



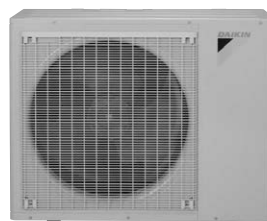
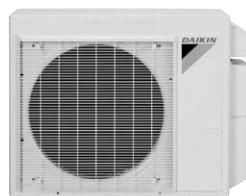
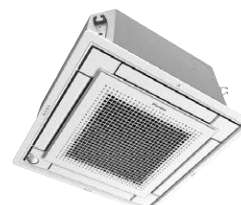
EDUS122205B

R-410A

Engineering Data

Multi-Split Type Air Conditioners - Heat Pump -

2/3/4/5MXS-W, 2/3/4MXL-W, 2/3/4MXLH-W Series



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1. Power Supply

Indoor Unit		Outdoor Unit	Power Supply
Wall Mounted Type CTXS, FTXS, FTXR Series	CTXS07WVJU9	Standard Type 2MXS18WMVJU9 3MXS24WMVJU9 4MXS36WMVJU9 5MXS48WVJU9 Cold Climate Type 2MXL18WMVJU9 3MXL24WMVJU9 4MXL36WVJU9 2MXLH18WVJU9 (with drain pan heater) 3MXLH24WVJU9 (with drain pan heater) 4MXLH36WVJU9 (with drain pan heater)	1 phase, 208 - 230 V, 60 Hz
	FTXS09WVJU9		
	FTXS12WVJU9		
	FTXS15WVJU9		
	FTXS18WVJU9		
	FTXS24WVJU9		
	FTXR09WVJUW9		
	FTXR09WVJUS9		
	FTXR12WVJUW9		
	FTXR12WVJUS9		
	FTXR18WVJUW9		
	FTXR18WVJUS9		
	CTX09AVJU9		
	CTX12AVJU9		
Floor Standing Type FVXS Series	FVXS09WVJU9		
	FVXS12WVJU9		
	FVXS15WVJU9		
	FVXS18WVJU9		
Duct Connected Type CDMQ, FDMQ Series	CDMQ07WVJU9		
	FDMQ09WVJU9		
	FDMQ12WVJU9		
	FDMQ15WVJU9		
	FDMQ18WVJU9		
	FDMQ24WVJU9		
Ceiling-mounted Cassette Type FFQ Series	FFQ09W2VJU8		
	FFQ12W2VJU8		
	FFQ15W2VJU8		
	FFQ18W2VJU8		

Note: Power Supply Intake ; Outdoor Unit

Cautions



1. Air conditioners should not be installed in areas where corrosive gasses, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided and choose an outdoor unit with anti-corrosion treatment.

2. Functions

2.1 Indoor unit

Category	Functions	Wall Mounted				Floor Standing
		CTXS	FTXS	FTXR	CTX	FVXS
Basic Function	Inverter (with inverter power control)	●	●	●	●	●
Comfortable Airflow	Power-airflow flap (horizontal blade)	—	—	—	●	●
	Power-airflow dual flaps (horizontal blade)	●	●	●	—	—
	Wide-angle louvers (vertical blades)	●	●	●	●	●
	Auto-swing (up and down)	●	●	●	●	●
	Auto-swing (left and right)	●	●	●	—	—
	3-D airflow	●	●	●	—	—
	COMFORT AIRFLOW operation	●	●	●	●	—
Comfort Control	Auto fan speed	●	●	●	●	●
	Switchable fan speed	●	●	●	●	●
	Indoor unit quiet operation	●	●	●	●	●
	INTELLIGENT EYE operation	●	●	—	—	—
	2-area INTELLIGENT EYE operation	—	—	●	—	—
	Hot-start function	●	●	●	●	●
Operation	Automatic cooling/heating changeover	●	●	●	●	●
	Program dry operation	●	●	●	●	●
	Fan only	●	●	●	●	●
Lifestyle Convenience	POWERFUL operation (inverter)	●	●	●	●	●
	ECONO operation	●	●	●	●	●
	Indoor unit ON/OFF switch	●	●	●	●	●
	Multi-colored indicator lamp	—	—	●	—	—
	Monitor brightness setting	—	—	●	—	—
	Signal receiving sign	●	●	●	●	●
	R/C with back light	●	●	●	●	●
Health and Cleanliness	Titanium apatite deodorizing filter	●	●	●	●	●
	Mold proof air filter	●	●	●	●	●
	Wipe-clean flat panel	●	●	●	●	●
Timer	WEEKLY TIMER operation	●	●	●	—	●
	24-hour ON/OFF TIMER	●	●	●	—	●
	Count up-down ON/OFF timer	—	—	—	●	—
	NIGHT SET mode	●	●	●	●	●
Worry Free (Reliability & Durability)	Auto-restart (after power failure)	●	●	●	●	●
	Self-diagnosis (Remote controller, LED)	●	●	●	●	●
Flexibility	Multi-split/split type compatible indoor unit	—	—	●	—	●
	Either side drain (left or right)	●	●	●	●	—
Remote Control	Remote control adaptor (normal open pulse contact)	Option	Option	Option	Option	Option
	Remote control adaptor (normal open contact)	Option	Option	Option	Option	Option
	DIII-NET compatible (adaptor)	Option	Option	Option	Option	Option
	Wireless LAN connection	Option	Option	Option	Option	Option
Remote Controller	Wireless	●	●	●	●	●
	Wired	Option	Option	Option	Option	—
	°F/°C changeover R/C temperature display (factory setting: °F)	●	●	●	●	●

Notes: ●: Available

—: Not available

Category	Functions	Duct CDMQ/FDMQ		Ceiling Cassette FFQ with BYFQ60C3W2W	
		Wired R/C	Wireless R/C	Wired R/C	Wireless R/C
Basic Function	Inverter (with inverter power control)	●	●	●	●
Comfortable Airflow	Auto-swing	—	—	●	●
	Individual flap control	—	—	●	—
Comfort Control	Auto fan speed	●	—	●	—
	Switchable fan speed	3 steps	3 steps	3 steps	3 steps
	2 selectable temperature sensors	●	—	—	—
	Presence and floor sensor	—	—	Option	—
	Hot-start function	●	●	●	●
	Draft prevention	—	—	●	●
Operation	Automatic cooling/heating changeover	●	●	●	●
	Program dry operation	●	●	●	●
	Fan only	●	●	●	●
	Setback function	—	—	●	—
Lifestyle Convenience	Emergency operation switch	—	●	—	●
	Signal receiving sign	—	●★1	—	●★1
	R/C with back light	●	—	●	—
Health and Cleanliness	Longlife filter	Option	Option	Option	Option
	Filter cleaning indicator	●	●	●	●
	Silver ion anti-bacterial drain pan	●	●	—	—
	Washable grille	—	—	●	●
Timer	Setpoint auto reset	●	—	—	—
	Setpoint range restriction	●	—	—	—
	Schedule TIMER operation	●	—	●	—
	24-hour ON/OFF TIMER	●	—	●	—
	72-hour count up/down ON/OFF TIMER	—	●	—	●
	Off Timer (turns unit off after set time)	●	—	●	—
Worry Free (Reliability & Durability)	Auto-restart (after power failure)	●	●	●	●
	Self-diagnosis (Remote controller, LED)	●	●	●	●
Flexibility	Multi-split/split type compatible indoor unit	●★2	●★2	●	●
	Drain pump	●	●	●	●
Remote Control	DIII-NET compatible (adaptor)	Option	Option	Option	Option
	Wireless LAN connection	Option	Option	Option	Option
	°F/°C changeover R/C temperature display (factory setting: °F)	●	—	●	—

Note: ●: Available

—: Not available

★1: Receiving sound only

★2: FDMQ only

2.2 Outdoor unit

Function	Standard			Cold Climate					
	2MXS	3/4MXS	5MXS	2MXL	3MXL	4MXL	2MXLH	3MXLH	4MXLH
Inverter (with inverter power control)	●	●	●	●	●	●	●	●	●
Operation limit	Refer to P. 49								
PAM control	●	●	●	●	●	●	●	●	●
Standby electricity saving	—	—	—	—	—	—	—	—	—
Swing compressor	●	●	●	●	●	●	●	●	●
Reluctance DC motor	●	●	●	●	●	●	●	●	●
NIGHT QUIET mode	●	●	●	●	●	●	●	●	●
QUIET OUTDOOR UNIT operation	●	●	●	●	●	●	●	●	●
Quick warming function	●	●	●	●	●	●	●	●	●
Automatic defrosting	●	●	●	●	●	●	●	●	●
Defrost learning control	—	—	●	—	—	●	—	—	●
Priority room setting	●	●	●	●	●	●	●	●	●
COOL/HEAT mode lock	●	●	●	●	●	●	●	●	●
Self-diagnosis (R/C, LED)	●	●	●	●	●	●	●	●	●
Wiring error check function	●	●	●	●	●	●	●	●	●
Anti-corrosion treatment of outdoor heat exchanger	●	●	●	●	●	●	●	●	●
Drain pan heater	Option	Option	Option	Option	Option	Option	●	●	●
Drain pan heater control by microcomputer	—	—	●	—	—	●	●	●	●
Chargeless	98.4 ft (30 m)	131.2 ft (40 m)	131.2 ft (40 m)	98.4 ft (30 m)	131.2 ft (40 m)	131.2 ft (40 m)	98.4 ft (30 m)	131.2 ft (40 m)	131.2 ft (40 m)
Low temp. cooling operation (−15°C) (5°F)	—	—	—	—	—	—	—	—	—

Note: ●: Available

—: Not available

3. Specification

3.1 Indoor unit

3.1.1 Wall Mounted Type

Model			CTXS07WVJU9		FTXS09WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			7 kBTu/h Class		9 kBTu/h Class	
Front Panel Color			White		White	
Airflow Rates	H	cfm (m ³ /min)	332 (9.4)	350 (9.9)	381 (10.8)	420 (11.9)
	M		261 (7.4)	290 (8.2)	279 (7.9)	321 (9.1)
	L		194 (5.5)	233 (6.6)	194 (5.5)	233 (6.6)
	SL		145 (4.1)	219 (6.2)	145 (4.1)	219 (6.2)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	HP	0.03		0.03	
	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		Removable, Washable	
Running Current (Rated)		A	0.09 - 0.08	0.11 - 0.10	0.09 - 0.08	0.11 - 0.10
Power Consumption (Rated)		W	18 - 18	21 - 21	18 - 18	21 - 21
Power Factor (Rated)		%	96.2 - 97.8	91.8 - 91.3	96.2 - 97.8	91.8 - 91.3
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-5/8 × 31-1/2 × 8-7/16 (295 × 800 × 215)		11-5/8 × 31-1/2 × 8-7/16 (295 × 800 × 215)	
Packaged Dimensions (H × W × D)		in. (mm)	10-13/16 × 34-1/4 × 14-7/16 (274 × 870 × 366)		10-13/16 × 34-1/4 × 14-7/16 (274 × 870 × 366)	
Weight (Mass)		lbs (kg)	20 (9)		20 (9)	
Gross Weight (Gross Mass)		lbs (kg)	28 (13)		28 (13)	
Sound Pressure Level	H / M / L / SL	dB(A)	38 / 32 / 25 / 22	38 / 33 / 28 / 25	41 / 33 / 25 / 22	42 / 35 / 38 / 25
Sound Power Level		dB	54	54	57	58
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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)		ϕ 5/8 (ϕ 16)	
Drawing No.			3D141140B		3D141140B	
Note			SL: The quiet fan level of the airflow rate setting		SL: The quiet fan level of the airflow rate setting	

Model			FTXS12WVJU9		FTXS15WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			12 kBTu/h Class		15 kBTu/h Class	
Front Panel Color			White		White	
Airflow Rates	H	cfm (m ³ /min)	403 (11.4)	438 (12.4)	568 (16.1)	593 (16.8)
	M		307 (8.7)	335 (9.5)	477 (13.5)	505 (14.3)
	L		205 (5.8)	240 (6.8)	385 (10.9)	417 (11.8)
	SL		155 (4.4)	212 (6.0)	360 (10.2)	371 (10.5)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	HP	0.03		0.06	
	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		Removable, Washable	
Running Current (Rated)		A	0.13 - 0.12	0.14 - 0.13	0.31 - 0.29	0.31 - 0.29
Power Consumption (Rated)		W	26 - 26	28 - 28	38 - 38	38 - 38
Power Factor (Rated)		%	96.2 - 94.2	96.2 - 93.6	58.9 - 57.0	58.9 - 57.0
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-5/8 × 31-1/2 × 8-7/16 (295 × 800 × 215)		13-3/8 × 41-5/16 × 9-3/4 (340 × 1,050 × 248)	
Packaged Dimensions (H × W × D)		in. (mm)	10-13/16 × 34-1/4 × 14-7/16 (274 × 870 × 366)		13 × 45-11/16 × 16-7/8 (331 × 1,160 × 429)	
Weight (Mass)		lbs (kg)	21 (10)		31 (14)	
Gross Weight (Gross Mass)		lbs (kg)	29 (13)		43 (19)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 37 / 29 / 23	45 / 39 / 29 / 26	45 / 40 / 35 / 32	43 / 38 / 33 / 30
Sound Power Level		dB	61	61	61	59
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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 1/2 (ϕ 12.7)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16)		ϕ 5/8 (ϕ 16)	
Drawing No.			3D141140B		3D141475A	
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

Model			FTXS18WVJU9		FTXS24WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			18 kBtu/h Class		24 kBtu/h Class	
Front Panel Color			White		White	
Airflow Rates	H	cfm (m ³ /min)	583 (16.5)	625 (17.7)	643 (18.2)	699 (19.8)
	M		484 (13.7)	526 (14.9)	494 (14.0)	572 (16.2)
	L		385 (10.9)	431 (12.2)	350 (9.9)	445 (12.6)
	SL		360 (10.2)	399 (11.3)	328 (9.3)	403 (11.4)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	HP	0.06		0.06	
	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		Removable, Washable	
Running Current (Rated)		A	0.32 - 0.30	0.32 - 0.30	0.57 - 0.51	0.57 - 0.51
Power Consumption (Rated)		W	38 - 38	38 - 38	69 - 68	69 - 68
Power Factor (Rated)		%	57.1 - 55.1	57.1 - 55.1	58.2 - 58.0	58.2 - 58.0
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	13-3/8 × 41-5/16 × 9-3/4 (340 × 1,050 × 248)		13-3/8 × 41-5/16 × 9-3/4 (340 × 1,050 × 248)	
Packaged Dimensions (H × W × D)		in. (mm)	13 × 45-11/16 × 16-7/8 (331 × 1,160 × 429)		13 × 45-11/16 × 16-7/8 (331 × 1,160 × 429)	
Weight (Mass)		lbs (kg)	31 (14)		31 (14)	
Gross Weight (Gross Mass)		lbs (kg)	43 (19)		45 (20)	
Sound Pressure Level	H / M / L / SL	dB(A)	46 / 41 / 36 / 33	45 / 40 / 35 / 32	51 / 44 / 37 / 34	48 / 42 / 37 / 34
Sound Power Level		dB	62	61	67	64
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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 5/8 (ϕ 15.9)	
	Drain	in. (mm)	ϕ 5/8 (ϕ 16)		ϕ 5/8 (ϕ 16)	
Drawing No.			3D141475A		3D141475A	
Note			SL: The quiet fan level of the airflow rate setting		SL: The quiet fan level of the airflow rate setting	

Model			FTXR09WVJUW9		FTXR09WVJUS9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			9 kBtu/h Class		9 kBtu/h Class	
Front Panel Color			White		Silver	
Airflow Rates	H	cfm (m ³ /min)	272 (7.7)	346 (9.8)	272 (7.7)	346 (9.8)
	M		208 (5.9)	258 (7.3)	208 (5.9)	258 (7.3)
	L		162 (4.6)	201 (5.7)	162 (4.6)	201 (5.7)
	SL		134 (3.8)	117 (3.3)	134 (3.8)	117 (3.3)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	HP	0.04		0.04	
	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		Removable, Washable	
Running Current (Rated)		A	0.07 - 0.07	0.13 - 0.12	0.07 - 0.07	0.13 - 0.12
Power Consumption (Rated)		W	13 - 13	26 - 26	13 - 13	26 - 26
Power Factor (Rated)		%	89.2 - 80.7	96.2 - 94.2	89.2 - 80.7	96.2 - 94.2
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-15/16 × 39-5/16 × 8-3/8 (303 × 998 × 212)		11-15/16 × 39-5/16 × 8-3/8 (303 × 998 × 212)	
Packaged Dimensions (H × W × D)		in. (mm)	12-11/16 × 43-3/8 × 15-5/16 (322 × 1,101 × 389)		12-11/16 × 43-3/8 × 15-5/16 (322 × 1,101 × 389)	
Weight (Mass)		lbs (kg)	27 (12)		27 (12)	
Gross Weight (Gross Mass)		lbs (kg)	33 (15)		33 (15)	
Sound Pressure Level	H / M / L / SL	dB(A)	38 / 32 / 25 / 19	41 / 34 / 28 / 19	38 / 32 / 25 / 19	41 / 34 / 28 / 19
Sound Power Level		dB	—	—	—	—
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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 11/16 (ϕ 18)		ϕ 11/16 (ϕ 18)	
Drawing No.			3D143145		3D143145	
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

Model			FTXR12WVJUW9		FTXR12WVJUS9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			12 kBtu/h Class		12 kBtu/h Class	
Front Panel Color			White		Silver	
Airflow Rates	H	cfm (m ³ /min)	335 (9.5)	395 (11.2)	335 (9.5)	395 (11.2)
	M		219 (6.2)	290 (8.2)	219 (6.2)	290 (8.2)
	L		169 (4.8)	226 (6.4)	169 (4.8)	226 (6.4)
	SL		131 (3.7)	131 (3.7)	131 (3.7)	131 (3.7)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	HP	0.04		0.04	
	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		Removable, Washable	
Running Current (Rated)		A	0.13 - 0.12	0.19 - 0.17	0.13 - 0.12	0.19 - 0.17
Power Consumption (Rated)		W	26 - 26	38 - 38	26 - 26	38 - 38
Power Factor (Rated)		%	96.1 - 94.2	96.1 - 97.1	96.1 - 94.2	96.1 - 97.1
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-15/16 × 39-5/16 × 8-3/8 (303 × 998 × 212)		11-15/16 × 39-5/16 × 8-3/8 (303 × 998 × 212)	
Packaged Dimensions (H × W × D)		in. (mm)	12-11/16 × 43-3/8 × 15-5/16 (322 × 1,101 × 389)		12-11/16 × 43-3/8 × 15-5/16 (322 × 1,101 × 389)	
Weight (Mass)		lbs (kg)	27 (12)		27 (12)	
Gross Weight (Gross Mass)		lbs (kg)	33 (15)		33 (15)	
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 34 / 26 / 20	45 / 37 / 29 / 20	45 / 34 / 26 / 20	45 / 37 / 29 / 20
Sound Power Level		dB	—	—	—	—
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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 11/16 (ϕ 18)		ϕ 11/16 (ϕ 18)	
Drawing No.			3D143146		3D143146	
Note			SL: The quiet fan level of the airflow rate setting		SL: The quiet fan level of the airflow rate setting	

Model			FTXR18WVJUW9		FTXR18WVJUS9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			18 kBtu/h Class		18 kBtu/h Class	
Front Panel Color			White		Silver	
Airflow Rates	H	cfm (m ³ /min)	350 (9.9)	413 (11.7)	350 (9.9)	413 (11.7)
	M		275 (7.8)	332 (9.4)	275 (7.8)	332 (9.4)
	L		226 (6.4)	275 (7.8)	226 (6.4)	275 (7.8)
	SL		208 (5.9)	208 (5.9)	208 (5.9)	208 (5.9)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Motor Output	HP	0.04		0.04	
	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		Removable, Washable	
Running Current (Rated)		A	0.07 - 0.07	0.13 - 0.12	0.07 - 0.07	0.13 - 0.12
Power Consumption (Rated)		W	28 - 28	42 - 42	28 - 28	42 - 42
Power Factor (Rated)		%	96.1 - 87.0	96.2 - 87.0	96.1 - 87.0	96.2 - 87.0
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-15/16 × 39-5/16 × 8-3/8 (303 × 998 × 212)		11-15/16 × 39-5/16 × 8-3/8 (303 × 998 × 212)	
Packaged Dimensions (H × W × D)		in. (mm)	12-11/16 × 43-3/8 × 15-5/16 (322 × 1,101 × 389)		12-11/16 × 43-3/8 × 15-5/16 (322 × 1,101 × 389)	
Weight (Mass)		lbs (kg)	27 (12)		27 (12)	
Gross Weight (Gross Mass)		lbs (kg)	33 (15)		33 (15)	
Sound Pressure Level	H / M / L / SL	dB(A)	46 / 40 / 35 / 30	47 / 41 / 35 / 30	46 / 40 / 35 / 30	47 / 41 / 35 / 30
Sound Power Level		dB	—	—	—	—
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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 11/16 (ϕ 18)		ϕ 11/16 (ϕ 18)	
Drawing No.			3D143147A		3D143147A	
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

Model			CTX09AVJU9		CTX12AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208/230 V		60 Hz, 208/230 V	
Rated Capacity			9 kBtu/h Class		12 kBtu/h Class	
Front Panel Color			White (N9.5)		White (N9.5)	
Airflow Rates	H	cfm (m ³ /min)	381 (10.8)	385 (10.9)	392 (11.1)	438 (12.4)
	M		272 (7.7)	304 (8.6)	293 (8.3)	318 (9.0)
	L		230 (6.5)	230 (6.5)	226 (6.4)	240 (6.8)
	SL		166 (4.7)	194 (5.5)	166 (4.7)	205 (5.8)
Fan	Type		Cross Flow Fan		Cross Flow Fan	
	Drive input	A	0.20		0.23	
	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		Removable, Washable	
Running Current (Rated)		A	0.14 - 0.13	0.13 - 0.12	0.17 - 0.15	0.20 - 0.18
Power Consumption (Rated)		W	26 - 26	25 - 25	29 - 29	35 - 35
Power Factor (Rated)		%	90.4 - 86.2	90.9 - 87.3	81.3 - 84.7	83.7 - 82.7
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-1/4 × 30-5/16 × 8-3/4 (286 × 770 × 223)		11-1/4 × 30-5/16 × 8-3/4 (286 × 770 × 223)	
Packaged Dimensions (H × W × D)		in. (mm)	12-5/8 × 32-11/16 × 14-3/16 (320 × 830 × 360)		12-5/8 × 32-11/16 × 14-3/16 (320 × 830 × 360)	
Weight (Mass)		lbs (kg)	19 (9)		19 (9)	
Gross Weight (Gross Mass)		lbs (kg)	24 (11)		24 (11)	
Sound Pressure Level	H / M / L / SL	dB(A)	43 / 35 / 31 / 24	41 / 35 / 28 / 25	45 / 37 / 31 / 24	45 / 37 / 30 / 26
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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)		ϕ 5/8 (ϕ 16)	
Drawing No.			3D154726		3D154726	
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

3.1.2 Floor Standing Type

Model			FVXS09WVJU9		FVXS12WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			9 kBtu/h Class		12 kBtu/h Class	
Front Panel Color			White		White	
Airflow Rates	H	cfm (m ³ /min)	290(8.2)	311 (8.8)	300 (8.5)	332 (9.4)
	M		230 (6.5)	244 (6.9)	237 (6.7)	258 (7.3)
	L		169 (4.8)	177 (5.0)	173 (4.9)	184 (5.2)
	SL		145 (4.1)	155 (4.4)	159 (4.5)	166 (4.7)
Fan	Type		Turbo Fan		Turbo Fan	
	Motor Output	HP	0.02		0.02	
	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		Removable, Washable	
Running Current (Rated)		A	0.14 - 0.13	0.15 - 0.14	0.14 - 0.13	0.15 - 0.14
Power Consumption (Rated)		W	15 - 15	17 - 17	15 - 15	17 - 17
Power Factor (Rated)		%	51.5 - 50.2	54.5 - 52.8	51.5 - 50.2	54.5 - 52.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	23-5/8 × 27-9/16 × 8-1/4 (600 × 700 × 210)		23-5/8 × 27-9/16 × 8-1/4 (600 × 700 × 210)	
Packaged Dimensions (H × W × D)		in. (mm)	27-3/8 × 30-15/16 × 11 (696 × 786 × 280)		27-3/8 × 30-15/16 × 11 (696 × 786 × 280)	
Weight (Mass)		lbs (kg)	31 (14)		31 (14)	
Gross Weight (Gross Mass)		lbs (kg)	38 (17)		38 (17)	
Sound Pressure Level	H / M / L / SL	dB(A)	38 / 32 / 26 / 23	38 / 32 / 26 / 23	39 / 33 / 27 / 24	39 / 33 / 27 / 24
Sound Power Level		dB	—	—	—	—
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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 13/16 (ϕ 20)		ϕ 13/16 (ϕ 20)	
Drawing No.			3D143142A		3D143142A	
Note			SL: The quiet fan level of the airflow rate setting		SL: The quiet fan level of the airflow rate setting	

Model			FVXS15WVJU9		FVXS18WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			15 kBtu/h Class		18 kBtu/h Class	
Front Panel Color			White		White	
Airflow Rates	H	cfm (m ³ /min)	378 (10.7)	417 (11.8)	378 (10.7)	417 (11.8)
	M		325 (9.2)	357 (10.1)	325 (9.2)	357 (10.1)
	L		275 (7.8)	300 (8.5)	275 (7.8)	300 (8.5)
	SL		233 (6.6)	251 (7.1)	233 (6.6)	251 (7.1)
Fan	Type		Turbo Fan		Turbo Fan	
	Motor Output	HP	0.03		0.03	
	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		Removable, Washable	
Running Current (Rated)		A	0.19 - 0.17	0.21 - 0.19	0.19 - 0.17	0.21 - 0.19
Power Consumption (Rated)		W	27 - 27	34 - 34	27 - 27	34 - 34
Power Factor (Rated)		%	68.3 - 69.1	77.8 - 77.8	68.3 - 69.1	77.8 - 77.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	23-5/8 × 27-9/16 × 8-1/4 (600 × 700 × 210)		23-5/8 × 27-9/16 × 8-1/4 (600 × 700 × 210)	
Packaged Dimensions (H × W × D)		in. (mm)	27-3/8 × 30-15/16 × 11 (696 × 786 × 280)		27-3/8 × 30-15/16 × 11 (696 × 786 × 280)	
Weight (Mass)		lbs (kg)	31 (14)		31 (14)	
Gross Weight (Gross Mass)		lbs (kg)	38 (17)		38 (17)	
Sound Pressure Level	H / M / L / SL	dB(A)	44 / 40 / 36 / 32	45 / 40 / 36 / 32	44 / 40 / 36 / 32	45 / 40 / 36 / 32
Sound Power Level		dB	—	—	—	—
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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 13/16 (ϕ 20)		ϕ 13/16 (ϕ 20)	
Drawing No.			3D143142A		3D143029A	
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

3.1.3 Duct Concealed Type

Model			CDMQ07WVJU9		FDMQ09WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			7 kBtu/h Class		9 kBtu/h Class	
Casing Color			—		—	
Dimensions (H × W × D)		in. (mm)	9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)		9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)	
Coil	Type		Cross Fin Coil		Cross Fin Coil	
	Rows × Stages × Fin per inch		3 × 26 × 18		3 × 26 × 18	
	Face Area	ft² (m²)	1-15/16 (0.178)		1-15/16 (0.178)	
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	HP	0.17		0.17	
	Airflow Rate H / M / L	cfm (m³/min)	268 / 251 / 230 (7.6 / 7.1 / 6.5)	268 / 251 / 230 (7.6 / 7.1 / 6.5)	293 / 265 / 233 (8.3 / 7.5 / 6.6)	293 / 265 / 233 (8.3 / 7.5 / 6.6)
	External Static Pressure ★1	inH₂O	0.20 (0.60 - 0.12)		0.20 (0.60 - 0.12)	
		Pa	50 (150 - 30)		50 (150 - 30)	
Sound Pressure Level		dB(A)	30	30	32	32
Sound Power Level		dB(A)	44	44	46	46
Air Filter ★2			—		—	
Weight (Mass)		lbs (kg)	64 (29)		64 (29)	
Piping Connection	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4) (Flare)		ϕ 1/4 (ϕ 6.4) (Flare)	
	Gas	in. (mm)	ϕ 3/8 (ϕ 9.5) (Flare)		ϕ 3/8 (ϕ 9.5) (Flare)	
	Drain	in. (mm)	I.D. ϕ 1 (ϕ 25) / O.D. ϕ 1-1/4 (ϕ 32)		I.D. ϕ 1 (ϕ 25) / O.D. ϕ 1-1/4 (ϕ 32)	
Remote Controller (Option)	Wired		BRC1E73		BRC1E73	
	Wireless		BRC082A43		BRC082A43	
Drawing No.			3D141740A		3D143150A	
Note			★1. External static pressure is changeable in 13 stages by remote controller. ★2. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.		★1. External static pressure is changeable in 13 stages by remote controller. ★2. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.	

Model			FDMQ12WVJU9		FDMQ15WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			12 kBtu/h Class		15 kBtu/h Class	
Casing Color			—		—	
Dimensions (H × W × D)		in. (mm)	9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)		9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)	
Coil	Type		Cross Fin Coil		Cross Fin Coil	
	Rows × Stages × Fin per inch		3 × 26 × 18		2 × 26 × 18	
	Face Area		ft² (m²)		1-15/16 (0.178)	
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output		HP		0.31	
	Airflow Rate H / M / L		cfm (m³/min)	371 / 318 / 261 (10.5 / 9.0 / 7.4)	371 / 318 / 261 (10.5 / 9.0 / 7.4)	448 / 399 / 350 (12.7 / 11.3 / 9.9)
	External Static Pressure ★1	inH₂O	0.20 (0.60 - 0.12)		0.20 (0.60 - 0.20)	
		Pa	50 (150 - 30)		50 (150 - 50)	
Sound Pressure Level		dB(A)	33	33	34	34
Sound Power Level		dB(A)	47	47	48	48
Air Filter ★2			—		—	
Weight (Mass)		lbs (kg)	64 (29)		77 (35)	
Piping Connection	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4) (Flare)		ϕ 1/4 (ϕ 6.4) (Flare)	
	Gas	in. (mm)	ϕ 3/8 (ϕ 9.5) (Flare)		ϕ 1/2 (ϕ 12.7) (Flare)	
	Drain	in. (mm)	I.D. ϕ 1 (ϕ 25) / O.D. ϕ 1-1/4 (ϕ 32)		I.D. ϕ 1 (ϕ 25) / O.D. ϕ 1-1/4 (ϕ 32)	
Remote Controller (Option)	Wired		BRC1E73		BRC1E73	
	Wireless		BRC082A43		BRC082A43	
Drawing No.			3D143150A		3D143151A	
Note			★1. External static pressure is changeable in 13 stages by remote controller. ★2. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.		★1. External static pressure is changeable in 13 stages by remote controller. ★2. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.	

Conversion Formulae

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

Model			FDMQ18WVJU9		FDMQ24WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			18 kBtu/h Class		24 kBtu/h Class	
Casing Color			—		—	
Dimensions (H × W × D)		in. (mm)	9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)		9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)	
Coil	Type		Cross Fin Coil		Cross Fin Coil	
	Rows × Stages × Fin per inch		3 × 26 × 18		3 × 26 × 18	
	Face Area	ft² (m²)	3-1/8 (0.288)		3-1/8 (0.288)	
Fan	Type		Sirocco Fan		Sirocco Fan	
	Motor Output	HP	0.31		0.31	
	Airflow Rate H / M / L	cfm (m³/min)	614 / 523 / 431 (17.4 / 14.8 / 12.2)	614 / 523 / 431 (17.4 / 14.8 / 12.2)	731 / 621 / 512 (20.7 / 17.6 / 14.5)	731 / 621 / 512 (20.7 / 17.6 / 14.5)
	External Static Pressure ★1	inH₂O	0.20 (0.60 - 0.20)		0.20 (0.60 - 0.20)	
		Pa	50 (150 - 50)		50 (150 - 50)	
Sound Pressure Level		dB(A)	35	35	40	40
Sound Power Level		dB(A)	49	49	54	54
Air Filter ★2			—		—	
Weight (Mass)		lbs (kg)	82 (37)		82 (37)	
Piping Connection	Liquid	in. (mm)	ϕ 1/4 (ϕ 6.4) (Flare)		ϕ 1/4 (ϕ 6.4) (Flare)	
	Gas	in. (mm)	ϕ 1/2 (ϕ 12.7) (Flare)		ϕ 5/8 (ϕ 15.9) (Flare)	
	Drain	in. (mm)	I.D. ϕ 1 (ϕ 25) / O.D. ϕ 1-1/4 (ϕ 32)		I.D. ϕ 1 (ϕ 25) / O.D. ϕ 1-1/4 (ϕ 32)	
Remote Controller (Option)	Wired		BRC1E73		BRC1E73	
	Wireless		BRC082A43		BRC082A43	
Drawing No.			3D143151A		3D143151A	
Note			★1. External static pressure is changeable in 13 stages by remote controller. ★2. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.		★1. External static pressure is changeable in 13 stages by remote controller. ★2. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.	

Conversion Formulae

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

3.1.4 Ceiling Cassette Type

Model			FFQ09W2VJU8		FFQ12W2VJU8	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1ϕ		1ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
Rated Capacity			9 kBtu/h Class		12 kBtu/h Class	
Decoration Panel	Model		BYFQ60C3W2W		BYFQ60C3W2W	
	Color		White		White	
	Dimension (H × W × D)	in. (mm)	1-13/16 × 24-7/16 × 24-7/16 (46 × 620 × 620)		1-13/16 × 24-7/16 × 24-7/16 (46 × 620 × 620)	
	Weight (Mass)	lbs (kg)	6.2 (2.8)		6.2 (2.8)	
Airflow Rates	H	cfm (m³/min)	378 (10.7)	399 (11.3)	406 (11.5)	427 (12.1)
	M		339 (9.6)	357 (10.1)	353 (10.0)	371 (10.5)
	L		268 (7.6)	282 (8.0)	268 (7.6)	282 (8.0)
Fan	Type		Turbo Fan		Turbo Fan	
	Motor Output	HP	0.07		0.07	
	Speed	Steps	3 Steps		3 Steps	
Air Direction Control			—		—	
Running Current (Rated)		A	0.23 - 0.21	0.23 - 0.21	0.27 - 0.24	0.27 - 0.24
Power Consumption (Rated)		W	23	23	27	27
Power Factor (Rated)		%	48.1 - 47.6	48.1 - 47.6	48.1 - 48.9	48.1 - 48.9
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	10-1/4 × 22-5/8 × 22-5/8 (260 × 575 × 575)		10-1/4 × 22-5/8 × 22-5/8 (260 × 575 × 575)	
Packaged Dimensions (H × W × D)		in. (mm)	11 × 27 × 23-1/2 (280 × 686 × 597)		11 × 27 × 23-1/2 (280 × 686 × 597)	
Weight (Mass)		lbs (kg)	36 (16)		36 (16)	
Gross Weight (Gross Mass)		lbs (kg)	40 (18)		40 (18)	
Sound Pressure Level	H / M / L	dB(A)	38 / 35 / 29	38 / 35 / 29	39 / 36 / 30	39 / 36 / 30
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Piping Connection	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)	VP20 (O.D. ϕ 1-1/32 (ϕ 26))		VP20 (O.D. ϕ 1-1/32 (ϕ 26))	
Drawing No.			3D146771		3D146771	

Conversion Formulae

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

Model			FFQ15W2VJU8		FFQ18W2VJU8		
			Cooling	Heating	Cooling	Heating	
Power Supply		Phase	1ϕ		1ϕ		
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V		
Rated Capacity			15 kBtu/h Class		18 kBtu/h Class		
Decoration Panel		Model	BYFQ60C3W2W		BYFQ60C3W2W		
		Color	White		White		
		Dimension (H × W × D)	in. (mm)	1-13/16 × 24-7/16 × 24-7/16 (46 × 620 × 620)	1-13/16 × 24-7/16 × 24-7/16 (46 × 620 × 620)		
		Weight (Mass)	lbs (kg)	6.2 (2.8)	6.2 (2.8)		
Airflow Rates		H	cfm (m³/min)	420 (11.9)	441 (12.5)	448 (12.7)	498 (14.1)
		M		367 (10.4)	385 (10.9)	378 (10.7)	420 (11.9)
		L		293 (8.3)	307 (8.7)	275 (7.8)	307 (8.7)
Fan		Type	Turbo Fan		Turbo Fan		
		Motor Output	HP	0.07	0.07		
		Speed	Steps	3 Steps	3 Steps		
Air Direction Control			—		—		
Running Current (Rated)		A	0.29 - 0.26	0.29 - 0.26	0.52 - 0.47	0.52 - 0.47	
Power Consumption (Rated)		W	28	28	51 - 51	51 - 51	
Power Factor (Rated)		%	46.4 - 46.8	46.4 - 46.8	47.2 - 47.2	47.2 - 47.2	
Temperature Control			Microcomputer Control		Microcomputer Control		
Dimensions (H × W × D)		in. (mm)	10-1/4 × 22-5/8 × 22-5/8 (260 × 575 × 575)		10-1/4 × 22-5/8 × 22-5/8 (260 × 575 × 575)		
Packaged Dimensions (H × W × D)		in. (mm)	11 × 27 × 23-1/2 (280 × 686 × 597)		11 × 27 × 23-1/2 (280 × 686 × 597)		
Weight (Mass)		lbs (kg)	36 (16)		39.0 (17.5)		
Gross Weight (Gross Mass)		lbs (kg)	40 (18)		43 (20)		
Sound Pressure Level	H / M / L	dB(A)	40 / 37 / 31	40 / 37 / 31	44 / 40 / 32	44 / 40 / 32	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes		
Piping Connection		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)	VP20 (O.D. ϕ 1-1/32 (ϕ 26))	VP20 (O.D. ϕ 1-1/32 (ϕ 26))		
Drawing No.			3D146772		3D146772		

Conversion Formulae

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

3.2 Outdoor unit

Model			2MXS18WMVJU9		3MXS24WMVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ 60 Hz, 208 - 230 V		1 ϕ 60 Hz, 208 - 230 V	
COP2			—	4.00 (Non-Ducted) 3.10 (Ducted)	—	4.40 (Non-Ducted) 3.00 (Ducted)
EER2			11.8 (Non-Ducted) 8.8 (Ducted)	—	11.7 (Non-Ducted) 8.5 (Ducted)	—
SEER2 / HSPF2			16.0 (Non-Ducted) 14.3 (Ducted)	8.7 (Non-Ducted) 7.7 (Ducted)	18.0 (Non-Ducted) 14.9 (Ducted)	9.7 (Non-Ducted) 7.8 (Ducted)
Casing Color			Ivory White		Ivory White	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC36PXD		2YC63AAXD	
	Motor Output	W	1,100		1,920	
Refrigerant Oil	Model		FVC50K		FVC50K	
	Charge	fl oz (L)	22.0 (0.65)		30.4 (0.9)	
Refrigerant	Type		R410A		R410A	
	Charge	lbs (kg)	3.86 (1.75)		6.17 (2.8)	
Airflow Rates	H	cfm	2,151	2,180	2,094	2,094
	M		2,151	2,180	2,094	1,979
	L		1,950	1,118	1,979	1,118
	H	m ³ /min	60.9	61.7	59.3	59.3
	M		60.9	61.7	59.3	56.0
	L		55.2	31.6	56.0	31.6
Fan	Type		Propeller		Propeller	
	Motor Output	W	55		50	
	Running Current (H / M / L)	A	0.37 / 0.37 / 0.28	0.38 / 0.38 / 0.06	0.34 / 0.34 / 0.29	0.34 / 0.29 / 0.06
	Power Consumption (H / M / L)	W	75.9 / 75.9 / 57.2	78.9 / 78.9 / 12.6	70.2 / 70.2 / 59.7	70.2 / 59.7 / 12.6
Starting Current			A 14.0		15.5	
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 × 41-3/8 × 17-1/2 (810 × 1,050 × 444)		31-7/8 × 41-3/8 × 17-1/2 (810 × 1,050 × 444)	
Weight (Mass)			lbs (kg) 126 (57)		140 (63)	
Gross Weight (Gross Mass)			lbs (kg) 136 (62)		150 (68)	
Sound Pressure Level			dB(A) 50		52	54
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 2 (ϕ 6.4 × 2)		ϕ 1/4 × 3 (ϕ 6.4 × 3)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 1)		ϕ 3/8 × 1, ϕ 1/2 × 2 (ϕ 9.5 × 1, ϕ 12.7 × 2)	
	Drain	in. (mm)	I.D. ϕ 5/8 (ϕ 15.9)		I.D. ϕ 5/8 (ϕ 15.9)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)		3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length	ft (m)		164 (50) (for Total of Each Room)		230 (70) (for Total of Each Room)	
	ft (m)		82 (25) (for One Room)		82 (25) (for One Room)	
Amount of Additional Charge			oz/ft (g/m) 0.21 (20) (98-3/8 ft (30 m) or more)		0.21 (20) (131-1/4 ft (40 m) or more)	
Max. Installation Height Difference	ft (m)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
	ft (m)		24-5/8 (7.5) (Between Indoor Units)		24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB)	Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB)
			Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)
			Piping length: 25 ft (7.5 m)		Piping length: 25 ft (7.5 m)	
Drawing No.			C: 3D141372		C: 3D141373	

Conversion Formulae

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

Model			4MXS36WMVJU9		5MXS48WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ 60 Hz, 208 - 230 V		1 ϕ 60 Hz, 208 - 230 V	
COP2			—	4.50 (Non-Ducted) 3.10 (Ducted)	—	3.90 (Non-Ducted) 3.00 (Ducted)
EER2			9.2 (Non-Ducted) 8.0 (Ducted)	—	10.5 (Non-Ducted) 8.2 (Ducted)	—
SEER2 / HSPF2			18.1 (Non-Ducted) 14.9 (Ducted)	9.4 (Non-Ducted) 7.8 (Ducted)	20.6 (Non-Ducted) 14.5 (Ducted)	9.3 (Non-Ducted) 7.8 (Ducted)
Casing Color			Ivory White		Ivory White	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC63AAXD		2YC90KXD	
	Motor Output	W	1,920		3,000	
Refrigerant Oil	Model		FVC50K		FVC50K	
	Charge	fl oz (L)	30.4 (0.9)		51.4 (1.52)	
Refrigerant	Type		R410A		R410A	
	Charge	lbs (kg)	6.17 (2.8)		8.60 (3.9)	
Airflow Rates	H	cfm	2,611	2,352	3,684	3,356
	M		2,438	2,209	3,029	3,138
	L		2,094	1,118	2,756	1,500
	H	m ³ /min	73.9	66.6	104.3	95.0
	M		69.0	62.5	85.8	88.9
	L		59.3	31.6	78.0	42.5
Fan	Type		Propeller		Propeller	
	Motor Output	W	89		126	
	Running Current (H / M / L)	A	0.49 / 0.41 / 0.27	0.37 / 0.31 / 0.05	0.76 / 0.45 / 0.35	0.59 / 0.49 / 0.17
	Power Consumption (H / M / L)	W	102.1 / 84.6 / 55.8	76.7 / 64.6 / 11.1	158.5 / 93.3 / 73.2	122.9 / 102.5 / 34.9
Starting Current			17.5		27.0	
Dimensions (H × W × D)			in. (mm) 28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)		34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)	
Packaged Dimensions (H × W × D)			in. (mm) 31-7/8 × 41-3/8 × 17-1/2 (810 × 1,050 × 444)		39-15/16 × 46-7/8 × 21-15/16 (1,014 × 1,190 × 558)	
Weight (Mass)			lbs (kg) 144 (65)		216 (98)	
Gross Weight (Gross Mass)			lbs (kg) 154 (70)		231 (105)	
Sound Pressure Level			54	56	53	55
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 4 (ϕ 6.4 × 4)		ϕ 1/4 × 5 (ϕ 6.4 × 5)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 2, ϕ 5/8 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 2, ϕ 15.9 × 1)		ϕ 3/8 × 1, ϕ 1/2 × 2, ϕ 5/8 × 2 (ϕ 9.5 × 1, ϕ 12.7 × 2, ϕ 15.9 × 2)	
	Drain	in. (mm)	I.D. ϕ 5/8 (ϕ 15.9)		I.D. ϕ 1 (ϕ 25)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)		3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length	ft (m)		230 (70) (for Total of Each Room)		262 (80) (for Total of Each Room)	
	ft (m)		82 (25) (for One Room)		98 (30) (for One Room)	
Amount of Additional Charge			0.21 (20) (131-1/4 ft (40 m) or more)		0.21 (20) (131-1/4 ft (40 m) or more)	
Max. Installation Height Difference	ft (m)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
	ft (m)		24-5/8 (7.5) (Between Indoor Units)		24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB)	Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°FWB (15.6°CWB)
			Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°FWB (6°CWB)
			Piping length: 25 ft (7.5 m)		Piping length: 25 ft (7.5 m)	
Drawing No.			C: 3D141377		C: 3D141409	

Conversion Formulae

kcal/h = kW × 860

Btu/h = kW × 3412

cfm = m³/min × 35.3

Model			2MXL18WMVJU9		3MXL24WMVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ		1 ϕ	
			60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
COP2			—	4.20 (Non-Ducted) 3.12 (Ducted)	—	4.40 (Non-Ducted) 3.00 (Ducted)
COP2@5°F (-15°C)			—	2.11 (Non-Ducted) 1.49 (Ducted)	—	2.16 (Non-Ducted) 1.61 (Ducted)
EER2			12.0 (Non-Ducted) 9.0 (Ducted)	—	11.7 (Non-Ducted) 8.5 (Ducted)	—
SEER2 / HSPF2			16.0 (Non-Ducted) 14.3 (Ducted)	8.7 (Non-Ducted) 7.7 (Ducted)	18.0 (Non-Ducted) 14.9 (Ducted)	9.7 (Non-Ducted) 7.8 (Ducted)
Casing Color			Ivory White		Ivory White	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC63AAXD		2YC63AAXD	
	Motor Output	W	1,920		1,920	
Refrigerant Oil	Model		FVC50K		FVC50K	
	Charge	fl oz (L)	30.4 (0.9)		30.4 (0.9)	
Refrigerant	Type		R410A		R410A	
	Charge	lbs (kg)	6.17 (2.8)		6.17 (2.8)	
Airflow Rates	H	cfm	2,151	2,180	2,094	2,094
	M		2,151	2,180	2,094	1,979
	L		1,950	1,118	1,979	1,118
	H	m³/min	60.9	61.7	59.3	59.3
	M		60.9	61.7	59.3	56.0
	L		55.2	31.6	56.0	31.6
Fan	Type		Propeller		Propeller	
	Motor Output	W	78		89	
	Running Current (H / M / L)	A	0.29 / 0.29 / 0.22	0.30 / 0.30 / 0.05	0.27 / 0.27 / 0.23	0.27 / 0.23 / 0.05
	Power Consumption (H / M / L)	W	60.1 / 60.1 / 46.1	62.3 / 62.3 / 11.1	55.8 / 55.8 / 48.0	55.8 / 48.0 / 11.1
Starting Current			15.5		17.5	
Dimensions (H × W × D)			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)			31-7/8 × 41-3/8 × 17-1/2 (810 × 1,050 × 444)		31-7/8 × 41-3/8 × 17-1/2 (810 × 1,050 × 444)	
Weight (Mass)			142 (64)		143 (65)	
Gross Weight (Gross Mass)			152 (69)		153 (69)	
Sound Pressure Level			50	51	52	54
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 2 (ϕ 6.4 × 2)		ϕ 1/4 × 3 (ϕ 6.4 × 3)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 1)		ϕ 3/8 × 1, ϕ 1/2 × 2 (ϕ 9.5 × 1, ϕ 12.7 × 2)	
	Drain	in. (mm)	I.D. ϕ 5/8 (ϕ 15.9)		I.D. ϕ 5/8 (ϕ 15.9)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)		3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length	ft (m)		164 (50) (for Total of Each Room)		230 (70) (for Total of Each Room)	
	ft (m)		82 (25) (for One Room)		82 (25) (for One Room)	
Amount of Additional Charge			0.21 (20) (98-3/8 ft (30 m) or more)		0.21 (20) (131-1/4 ft (40 m) or more)	
Max. Installation Height Difference	ft (m)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
	ft (m)		24-5/8 (7.5) (Between Indoor Units)		24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB)	Indoor : 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	Indoor : 70°FDB (21°CDB) / 60°FWB (15.6°CWB)
			Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB)	Outdoor : 95°FDB (35°CDB) / 75°FWB (24°CWB)	Outdoor : 47°FDB (8.3°CDB) / 43°FWB (6°CWB)
Drawing No.			Piping length: 25 ft (7.5 m) C: 3D141378		Piping length: 25 ft (7.5 m) C: 3D141381	

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			4MXL36WVJU9	
			Cooling	Heating
Power Supply		Phase	1 ϕ	
		Hz, V	60 Hz, 208 - 230 V	
COP2		W/W	—	4.26 (Non-Ducted) 3.30 (Ducted)
COP2@5°F (-15°C)		W/W	—	2.00 (Non-Ducted) 1.75 (Ducted)
EER2		Btu/W-h	11.7 (Non-Ducted) 9.3 (Ducted)	—
SEER2 / HSPF2			20.0 (Non-Ducted) 15.9 (Ducted)	9.0 (Non-Ducted) 8.1 (Ducted)
Casing Color			Ivory White	
Compressor	Type		Hermetically Sealed Swing Type	
	Model		2YC90KXD	
	Motor Output	W	3,000	
Refrigerant Oil	Model		FVC50K	
	Charge	fl oz (L)	51.4 (1.52)	
Refrigerant	Type		R410A	
	Charge	lbs (kg)	8.60 (3.9)	
Airflow Rates	H	cfm	3,684	3,356
	M		3,029	3,138
	L		2,756	1,500
	H	m ³ /min	104.3	95.0
	M		85.8	88.9
	L		78.0	42.5
Fan	Type		Propeller	
	Motor Output	W	126	
	Running Current (H / M / L)	A	0.76 / 0.45 / 0.35	0.59 / 0.49 / 0.17
	Power Consumption (H / M / L)	W	158.5 / 93.3 / 73.2	122.9 / 102.5 / 34.9
	Starting Current	A	27.0	
Dimensions (H × W × D)		in. (mm)	34-1/4 × 43-5/16 × 18-1/8 (870 × 1,100 × 460)	
Packaged Dimensions (H × W × D)		in. (mm)	39-15/16 × 46-7/8 × 21-15/16 (1,014 × 1,190 × 558)	
Weight (Mass)		lbs (kg)	214 (97)	
Gross Weight (Gross Mass)		lbs (kg)	229 (104)	
Sound Pressure Level		dB(A)	53	55
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 4 (ϕ 6.4 × 4)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 2, ϕ 5/8 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 2, ϕ 15.9 × 1)	
	Drain	in. (mm)	I.D. ϕ 1 (ϕ 25)	
Heat Insulation			Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length	ft (m)		230 (70) (for Total of Each Room)	
	ft (m)		98 (30) (for One Room)	
Amount of Additional Charge		oz/ft (g/m)	0.21 (20) (131-1/4 ft (40 m) or more)	
Max. Installation Height Difference	ft (m)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
	ft (m)		24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°FWB (19.4°CWB) Outdoor ; 95°FDB (35°CDB) / 75°FWB (24°CWB)	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: 3D141407	

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

Model			2MXLH18WVJU9		3MXLH24WVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply		Phase	1 ϕ		1 ϕ	
		Hz, V	60 Hz, 208 - 230 V		60 Hz, 208 - 230 V	
COP2		W/W	—	4.20 (Non-Ducted) 3.12 (Ducted)	—	4.40 (Non-Ducted) 3.00 (Ducted)
COP2@5°F (-15°C)		W/W	—	2.00 (Non-Ducted) 1.39 (Ducted)	—	2.03 (Non-Ducted) 1.53 (Ducted)
EER2		Btu/W·h	12.0 (Non-Ducted) 9.0 (Ducted)	—	11.7 (Non-Ducted) 8.5 (Ducted)	—
SEER2 / HSPF2			16.0 (Non-Ducted) 14.3 (Ducted)	8.5 (Non-Ducted) 7.5 (Ducted)	18.0 (Non-Ducted) 14.9 (Ducted)	9.3 (Non-Ducted) 7.5 (Ducted)
Casing Color			Ivory White		Ivory White	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2YC63AAXD		2YC63AAXD	
	Motor Output	W	1,920		1,920	
Refrigerant Oil	Model		FVC50K		FVC50K	
	Charge	fl oz (L)	30.4 (0.9)		30.4 (0.9)	
Refrigerant	Type		R410A		R410A	
	Charge	lbs (kg)	6.17 (2.8)		6.17 (2.8)	
Airflow Rates	H	cfm	2,151	2,180	2,094	2,094
	M		2,151	2,180	2,094	1,979
	L		1,950	1,118	1,979	1,118
	H	m³/min	60.9	61.7	59.3	59.3
	M		60.9	61.7	59.3	56.0
	L		55.2	31.6	56.0	31.6
Fan	Type		Propeller		Propeller	
	Motor Output	W	78		89	
	Running Current (H / M / L)	A	0.29 / 0.29 / 0.22	0.30 / 0.30 / 0.05	0.27 / 0.27 / 0.23	0.27 / 0.23 / 0.05
	Power Consumption (H / M / L)	W	60.1 / 60.1 / 46.1	62.3 / 62.3 / 11.1	55.8 / 55.8 / 48.0	55.8 / 48.0 / 11.1
Starting Current		A	15.5		17.5	
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 × 41-3/8 × 17-1/2 (810 × 1,050 × 444)		31-7/8 × 41-3/8 × 17-1/2 (810 × 1,050 × 444)	
Weight (Mass)		lbs (kg)	143 (65)		144 (65)	
Gross Weight (Gross Mass)		lbs (kg)	153 (70)		154 (70)	
Sound Pressure Level		dB(A)	50	51	52	54
Piping Connection	Liquid	in. (mm)	ϕ 1/4 × 2 (ϕ 6.4 × 2)		ϕ 1/4 × 3 (ϕ 6.4 × 3)	
	Gas	in. (mm)	ϕ 3/8 × 1, ϕ 1/2 × 1 (ϕ 9.5 × 1, ϕ 12.7 × 1)		ϕ 3/8 × 1, ϕ 1/2 × 2 (ϕ 9.5 × 1, ϕ 12.7 × 2)	
	Drain	in. (mm)	I.D. ϕ 5/8 (ϕ 15.9)		I.D. ϕ 5/8 (ϕ 15.9)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
No. of Wiring Connections			3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)		3 for Power Supply, 4 for Interunit Wiring (Including Ground Wiring)	
Max. Interunit Piping Length	ft (m)		164 (50) (for Total of Each Room)		230 (70) (for Total of Each Room)	
	ft (m)		82 (25) (for One Room)		82 (25) (for One Room)	
Amount of Additional Charge		oz/ft (g/m)	0.21 (20) (98-3/8 ft (30 m) or more)		0.21 (20) (131-1/4 ft (40 m) or more)	
Max. Installation Height Difference	ft (m)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)		49-1/4 (15) (Between Indoor Unit and Outdoor Unit)	
	ft (m)		24-5/8 (7.5) (Between Indoor Units)		24-5/8 (7.5) (Between Indoor Units)	
Conditions Based on			Indoor ; 80°FDB (26.7°CDB) / 67°F WB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°F WB (15.6°CWB)	Indoor ; 80°FDB (26.7°CDB) / 67°F WB (19.4°CWB)	Indoor ; 70°FDB (21°CDB) / 60°F WB (15.6°CWB)
			Outdoor ; 95°FDB (35°CDB) / 75°F WB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°F WB (6°CWB)	Outdoor ; 95°FDB (35°CDB) / 75°F WB (24°CWB)	Outdoor ; 47°FDB (8.3°CDB) / 43°F WB (6°CWB)
			Piping length: 25 ft (7.5 m)		Piping length: 25 ft (7.5 m)	
Drawing No.			C: 3D141379		C: 3D141382	

Conversion Formulae

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