	699 (19.8)
	M		494 (14.0)	572 (16.2)	494 (14.0)	572 (16.2)
	L		350 (9.9)	445 (12.6)	350 (9.9)	445 (12.6)
	SL		328 (9.3)	403 (11.4)	328 (9.3)	403 (11.4)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Speed	Steps	5 Steps, Quiet, Auto		5 Steps, Quiet, Auto	
Dimensions (H × W × D)	in. (mm)		13-3/8 × 41-5/16 × 10-1/4 (340 × 1,050 × 261)		13-3/8 × 41-5/16 × 10-1/4 (340 × 1,050 × 261)	
Packaged Dimensions (H × W × D)	in. (mm)		13-1/2 × 45-1/2 × 17 (342 × 1,160 × 429)		13-1/2 × 45-1/2 × 17 (342 × 1,160 × 429)	
Weight (Mass)	Lbs (kg)		33 (15)		33 (15)	
Gross Weight (Gross Mass)	Lbs (kg)		44 (20)		44 (20)	
Sound Pressure Level	H / M / L / SL	dB(A)	51 / 44 / 37 / 34	48 / 42 / 37 / 34	51 / 44 / 37 / 34	48 / 42 / 37 / 34
Outdoor Unit			RXL24UMVJU		RXL24UMVJUA	
Casing Color			Ivory White		Ivory White	
Heat Exchanger	Fin / Spec. Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XD Tube		Waffle Fin (PE) / ϕ 7 mm Hi-XSL Tube	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC63AAXD		2YC63AAXD	
Refrigerant Oil	Type / Charge	oz (L)	FVC50K / 31.75 (0.900)		FVC50K / 31.75 (0.900)	
Refrigerant	Type / Charge	Lbs (kg)	R-410A / 3.53 (1.60)		R-410A / 3.53 (1.60)	
Airflow Rate	H	cfm (m³/min)	2,417 (68.5)	2,361 (66.9)	2,417 (68.5)	2,361 (66.9)
	SL		1,907 (54.0)	2,134 (60.4)	1,907 (54.0)	2,134 (60.4)
Fan	Type		Propeller		Propeller	
Dimensions (H × W × D)	in. (mm)		28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)		28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)	
Packaged Dimensions (H × W × D)	in. (mm)		31-7/8 × 41-1/2 × 18-1/4 (810 × 1,056 × 464)		31-7/8 × 41-1/2 × 18-1/4 (810 × 1,056 × 464)	
Weight (Mass)	Lbs (kg)		130 (59)		130 (59)	
Gross Weight (Gross Mass)	Lbs (kg)		137 (62)		137 (62)	
Sound Pressure Level	dB(A)		55 / —	55 / —	55 / —	55 / —
Conditions Based on			Indoor ; 80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB) Outdoor ; 95.0°FDB (35°CDB) / 75°FWB (23.9°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB) Outdoor ; 47°FDB (8.33°CDB) / 43.0°FWB (6.11°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB) Outdoor ; 95.0°FDB (35°CDB) / 75°FWB (23.9°CWB) Piping Length: 25 ft (7.5 m)	Indoor ; 70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB) Outdoor ; 47°FDB (8.33°CDB) / 43.0°FWB (6.11°CWB) Piping Length: 25 ft (7.5 m)
Drawing No.			C: 3D123803A		C: 3D127171	
Note			SL: The quiet fan level of the airflow rate setting.		SL: The quiet fan level of the airflow rate setting.	

Conversion Formulae

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