



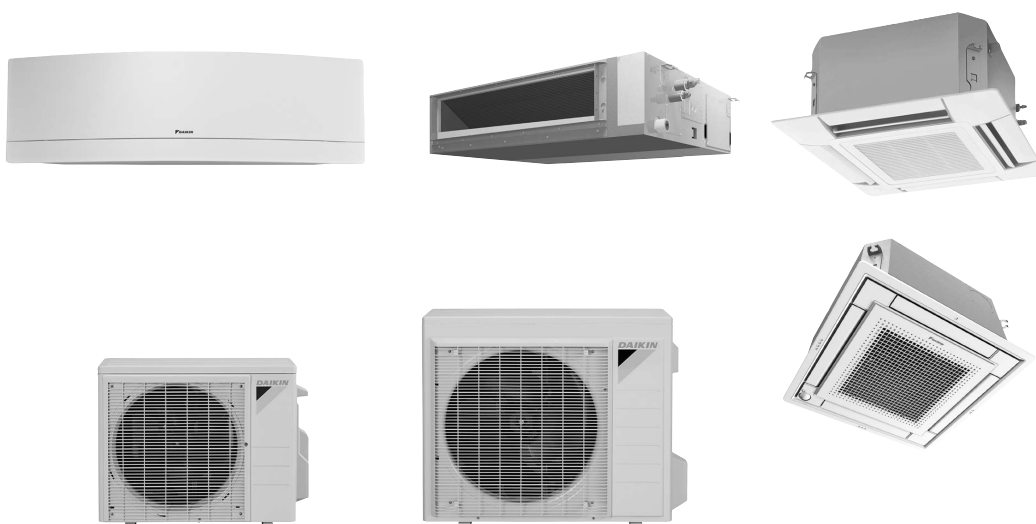
EDUS092212A

R-410A

Engineering Data

Split Type Air Conditioners - Heat Pump -

RX-W Series



INVERTER

Split Type Air Conditioners

RX-W Series

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1. Lineup

Indoor Unit		Outdoor Unit	Power Supply
Wall mounted type	FTXR09WVJUW9	RX09WMVJU9	1 phase, 208 - 230 V, 60 Hz
	FTXR09WVJUS9	RX09WMVJU9	
	FTXR12WVJUW9	RX12WMVJU9	
	FTXR12WVJUS9	RX12WMVJU9	
	FTXR18WVJUW9	RX18WMVJU9	
	FTXR18WVJUS9	RX18WMVJU9	
Duct concealed type	FDMQ09WVJU9	RX09WMVJU9	
	FDMQ12WVJU9	RX12WMVJU9	
	FDMQ15WVJU9	RX15WMVJU9	
	FDMQ18WVJU9	RX18WMVJU9	
	FDMQ24WVJU9	RX24WMVJU9	
Ceiling mounted cassette type	FFQ09W2VJU9	RX09WMVJU9	
	FFQ12W2VJU9	RX12WMVJU9	
	FFQ15W2VJU9	RX15WMVJU9	
	FFQ18W2VJU9	RX18WMVJU9	

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

Category	Functions	Wall Mounted FTXR	Duct Concealed FDMQ		Ceiling Cassette FFQ			
					with BYFQ60B3W1		with BYFQ60C2W1W(S)	
			Wired R/C	Wireless R/C	Wired R/C	Wireless R/C	Wired R/C	Wireless R/C
Basic Function	Inverter (with inverter power control)	●	●	●	●	●	●	●
	Operation limit	Refer to page 55						
	PAM control	●	●	●	●	●	●	●
	Standby electricity saving	—	—	—	—	—	—	—
Compressor	Swing compressor	●	●	●	●	●	●	●
	Reluctance DC motor	●	●	●	●	●	●	●
Comfortable Airflow	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	●	—	—	—	—	—	—
	Auto-swing	—	—	—	●	●	●	●
	Individual flap control	—	—	—	—	—	●	—
Comfort Control	Auto fan speed	●	●	—	●	—	●	—
	Switchable fan speed	5 steps	3 steps	3 steps	3 steps	3 steps	3 steps	3 steps
	Indoor unit quiet operation	●	—	—	—	—	—	—
	2 selectable temperature sensors	—	●	—	—	—	—	—
	Presence and floor sensor (option)	—	—	—	—	—	Option	—
	Hot-start function	●	●	●	●	●	●	●
	QUIET OUTDOOR UNIT operation (manual)	●	—	—	—	—	—	—
	INTELLIGENT EYE operation (auto energy saving)	●	—	—	—	—	—	—
	2-area INTELLIGENT EYE operation (comfort)	●	—	—	—	—	—	—
	Quick warming function	●	●	●	●	●	●	●
	Automatic defrosting	●	●	●	●	●	●	●
Operation	Automatic cooling/heating changeover	●	●	●	●	●	●	●
	Program dry operation	●	●	●	●	●	●	●
	Fan only	●	●	●	●	●	●	●
	Setback function	—	—	—	●	—	●	—
Lifestyle Convenience	Inverter POWERFUL operation	●	—	—	—	—	—	—
	ECONO operation	●	—	—	—	—	—	—
	Indoor unit ON/OFF switch	●	—	—	—	—	—	—
	Emergency operation switch	—	—	●	—	●	—	●
	Multi-colored indicator lamp	●	—	—	—	—	—	—
	Multi-colored lamp brightness setting	●	—	—	—	—	—	—
	Signal receiving sign	●	—	●★	—	●★	—	●★
	Remote controller with back light	●	●	—	●	—	●	—

Category	Functions	Wall Mounted FTXR	Duct Concealed FDMQ		Ceiling Cassette FFQ			
					with BYFQ60B3W1		with BYFQ60C2W1W(S)	
			Wired R/C	Wireless R/C	Wired R/C	Wireless R/C	Wired R/C	Wireless R/C
Health and Cleanliness	Titanium apatite deodorizing filter	●	—	—	—	—	—	—
	Mold proof air filter	●	—	—	—	—	—	—
	Longlife filter	—	—	—	Option	Option	Option	Option
	Filter cleaning indicator	—	●	●	●	●	●	●
	Wipe-clean flat panel	●	—	—	—	—	—	—
	Silver ion anti-bacterial drain pan	—	●	●	—	—	—	—
Timer	WEEKLY TIMER operation	●	—	—	—	—	—	—
	Schedule timer	—	●	—	●	—	●	—
	Setpoint auto reset	—	●	—	—	—	—	—
	Setpoint range set	—	●	—	—	—	—	—
	24-hour ON/OFF TIMER	●	●	—	●	—	●	—
	72-hour ON/OFF TIMER	—	—	●	—	●	—	●
	Off timer (turns unit off after set time)	—	●	—	●	—	●	—
	NIGHT SET mode	●	—	—	—	—	—	—
Remote Control	Remote control adaptor (normal open pulse contact)	Option	—	—	—	—	—	—
	Remote control adaptor (normal open contact)	Option	—	—	—	—	—	—
	DIII-NET compatible (adaptor)	Option	Option	Option	Option	Option	Option	Option
	Wireless LAN connection	Option	Option	Option	Option	Option	Option	Option
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	●	●	●	●	●	●	●
	Either side drain (right or left)	●	—	—	—	—	—	—
	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	—	●	●	●	●	●	●
	Low temperature cooling operation (14°F) (-10°C)	●	●	●	●	●	●	●
	Low temperature cooling operation (-4°F) (-20°C) Requires wind baffle and field settings	●	●	●	●	●	●	●
	°F/°C changeover R/C temperature display (factory setting: °F)	●	●	(°F only)	●	(°F only)	●	(°F only)

● : Available

★ : Receiving sound only

— : Not available

3. Specifications

Model			Indoor Unit		FTXR09WVJUW9		FTXR09WVJUS9	
			Outdoor Unit		RX09WMVJU9		RX09WMVJU9	
		Cooling			Heating	Cooling	Heating	
Power Supply			1 ϕ, 208 - 230 V, 60 Hz				1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	9,000 (4,500 - 10,600)		10,000 (4,100 - 14,600)		9,000 (4,500 - 10,600) 10,000 (4,100 - 14,600)	
Running Current (Rated)		A	4.28 - 3.87		3.83 - 3.46		4.28 - 3.87 3.83 - 3.46	
Power Consumption (Rated)		W	819 - 819		733 - 733		819 - 819 733 - 733	
Power Factor (Rated)		%	92.0 - 92.0		92.0 - 92.1		92.0 - 92.0 92.0 - 92.1	
SEER2 / HSPF2			18.00		7.50		18.00 7.50	
EER2 (Rated)		Btu/h·W	11.00		—		11.00 —	
COP2 (Rated)		W/W	—		4.00		— 4.00	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)				ϕ 1/4 (6.4)	
	Gas	in. (mm)	ϕ 3/8 (9.5)				ϕ 3/8 (9.5)	
	Drain	in. (mm)	ϕ 11/16 (18)				ϕ 11/16 (18)	
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)	32-3/4 (10)				32-3/4 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)				0.21 (20)	
Indoor Unit			FTXR09WVJUW9				FTXR09WVJUS9	
Front Panel Color			White				Silver	
Airflow Rate	H / M / L / SL	cfm m³/min	272 / 208 / 162 / 134 7.7 / 5.9 / 4.6 / 3.8		346 / 258 / 201 / 117 9.8 / 7.3 / 5.7 / 3.3		272 / 208 / 162 / 134 7.7 / 5.9 / 4.6 / 3.8 346 / 258 / 201 / 117 9.8 / 7.3 / 5.7 / 3.3	
Fan	Type / Speed	Steps	Cross Flow Fan / 5 Steps, Quiet, Auto				Cross Flow Fan / 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	
Outdoor Unit			RX09WMVJU9				RX09WMVJU9	
Casing Color			Ivory White				Ivory White	
Heat Exchanger		Fin Spec / Tube	Waffle Fin (PE) / ϕ 7 Hi-XSL Tube				Waffle Fin (PE) / ϕ 7 Hi-XSL Tube	
Fan Motor		Motor Output HP	0.03				0.03	
Compressor	Type		Hermetically Sealed Swing Type				Hermetically Sealed Swing Type	
	Model		1YC23AUXD				1YC23AUXD	
Refrigerant Oil	Type		FVC50K				FVC50K	
	Charge	oz (L)	12.68 (0.375)				12.68 (0.375)	
Refrigerant	Type		R-410A				R-410A	
	Charge	lbs (kg)	2.09 (0.95)				2.09 (0.95)	
Airflow Rate		cfm (m³/min)	985 (27.9)		1,144 (32.4)		985 (27.9) 1,144 (32.4)	
Fan	Type		Propeller				Propeller	
Running Current (Rated)		A	4.21 - 3.80		3.70 - 3.34		4.21 - 3.80 3.70 - 3.34	
Power Consumption (Rated)		W	806 - 806		707 - 707		806 - 806 707 - 707	
Power Factor (Rated)		%	92.0 - 92.2		95.2 - 95.4		92.0 - 92.2 95.2 - 95.4	
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)	23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)				23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)	
Weight (Mass)		lbs (kg)	63 (29)				63 (29)	
Gross Weight (Gross Mass)		lbs (kg)	68 (31)				68 (31)	
Sound Pressure Level		dB(A)	46		50		46 50	
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)		70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB) 70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)		47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB) 47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	
	Piping Length		25 ft (7.5 m)				25 ft (7.5 m)	
Drawing No.			C: 3D143145				C: 3D143145	
Note(s)			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		FTXR12WVJUW9		FTXR12WVJUS9	
	Outdoor Unit		RX12WMVJU9		RX12WMVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ, 208 - 230 V, 60 Hz		1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	12,000 (4,500 - 12,800)	13,500 (4,100 - 15,800)	12,000 (4,500 - 12,800)	13,500 (4,100 - 15,800)
Running Current (Rated)		A	5.46 - 4.94	5.60 - 5.06	5.46 - 4.94	5.60 - 5.06
Power Consumption (Rated)		W	1,091 - 1,091	1,106 -1,106	1,091 - 1,091	1,106 - 1,106
Power Factor (Rated)		%	96.1 - 96.0	95.0 - 95.0	96.1 - 96.0	95.0 - 95.0
SEER2 / HSPF2			17.00	8.00	17.00	8.00
EER2 (Rated)		Btu/h·W	11.00	—	11.00	—
COP2 (Rated)		W/W	—	3.58	—	3.58
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)		ϕ 1/4 (6.4)	
	Gas	in. (mm)	ϕ 3/8 (9.5)		ϕ 3/8 (9.5)	
	Drain	in. (mm)	ϕ 11/16 (18)		ϕ 11/16 (18)	
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)	32-3/4 (10)		32-3/4 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)		0.21 (20)	
Indoor Unit			FTXR12WVJUW9		FTXR12WVJUS9	
Front Panel Color			White		Silver	
Airflow Rate	H / M / L / SL	cfm	335 / 219 / 169 / 131	395 / 290 / 226 / 131	335 / 219 / 169 / 131	395 / 290 / 226 / 131
		m³/min	9.5 / 6.2 / 4.8 / 3.7	11.2 / 8.2 / 6.4 / 3.7	9.5 / 6.2 / 4.8 / 3.7	11.2 / 8.2 / 6.4 / 3.7
Fan	Type / Speed	Steps	Cross Flow Fan / 5 Steps, Quiet, Auto		Cross Flow Fan / 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
Outdoor Unit			RX12WMVJU9		RX12WMVJU9	
Casing Color			Ivory White		Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube	
Fan Motor	Motor Output	HP	0.03		0.03	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		1YC23AUXD		1YC23AUXD	
Refrigerant Oil	Type		FVC50K		FVC50K	
	Charge	oz (L)	12.68 (0.375)		12.68 (0.375)	
Refrigerant	Type		R-410A		R-410A	
	Charge	lbs (kg)	2.09 (0.95)		2.09 (0.95)	
Airflow Rate		cfm (m³/min)	1,105 (31.3)	1,144 (32.4)	1,105 (31.3)	1,144 (32.4)
Fan	Type		Propeller		Propeller	
Running Current (Rated)		A	5.33 - 4.82	5.41 - 4.89	5.33 - 4.82	5.41 - 4.89
Power Consumption (Rated)		W	1,065 - 1,065	1,068 - 1,068	1,065 - 1,065	1,068 - 1,068
Power Factor (Rated)		%	96.1 - 96.1	94.9 - 95.0	96.1 - 96.1	94.9 - 95.0
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)	23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)		23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)	
Weight (Mass)		lbs (kg)	63 (29)		63 (29)	
Gross Weight (Gross Mass)		lbs (kg)	68 (31)		68 (31)	
Sound Pressure Level		dB(A)	49	51	49	51
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft (7.5 m)		25 ft (7.5 m)	
Drawing No.			C: 3D143146		C: 3D143146	
Note(s)			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		FTXR18WVJUW9		FTXR18WVJUS9	
		Outdoor Unit		RX18WMVJU9		RX18WMVJU9	
				Cooling	Heating	Cooling	Heating
Power Supply				1 ϕ, 208 - 230 V, 60 Hz		1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	18,000 (5,100 - 18,500)	20,000 (5,800 - 21,200)	18,000 (5,100 - 18,500)	20,000 (5,800 - 21,200)	
Running Current (Rated)		A	9.29 - 8.40	8.70 - 7.89	9.29 - 8.40	8.70 - 7.89	
Power Consumption (Rated)		W	1,875 - 1,875	1,755 - 1,755	1,875 - 1,875	1,755 - 1,755	
Power Factor (Rated)		%	97.0 - 97.0	97.0 - 97.0	97.0 - 97.0	97.0 - 97.0	
SEER2 / HSPF2			14.50	7.80	14.50	7.80	
EER2 (Rated)		Btu/h·W	9.60	—	9.60	—	
COP2 (Rated)		W/W	—	3.34	—	3.34	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)		ϕ 1/4 (6.4)		
	Gas	in. (mm)	ϕ 1/2 (12.7)		ϕ 1/2 (12.7)		
	Drain	in. (mm)	ϕ 11/16 (18)		ϕ 11/16 (18)		
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)	32-3/4 (10)		32-3/4 (10)		
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)		0.21 (20)		
Indoor Unit			FTXR18WVJUW9		FTXR18WVJUS9		
Front Panel Color			White		Silver		
Airflow Rate	H / M / L / SL	cfm	350 / 275 / 226 / 208	413 / 332 / 275 / 208	350 / 275 / 226 / 208	413 / 332 / 275 / 208	
		m³/min	9.9 / 7.8 / 6.4 / 5.9	11.7 / 9.4 / 7.8 / 5.9	9.9 / 7.8 / 6.4 / 5.9	11.7 / 9.4 / 7.8 / 5.9	
Fan	Type / Speed	Steps	Cross Flow Fan / 5 Steps, Quiet, Auto		Cross Flow Fan / 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	
Outdoor Unit			RX18WMVJU9		RX18WMVJU9		
Casing Color			Ivory White		Ivory White		
Heat Exchanger		Fin Spec / Tube	Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		
Fan Motor		Motor Output HP	0.12		0.12		
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type		
	Model		2YC36PXD		2YC36PXD		
Refrigerant Oil	Type		FVC50K		FVC50K		
	Charge	oz (L)	21.98 (0.650)		21.98 (0.650)		
Refrigerant	Type		R-410A		R-410A		
	Charge	lbs (kg)	2.49 (1.13)		2.49 (1.13)		
Airflow Rate		cfm (m³/min)	2,461 (69.7)	2,553 (72.3)	2,461 (69.7)	2,553 (72.3)	
Fan	Type		Propeller		Propeller		
Running Current (Rated)		A	9.22 - 8.33	8.57 - 7.77	9.22 - 8.33	8.57 - 7.77	
Power Consumption (Rated)		W	1,847 - 1,847	1,713 - 1,713	1,847 - 1,847	1,713 - 1,713	
Power Factor (Rated)		%	96.3 - 96.4	96.1 - 95.9	96.3 - 96.4	96.1 - 95.9	
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)	100 (45)		100 (45)		
Gross Weight (Gross Mass)		lbs (kg)	110 (50)		110 (50)		
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)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	
	Piping Length		25 ft (7.5 m)		25 ft (7.5 m)		
Drawing No.			C: 3D143147A		C: 3D143147A		
Note(s)			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		FDMQ09WVJU9		FDMQ12WVJU9			
			Outdoor Unit		RX09WMVJU9		RX12WMVJU9			
			Cooling		Heating		Cooling		Heating	
Power Supply			1 ϕ , 208 - 230 V, 60 Hz				1 ϕ , 208 - 230 V, 60 Hz			
Capacity Rated (Min. - Max.)		Btu/h	9,000 (3,900 - 9,400)		10,900 (3,900 - 12,800)		10,800 (4,000 - 12,400)		13,600 (3,900 - 14,200)	
Running Current (Rated)		A	5.30 - 4.79		5.34 - 4.83		6.14 - 5.55		6.48 - 5.86	
Power Consumption (Rated)		W	1,059 - 1,059		1,065 - 1,065		1,227 - 1,227		1,329 - 1,329	
Power Factor (Rated)		%	96.1 - 96.1		95.9 - 95.8		96.1 - 96.2		98.6 - 98.6	
SEER2 / HSPF2			14.30		8.20		14.60		8.10	
EER2 (Rated)		Btu/h·W	8.50		—		8.80		—	
COP2 (Rated)		W/W	—		3.00		—		3.00	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)				ϕ 1/4 (6.4)			
	Gas	in. (mm)	ϕ 3/8 (9.5)				ϕ 3/8 (9.5)			
	Drain	in. (mm)	I.D. ϕ 1 (25) / O.D. ϕ 1-1/4 (32)				I.D. ϕ 1 (25) / O.D. ϕ 1-1/4 (32)			
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)	32-3/4 (10)				32-3/4 (10)			
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)				0.21 (20)			
Indoor Unit			FDMQ09WVJU9				FDMQ12WVJU9			
Heat Exchanger	Rows $\times$ Stages, Fin per Inch		3 $\times$ 26, 18				3 $\times$ 26, 18			
	Fin Spec / Tube		Multi Slit Fin / ϕ 5 Hi-XA Tube				Multi Slit Fin / ϕ 5 Hi-XA Tube			
Airflow Rate	H / M / L	cfm	293 / 265 / 233		293 / 265 / 233		371 / 318 / 261		371 / 318 / 261	
		m ³ /min	8.3 / 7.5 / 6.6		8.3 / 7.5 / 6.6		10.5 / 9.0 / 7.4		10.5 / 9.0 / 7.4	
Fan Motor	H / M / L	rpm	997 / 896 / 795		997 / 896 / 795		1,089 / 930 / 771		1,089 / 930 / 771	
	Motor Output	HP	0.17				0.17			
Fan	Type		Sirocco Fan				Sirocco Fan			
External Static Pressure		inH ₂ O	Standard 0.20 (0.60 - 0.12)				Standard 0.20 (0.60 - 0.12)			
		Pa	Standard 50 (150 - 30)				Standard 50 (150 - 30)			
Running Current (Rated)		A	0.40 - 0.36		0.40 - 0.36		0.44 - 0.40		0.44 - 0.40	
Power Consumption (Rated)		W	75 - 75		75 - 75		89 - 89		89 - 89	
Power Factor (Rated)		%	90.2 - 90.7		90.2 - 90.7		97.0 - 97.6		97.0 - 97.6	
Temperature Control			Microcomputer Control				Microcomputer Control			
Dimensions (H $\times$ W $\times$ D)		in. (mm)	9-5/8 $\times$ 27-9/16 $\times$ 31-1/2 (245 $\times$ 700 $\times$ 800)				9-5/8 $\times$ 27-9/16 $\times$ 31-1/2 (245 $\times$ 700 $\times$ 800)			
Packaged Dimensions (H $\times$ W $\times$ D)		in. (mm)	11-9/16 $\times$ 35-3/8 $\times$ 34-7/8 (293 $\times$ 899 $\times$ 886)				11-9/16 $\times$ 35-3/8 $\times$ 34-7/8 (293 $\times$ 899 $\times$ 886)			
Weight (Mass)		lbs (kg)	64 (29)				64 (29)			
Gross Weight (Gross Mass)		lbs (kg)	71 (32)				71 (32)			
Sound Pressure Level		dB(A)	32		32		33		33	
Remote Controller (Option)	Wired		BRC1E73				BRC1E73			
	Wireless		BRC082A43				BRC082A43			
Outdoor Unit			RX09WMVJU9				RX12WMVJU9			
Casing Color			Ivory White				Ivory White			
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube				Waffle Fin (PE) / ϕ 7 Hi-XSL Tube			
Fan Motor	Motor Output	HP	0.03				0.03			
Compressor	Type		Hermetically Sealed Swing Type				Hermetically Sealed Swing Type			
	Model		1YC23AUXD				1YC23AUXD			
Refrigerant Oil	Type		FVC50K				FVC50K			
	Charge	oz (L)	12.68 (0.375)				12.68 (0.375)			
Refrigerant	Type		R-410A				R-410A			
	Charge	lbs (kg)	2.09 (0.95)				2.09 (0.95)			
Airflow Rate		cfm (m ³ /min)	985 (27.9)		1,144 (32.4)		1,105 (31.3)		1,144 (32.4)	
Fan	Type		Propeller				Propeller			
Running Current (Rated)		A	4.90 - 4.43		4.94 - 4.47		5.70 - 5.15		6.04 - 5.46	
Power Consumption (Rated)		W	984 - 984		990 - 990		1,138 - 1,138		1,240 - 1,240	
Power Factor (Rated)		%	96.5 - 96.6		96.3 - 96.3		96.0 - 96.1		98.7 - 98.7	
Dimensions (H $\times$ W $\times$ D)		in. (mm)	21-5/8 $\times$ 26-9/16 $\times$ 11-3/16 (550 $\times$ 675 $\times$ 284)				21-5/8 $\times$ 26-9/16 $\times$ 11-3/16 (550 $\times$ 675 $\times$ 284)			
Packaged Dimensions (H $\times$ W $\times$ D)		in. (mm)	23-13/16 $\times$ 31-7/16 $\times$ 14-11/16 (605 $\times$ 798 $\times$ 373)				23-13/16 $\times$ 31-7/16 $\times$ 14-11/16 (605 $\times$ 798 $\times$ 373)			
Weight (Mass)		lbs (kg)	63 (29)				63 (29)			
Gross Weight (Gross Mass)		lbs (kg)	68 (31)				68 (31)			
Sound Pressure Level		dB(A)	46		50		49		51	
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)		70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)		70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)		47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)		47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	
	Piping Length		25 ft (7.5 m)				25 ft (7.5 m)			
Drawing No.			C: 3D143150A				C: 3D143150A			
Note(s)			SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 13 stages by remote controller. 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 $\times$ 860
 Btu/h = kW $\times$ 3412
 cfm = m³/min $\times$ 35.3

Model			Indoor Unit		FDMQ15WVJU9		FDMQ18WVJU9	
			Outdoor Unit		RX15WMVJU9		RX18WMVJU9	
			Cooling	Heating	Cooling	Heating		
Power Supply			1 ϕ, 208 - 230 V, 60 Hz		1 ϕ, 208 - 230 V, 60 Hz			
Capacity Rated (Min. - Max.)		Btu/h	14,400 (5,100 - 15,700)	18,000 (5,600 - 18,500)	17,600 (5,100 - 19,600)	21,600 (5,700 - 22,200)		
Running Current (Rated)		A	7.25 - 6.56	8.72 - 7.89	9.16 - 8.28	10.41 - 9.41		
Power Consumption (Rated)		W	1,440 - 1,440	1,758 - 1,758	1,872 - 1,872	2,110 - 2,110		
Power Factor (Rated)		%	95.5 - 95.4	96.9 - 96.9	98.3 - 98.3	97.4 - 97.5		
SEER2 / HSPF2			15.30	8.20	15.30	8.20		
EER2 (Rated)		Btu/h-W	10.00	—	9.40	—		
COP2 (Rated)		W/W	—	3.00	—	3.00		
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)		ϕ 1/4 (6.4)			
	Gas	in. (mm)	ϕ 1/2 (12.7)		ϕ 1/2 (12.7)			
	Drain	in. (mm)	I.D. ϕ 1 (25) / O.D. ϕ 1-1/4 (32)		I.D. ϕ 1 (25) / O.D. ϕ 1-1/4 (32)			
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)	32-3/4 (10)		32-3/4 (10)			
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)		0.21 (20)			
Indoor Unit			FDMQ15WVJU9		FDMQ18WVJU9			
Heat Exchanger	Rows × Stages, Fin per Inch		2 × 26, 18		3 × 26, 18			
	Fin Spec / Tube		Multi Slit Fin / ϕ 5 Hi-XA Tube		Multi Slit Fin / ϕ 5 Hi-XA Tube			
Airflow Rate	H / M / L	cfm	448 / 399 / 350	448 / 399 / 350	614 / 523 / 431	614 / 523 / 431		
		m³/min	12.7 / 11.3 / 9.9	12.7 / 11.3 / 9.9	17.4 / 14.8 / 12.2	17.4 / 14.8 / 12.2		
Fan Motor	H / M / L	rpm	926 / 822 / 717	926 / 822 / 717	1,023 / 870 / 717	1,023 / 870 / 717		
	Motor Output	HP	0.31		0.31			
Fan	Type		Sirocco Fan		Sirocco Fan			
External Static Pressure		inH₂O	Standard 0.20 (0.60 - 0.20)		Standard 0.20 (0.60 - 0.20)			
		Pa	Standard 50 (150 - 50)		Standard 50 (150 - 50)			
Running Current (Rated)		A	0.58 - 0.52	0.58 - 0.52	0.69 - 0.62	0.69 - 0.62		
Power Consumption (Rated)		W	104 - 104	104 - 104	131 - 131	131 - 131		
Power Factor (Rated)		%	85.8 - 87.1	85.8 - 87.1	91.2 - 92.2	91.2 - 92.2		
Temperature Control			Microcomputer Control		Microcomputer Control			
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)			
Packaged Dimensions (H × W × D)		in. (mm)	11-9/16 × 47-3/16 × 34-7/8 (293 × 1,199 × 886)		11-9/16 × 47-3/16 × 34-7/8 (293 × 1,199 × 886)			
Weight (Mass)		lbs (kg)	77 (35)		82 (37)			
Gross Weight (Gross Mass)		lbs (kg)	84 (38)		88 (40)			
Sound Pressure Level		dB(A)	34	34	35	35		
Remote Controller (Option)	Wired		BRC1E73		BRC1E73			
	Wireless		BRC082A43		BRC082A43			
Outdoor Unit			RX15WMVJU9		RX18WMVJU9			
Casing Color			Ivory White		Ivory White			
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube			
Fan Motor	Motor Output	HP	0.10		0.12			
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type			
	Model		2YC36PXD		2YC36PXD			
Refrigerant Oil	Type		FVC50K		FVC50K			
	Charge	oz (L)	21.98 (0.650)		21.98 (0.650)			
Refrigerant	Type		R-410A		R-410A			
	Charge	lbs (kg)	2.49 (1.13)		2.49 (1.13)			
Airflow Rate		cfm (m³/min)	2,313 (65.5)	2,108 (59.7)	2,461 (69.7)	2,553 (72.3)		
Fan	Type		Propeller		Propeller			
Running Current (Rated)		A	6.67 - 6.04	8.14 - 7.37	8.47 - 7.66	9.72 - 8.79		
Power Consumption (Rated)		W	1,336 - 1,336	1,654 - 1,654	1,741 - 1,741	1,979 - 1,979		
Power Factor (Rated)		%	96.3 - 96.2	97.7 - 97.6	98.8 - 98.8	97.9 - 97.9		
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)	100 (45)		100 (45)			
Gross Weight (Gross Mass)		lbs (kg)	110 (50)		110 (50)			
Sound Pressure Level		dB(A)	50	51	54	55		
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)			
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)			
	Piping Length		25 ft (7.5 m)		25 ft (7.5 m)			
Drawing No.			C: 3D143151A		C: 3D143151A			
Note(s)			SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 11 stages by remote controller. 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 $\times$ 860
 Btu/h = kW $\times$ 3412
 cfm = m³/min $\times$ 35.3

Indoor Unit			FDMQ24WVJU9	
Model	Outdoor Unit		RX24WMVJU9	
			Cooling	Heating
Power Supply			1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	21,800 (5,500 - 23,000)	24,000 (6,400 - 26,600)
Running Current (Rated)		A	10.56 - 9.55	11.37 - 10.28
Power Consumption (Rated)		W	2,180 - 2,180	2,345 - 2,345
Power Factor (Rated)		%	99.2 - 99.2	99.2 - 99.2
SEER2 / HSPF2			15.20	8.10
EER2 (Rated)		Btu/h·W	10.00	—
COP2 (Rated)		W/W	—	3.00
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)	
	Gas	in. (mm)	ϕ 5/8 (15.9)	
	Drain	in. (mm)	I.D. ϕ 1 (25) / O.D. ϕ 1-1/4 (32)	
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)	32-3/4 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)	
Indoor Unit			FDMQ24WVJU9	
Heat Exchanger	Rows × Stages, Fin per Inch		3 × 26, 18	
	Fin Spec / Tube		Multi Slit Fin / ϕ 5 Hi-XA Tube	
Airflow Rate	H / M / L	cfm	731 / 621 / 512	731 / 621 / 512
		m³/min	20.7 / 17.6 / 14.5	20.7 / 17.6 / 14.5
Fan Motor	H / M / L	rpm	1,119 / 951 / 783	1,119 / 951 / 783
	Motor Output	HP	0.31	
Fan	Type		Sirocco Fan	
External Static Pressure		inH ₂ O	Standard 0.20 (0.60 - 0.20)	
		Pa	Standard 50 (150 - 50)	
Running Current (Rated)		A	0.82 - 0.74	0.82 - 0.74
Power Consumption (Rated)		W	167 - 167	167 - 167
Power Factor (Rated)		%	97.8 - 97.5	97.8 - 97.5
Temperature Control			Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)	
Packaged Dimensions (H × W × D)		in. (mm)	11-9/16 × 47-3/16 × 34-7/8 (293 × 1,199 × 886)	
Weight (Mass)		lbs (kg)	82 (37)	
Gross Weight (Gross Mass)		lbs (kg)	88 (40)	
Sound Pressure Level		dB(A)	40	40
Remote Controller (Option)		Wired	BRC1E73	
		Wireless	BRC082A43	
Outdoor Unit			RX24WMVJU9	
Casing Color			Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube	
Fan Motor	Motor Output	HP	0.12	
Compressor	Type		Hermetically Sealed Swing Type	
	Model		2YC36PXD	
Refrigerant Oil	Type		FVC50K	
	Charge	oz (L)	21.98 (0.650)	
Refrigerant	Type		R-410A	
	Charge	lbs (kg)	3.20 (1.45)	
Airflow Rate		cfm (m³/min)	2,641 (74.8)	2,641 (74.8)
Fan	Type		Propeller	
Running Current (Rated)		A	9.74 - 8.81	10.55 - 9.54
Power Consumption (Rated)		W	2,013 - 2,013	2,178 - 2,178
Power Factor (Rated)		%	99.4 - 99.3	99.3 - 99.3
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)	109 (50)	
Gross Weight (Gross Mass)		lbs (kg)	120 (54)	
Sound Pressure Level		dB(A)	56	58
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft (7.5 m)	
Drawing No.			C: 3D143151A	
Note(s)			SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 11 stages by remote controller. 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 $\times$ 860
 Btu/h = kW $\times$ 3412
 cfm = m³/min $\times$ 35.3

Model		Indoor Unit	FFQ09W2VJU9		FFQ12W2VJU9	
		Outdoor Unit	RX09WMVJU9		RX12WMVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ, 208 - 230 V, 60 Hz		1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	9,100 (4,600 - 11,000)	10,000 (4,600 - 14,000)	10,800 (4,600 - 13,300)	13,500 (4,600 - 16,800)
Running Current (Rated)		A	3.94 - 3.56	3.74 - 3.38	5.01 - 4.53	5.45 - 4.93
Power Consumption (Rated)		W	758 - 758	698 - 698	939 - 939	1,081 - 1,081
Power Factor (Rated)		%	92.5 - 92.5	89.7 - 89.9	90.1 - 90.1	95.4 - 95.4
SEER2 / HSPF2			19.80	9.40	19.50	9.00
EER2 (Rated)		Btu/h·W	12.00	—	11.50	—
COP2 (Rated)		W/W	—	4.20	—	3.66
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)		ϕ 1/4 (6.4)	
	Gas	in. (mm)	ϕ 3/8 (9.5)		ϕ 3/8 (9.5)	
	Drain	in. (mm)	VP20 (O.D. ϕ 1-1/32 (26))		VP20 (O.D. ϕ 1-1/32 (26))	
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)	32-3/4 (10)		32-3/4 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)		0.21 (20)	
Indoor Unit			FFQ09W2VJU9		FFQ12W2VJU9	
Decoration Panel (1)	Model (Color)		BYFQ60B3W1 (White)		BYFQ60B3W1 (White)	
	Dimensions (H × W × D)	in. (mm)	2-3/16 × 27-9/16 × 27-9/16 (55 × 700 × 700)		2-3/16 × 27-9/16 × 27-9/16 (55 × 700 × 700)	
	Weight (Mass)	lbs (kg)	6.0 (2.7)		6.0 (2.7)	
Decoration Panel (2)	Model (Color)		BYFQ60C2W1W (White) / BYFQ60C2W1S (Silver)		BYFQ60C2W1W (White) / BYFQ60C2W1S (Silver)	
	Dimensions (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)	
Heat Exchanger	Rows × Stages, Fin per Inch		2 × 16, 21		2 × 16, 21	
	Fin Spec / Tube		Slit Fin / ϕ 5 Hi-XA Tube		Slit Fin / ϕ 5 Hi-XA Tube	
Airflow Rate	H / M / L	cfm	378 / 339 / 268	399 / 357 / 282	406 / 353 / 268	427 / 371 / 282
		m³/min	10.7 / 9.6 / 7.6	11.3 / 10.1 / 8.0	11.5 / 10.0 / 7.6	12.1 / 10.5 / 8.0
Fan	Type / Speed		Turbo Fan / 3 Steps		Turbo Fan / 3 Steps	
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	23 - 23	27 - 27	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)	39 (17)		39 (17)	
Sound Pressure Level	H / M / L	dB(A)	38 / 35 / 29	38 / 35 / 29	39 / 36 / 30	39 / 36 / 30
Remote Controller (Option)	Wired		BRC1E73		BRC1E73	
	Wireless		BRC082A41W / BRC082A42W / BRC082A42S		BRC082A41W / BRC082A42W / BRC082A42S	
Outdoor Unit			RX09WMVJU9		RX12WMVJU9	
Casing Color			Ivory White		Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube	
Fan Motor	Motor Output	HP	0.03		0.03	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		1YC23AUXD		1YC23AUXD	
Refrigerant Oil	Type		FVC50K		FVC50K	
	Charge	oz (L)	12.68 (0.375)		12.68 (0.375)	
Refrigerant	Type		R-410A		R-410A	
	Charge	lbs (kg)	2.09 (0.95)		2.09 (0.95)	
Airflow Rate		cfm (m³/min)	985 (27.9)	1,144 (32.4)	1,105 (31.3)	1,144 (32.4)
Fan	Type		Propeller		Propeller	
Running Current (Rated)	A		3.71 - 3.35	3.51 - 3.17	4.74 - 4.29	5.18 - 4.69
Power Consumption (Rated)	W		735 - 735	675 - 675	912 - 912	1,054 - 1,054
Power Factor (Rated)	%		95.2 - 95.4	92.5 - 92.6	92.5 - 92.4	97.8 - 97.7
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)	23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)		23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)	
Weight (Mass)		lbs (kg)	63 (29)		63 (29)	
Gross Weight (Gross Mass)		lbs (kg)	68 (31)		68 (31)	
Sound Pressure Level		dB(A)	46	50	49	51
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft (7.5 m)		25 ft (7.5 m)	
Drawing No.			C: 3D143143A		C: 3D143143A	
Note(s)			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		FFQ15W2VJU9		FFQ18W2VJU9		
		Outdoor Unit		RX15WMVJU9		RX18WMVJU9		
				Cooling	Heating	Cooling	Heating	
Power Supply				1 ϕ, 208 - 230 V, 60 Hz		1 ϕ, 208 - 230 V, 60 Hz		
Capacity Rated (Min. - Max.)		Btu/h	14,400 (5,100 - 16,200)		16,200 (5,200 - 16,300)		17,400 (5,100 - 18,800)	21,600 (5,400 - 21,800)
Running Current (Rated)		A	6.34 - 5.73		6.80 - 6.15		7.74 - 7.00	10.70 - 9.68
Power Consumption (Rated)		W	1,252 - 1,252		1,349 - 1,349		1,513 - 1,513	2,110 - 2,110
Power Factor (Rated)		%	94.9 - 95.0		95.4 - 95.4		94.0 - 94.0	94.8 - 94.8
SEER2 / HSPF2			19.60		8.80		18.20	8.40
EER2 (Rated)		Btu/h·W	11.50		—		11.50	—
COP2 (Rated)		W/W	—		3.52		—	3.00
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)				ϕ 1/4 (6.4)	
	Gas	in. (mm)	ϕ 1/2 (12.7)				ϕ 1/2 (12.7)	
	Drain	in. (mm)	VP20 (O.D. ϕ 1-1/32 (26))				VP20 (O.D. ϕ 1-1/32 (26))	
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)	32-3/4 (10)				32-3/4 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)				0.21 (20)	
Indoor Unit			FFQ15W2VJU9			FFQ18W2VJU9		
Decoration Panel (1)	Model (Color)		BYFQ60B3W1 (White)				BYFQ60B3W1 (White)	
	Dimensions (H × W × D)	in. (mm)	2-3/16 × 27-9/16 × 27-9/16 (55 × 700 × 700)				2-3/16 × 27-9/16 × 27-9/16 (55 × 700 × 700)	
	Weight (Mass)	lbs (kg)	6.0 (2.7)				6.0 (2.7)	
Decoration Panel (2)	Model (Color)		BYFQ60C2W1W (White) / BYFQ60C2W1S (Silver)				BYFQ60C2W1W (White) / BYFQ60C2W1S (Silver)	
	Dimensions (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)	
Heat Exchanger	Rows × Stages, Fin per Inch		2 × 16, 21				2 × 16, 21	
	Fin Spec / Tube		Slit Fin / ϕ 5 Hi-XA Tube				Slit Fin / ϕ 5 Hi-XA Tube	
Airflow Rate	H / M / L	cfm	420 / 367 / 293		441 / 385 / 307		448 / 378 / 275	498 / 420 / 307
		m³/min	11.9 / 10.4 / 8.3		12.5 / 10.9 / 8.7		12.7 / 10.7 / 7.8	14.1 / 11.9 / 8.7
Fan	Type / Speed		Turbo Fan / 3 Steps				Turbo Fan / 3 Steps	
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		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 (17.5)	
Gross Weight (Gross Mass)		lbs (kg)	39 (17)				42 (19)	
Sound Pressure Level	H / M / L	dB(A)	40 / 37 / 31		40 / 37 / 31		44 / 40 / 32	44 / 40 / 32
Remote Controller (Option)	Wired		BRC1E73				BRC1E73	
	Wireless		BRC082A41W / BRC082A42W / BRC082A42S				BRC082A41W / BRC082A42W / BRC082A42S	
Outdoor Unit			RX15WMVJU9			RX18WMVJU9		
Casing Color			Ivory White				Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube				Waffle Fin (PE) / ϕ 7 Hi-XSL Tube	
Fan Motor	Motor Output	HP	0.10				0.12	
Compressor	Type		Hermetically Sealed Swing Type				Hermetically Sealed Swing Type	
	Model		2YC36PXD				2YC36PXD	
Refrigerant Oil	Type		FVC50K				FVC50K	
	Charge	oz (L)	21.98 (0.650)				21.98 (0.650)	
Refrigerant	Type		R-410A				R-410A	
	Charge	lbs (kg)	2.49 (1.13)				2.49 (1.13)	
Airflow Rate		cfm (m³/min)	2,313 (65.5)		2,108 (59.7)		2,461 (69.7)	2,553 (72.3)
Fan	Type		Propeller				Propeller	
Running Current (Rated)	A		6.05 - 5.47		6.51 - 5.89		7.22 - 6.53	10.18 - 9.21
Power Consumption (Rated)	W		1,224 - 1,224		1,321 - 1,321		1,462 - 1,462	2,059 - 2,059
Power Factor (Rated)	%		97.3 - 97.3		97.6 - 97.5		97.4 - 97.3	97.2 - 97.2
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)	100 (45)				100 (45)	
Gross Weight (Gross Mass)		lbs (kg)	110 (50)				110 (50)	
Sound Pressure Level		dB(A)	50		51		54	55
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)		70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)		47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft (7.5 m)				25 ft (7.5 m)	
Drawing No.			C: 3D143144A				C: 3D143144A	
Note(s)			SL: The quiet fan level of the airflow rate setting.					

Conversion Formulae

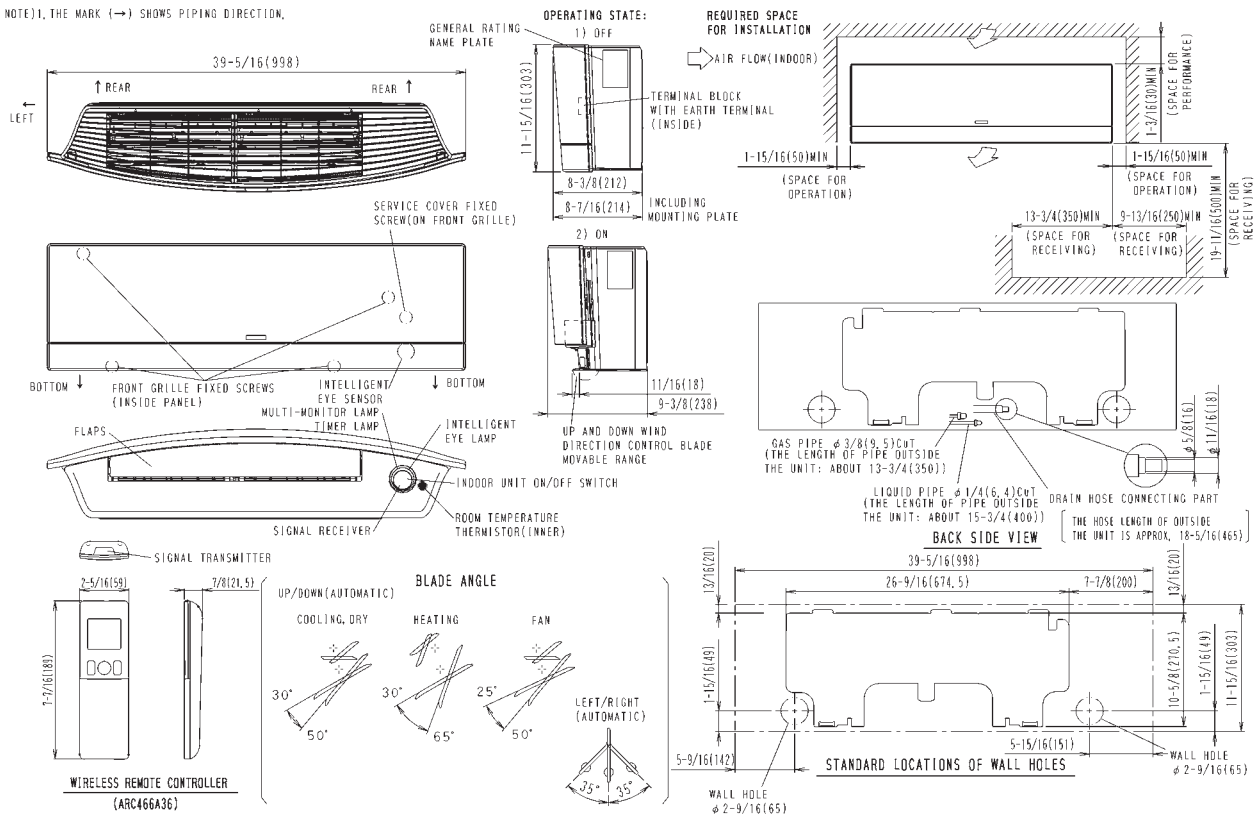
kcal/h = kW × 860
 Btu/h = kW × 3412
 cfm = m³/min × 35.3

4. Dimensions

4.1 Indoor Unit

FTXR09/12WVJUW(S)9

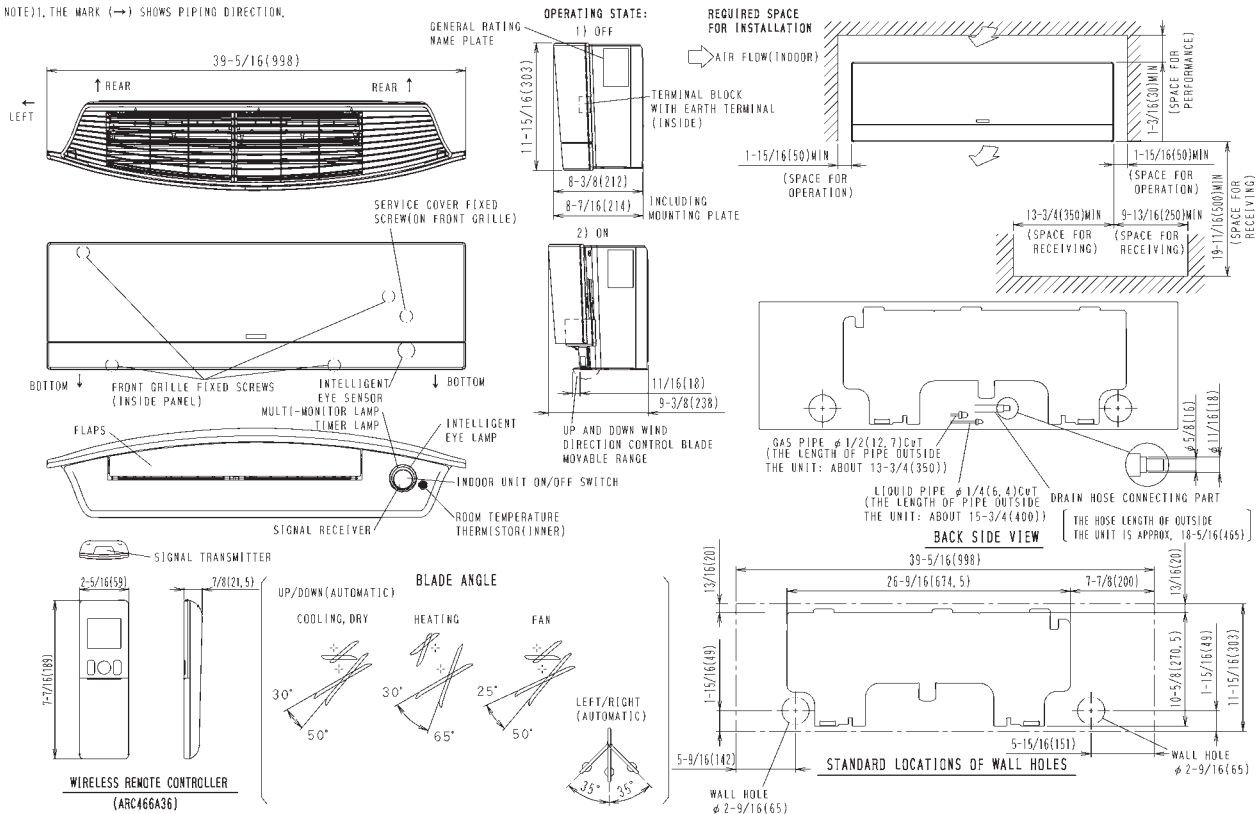
NOTE)1. THE MARK (→) SHOWS PIPING DIRECTION.



3D105568B

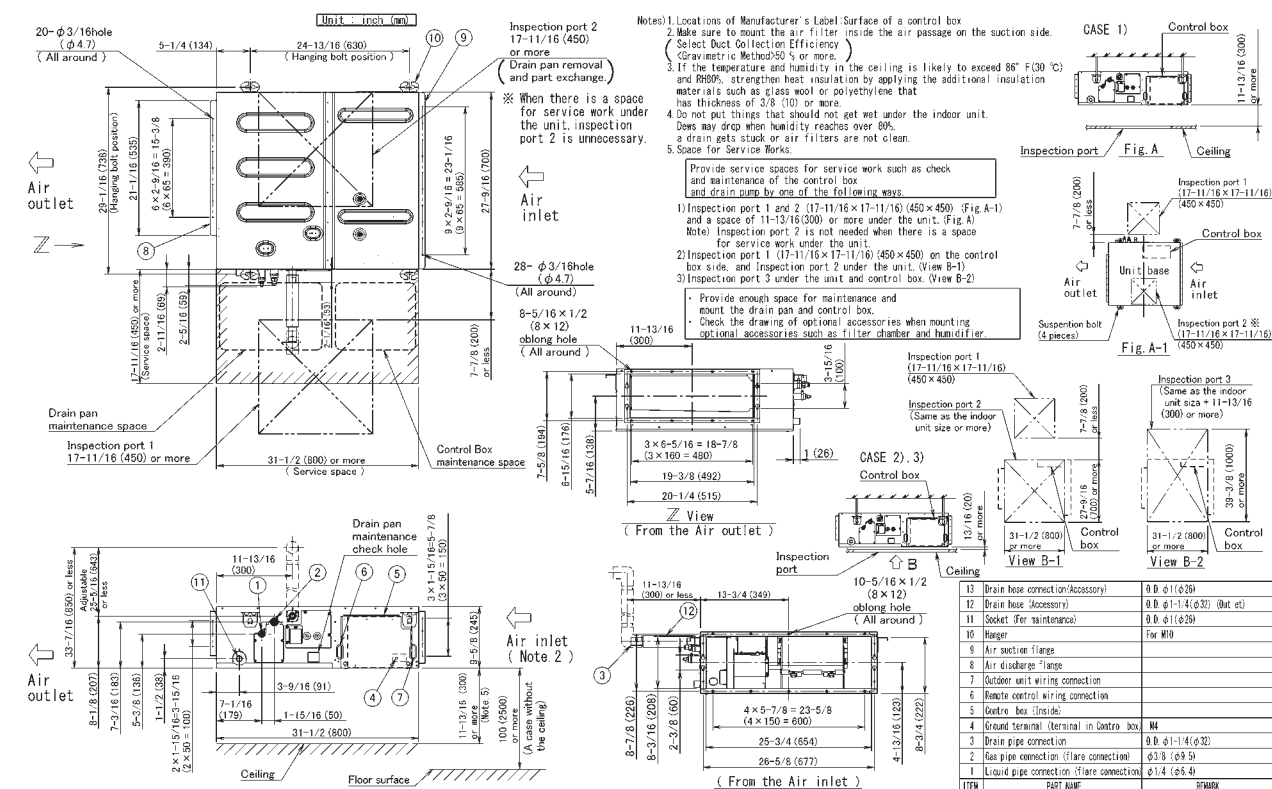
FTXR18WVJUW(S)9

NOTE)1. THE MARK (→) SHOWS PIPING DIRECTION.



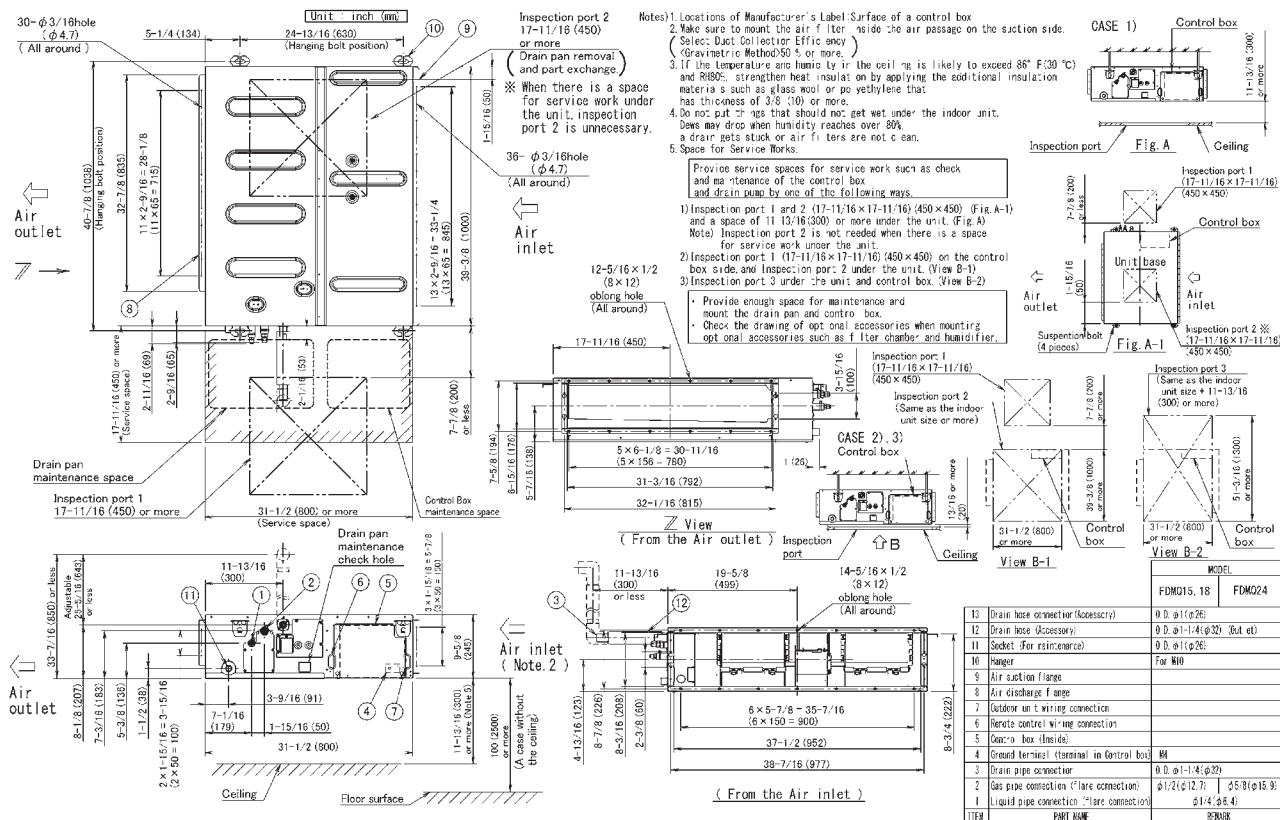
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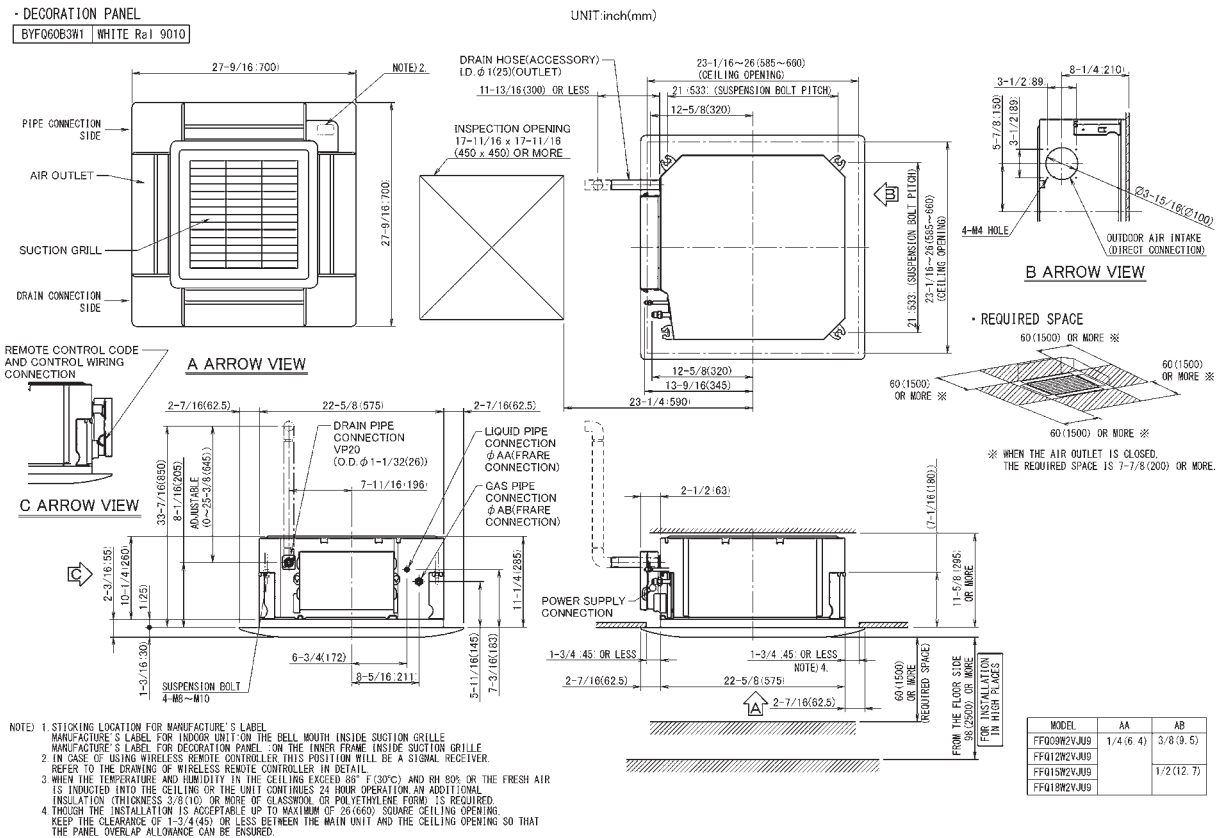
3D112918C

FDMQ15/18/24WVJU9



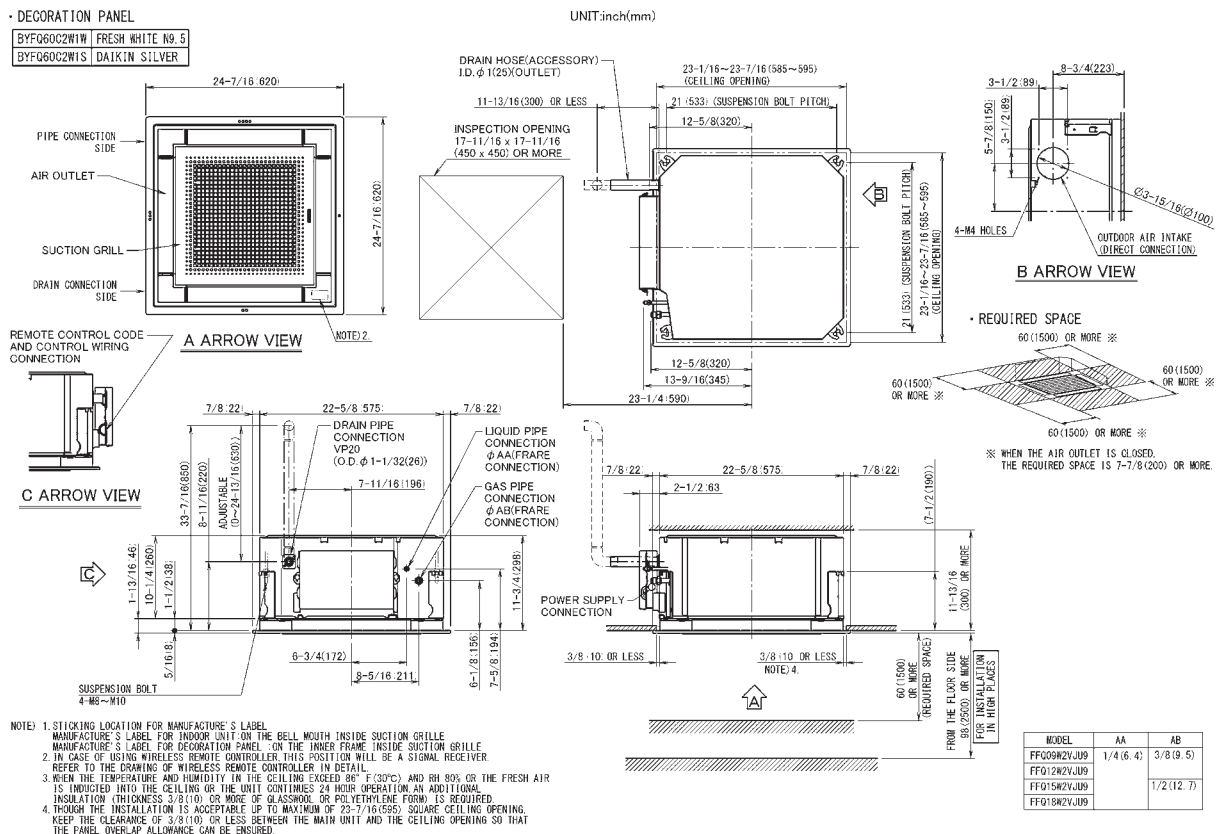
3D112919B

FFQ09/12/15/18W2VJU9 with BYFQ60B3W1 (Decoration Panel)



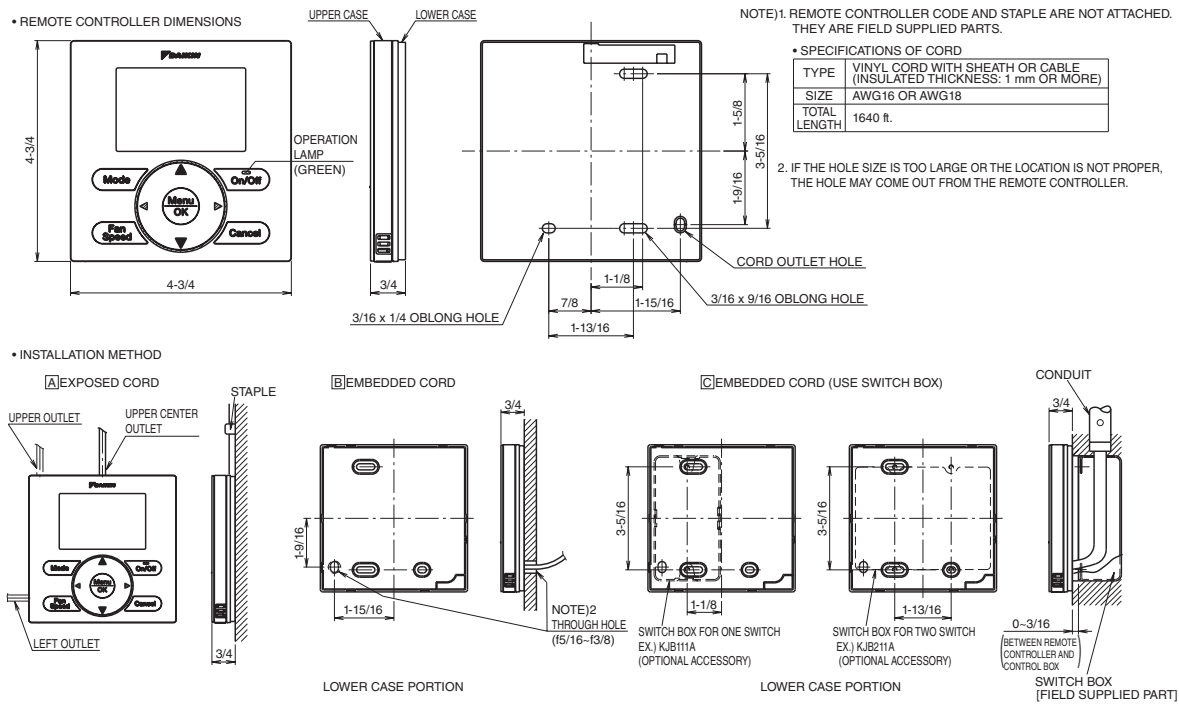
C: 3D106040A

FFQ09/12/15/18W2VJU9 with BYFQ60C2W1W(S) (Decoration Panel)



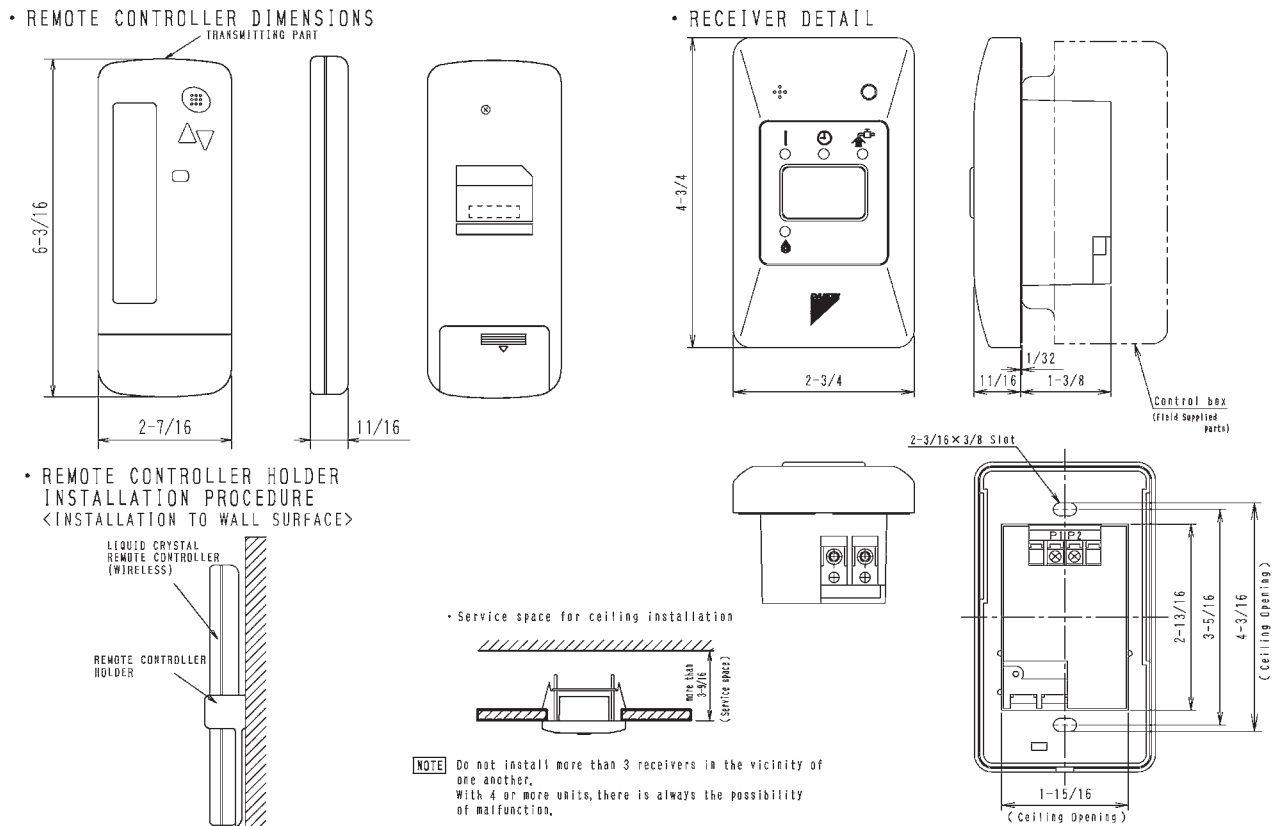
C: 3D106039A

BRC1E73 — Wired Remote Controller (Option) —



3D091305A

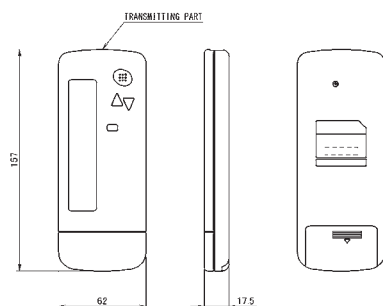
BRC082A43 — Wireless Remote Controller (Option) —



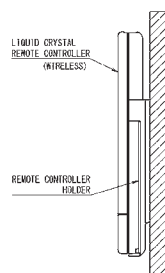
3D049611A

BRC082A41W — Wireless Remote Controller (Option) —

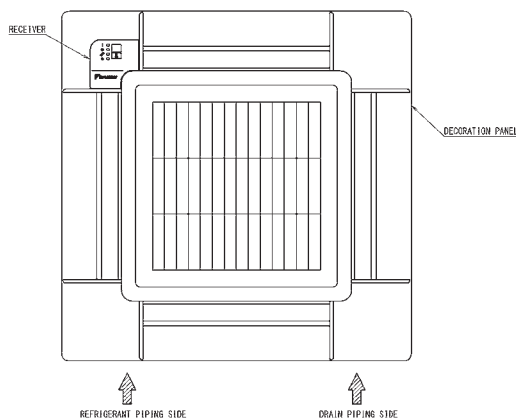
• REMOTE CONTROLLER DIMENSIONS



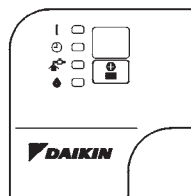
• REMOTE CONTROLLER HOLDER INSTALLATION PROCEDURE <INSTALLATION TO WALL SURFACE>



• RECEIVER INSTALLATION PROCEDURE



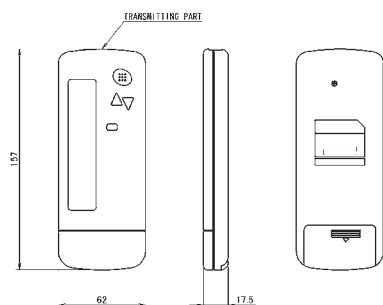
• RECEIVER DETAIL



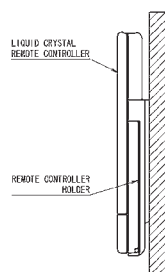
3D082556A

BRC082A42W(S) — Wireless Remote Controller (Option) —

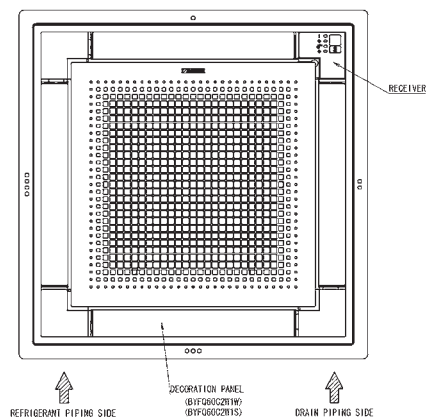
• REMOTE CONTROLLER DIMENSIONS



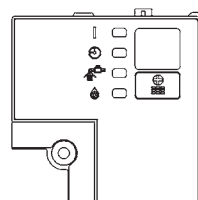
• REMOTE CONTROLLER HOLDER INSTALLATION PROCEDURE <INSTALLATION TO WALL SURFACE>



• RECEIVER INSTALLATION PROCEDURE



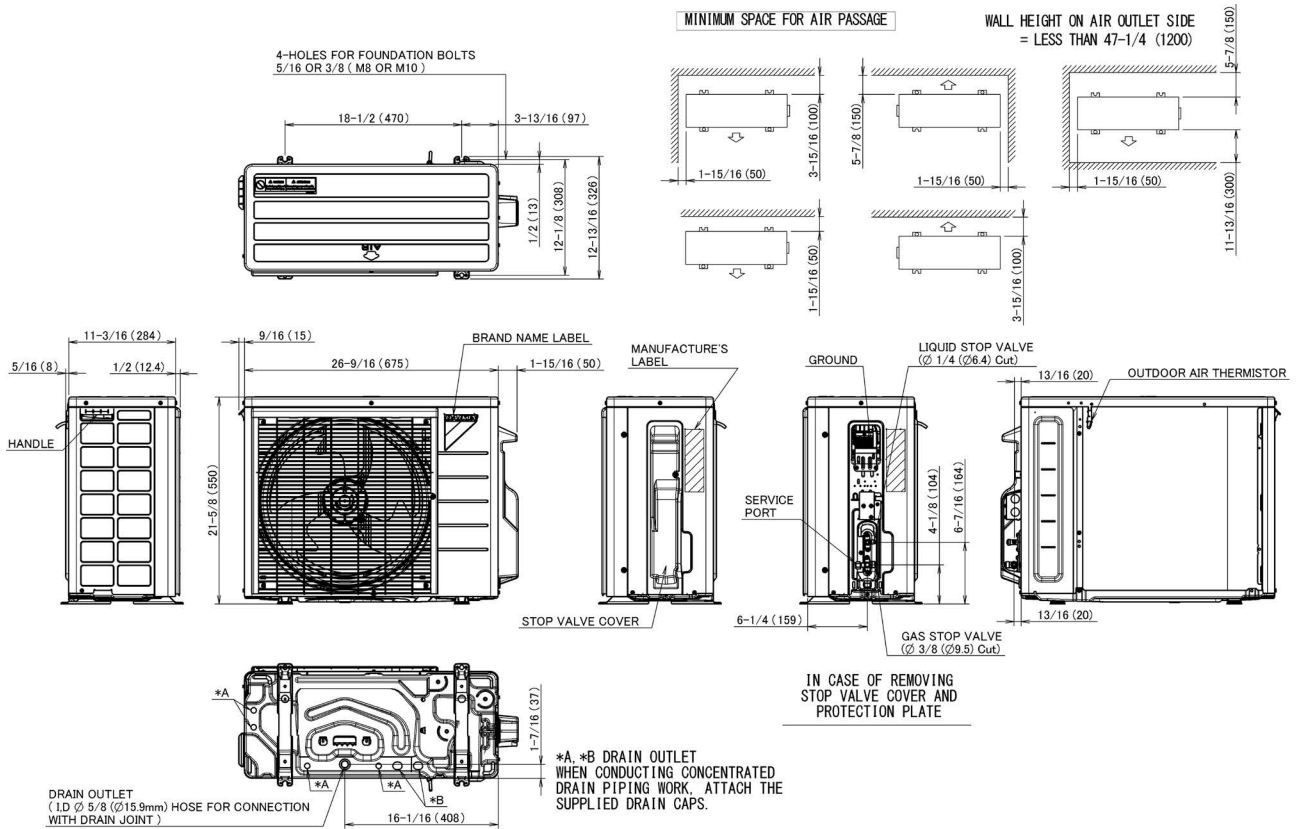
• RECEIVER DETAIL



3D082024

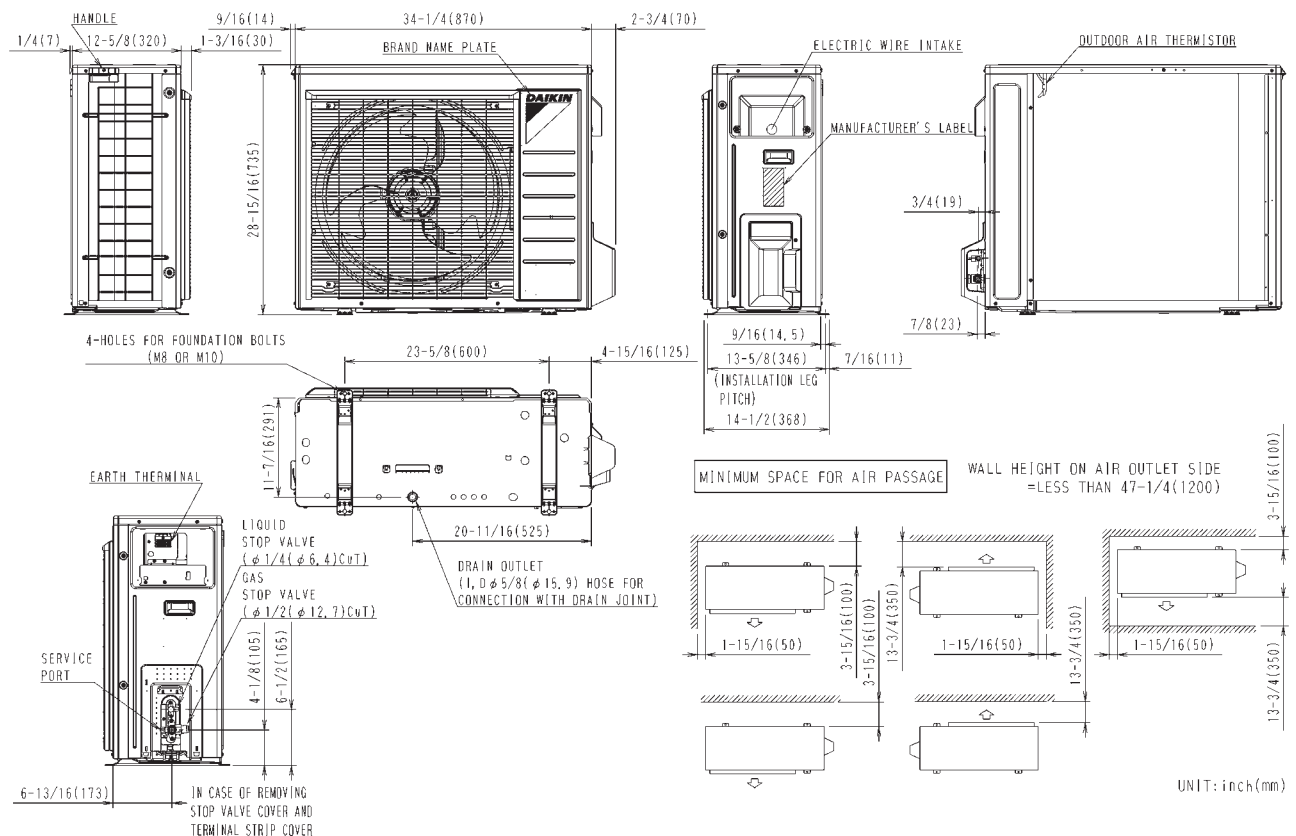
4.2 Outdoor Unit

RX09/12WMVJU9



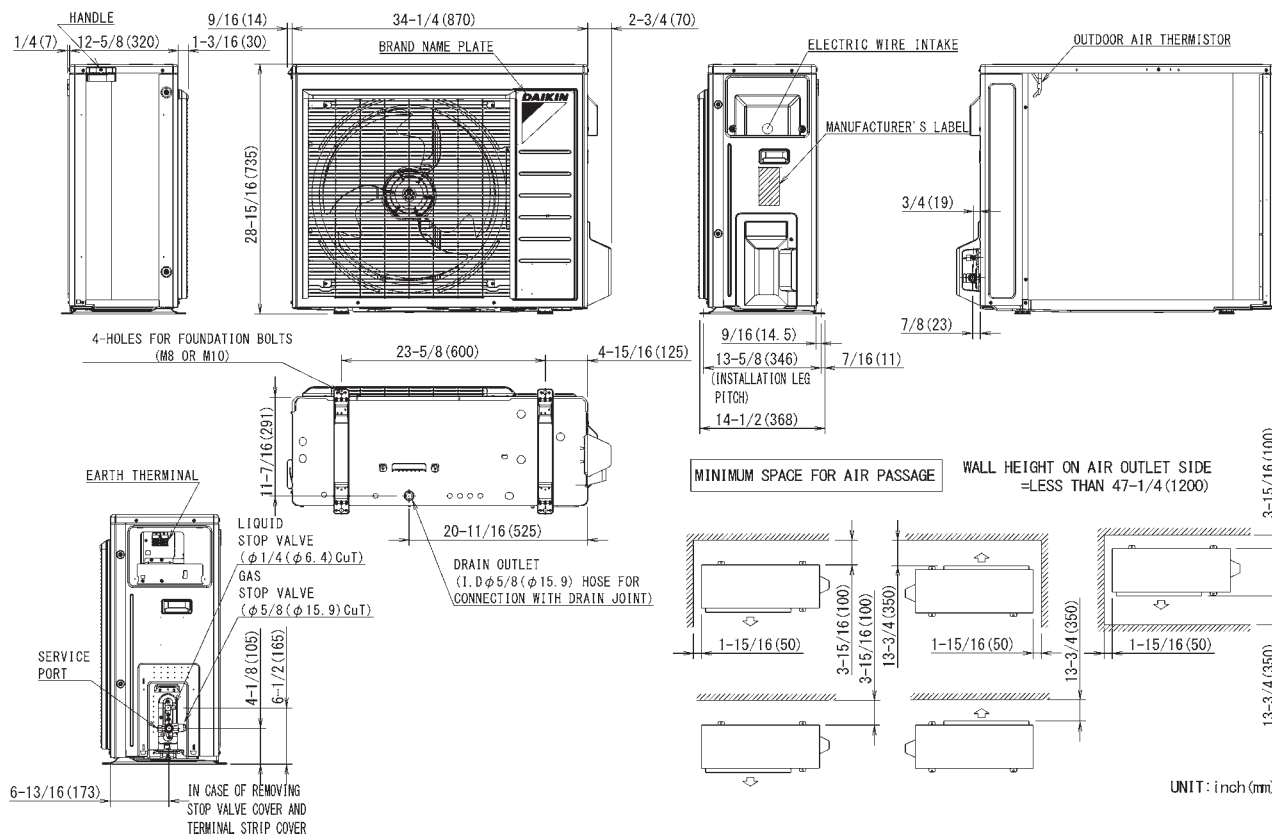
3D136777

RX15/18WMVJU9



3D092224D

RX24WMVJU9

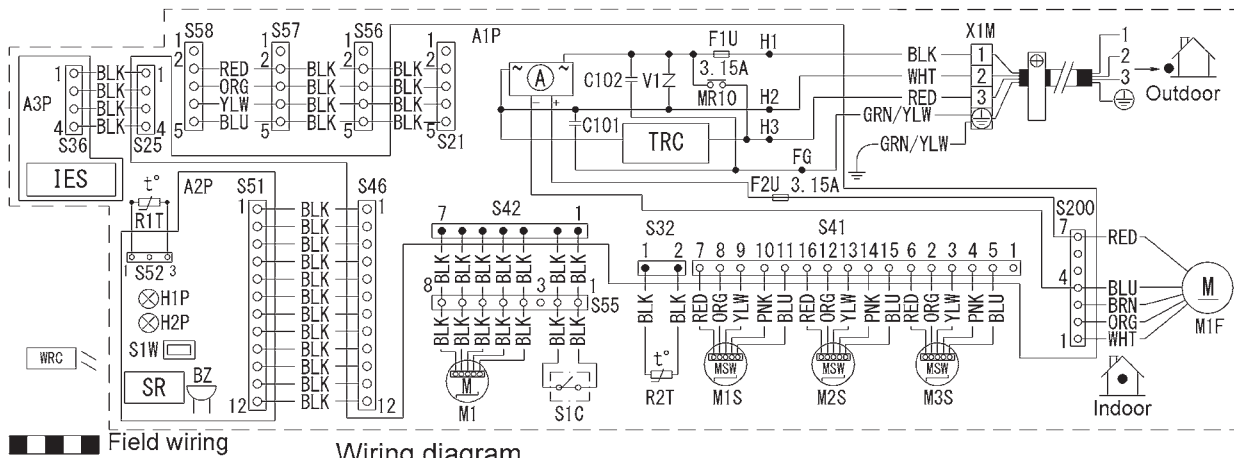


3D092230B

5. Wiring Diagrams

5.1 Indoor Unit

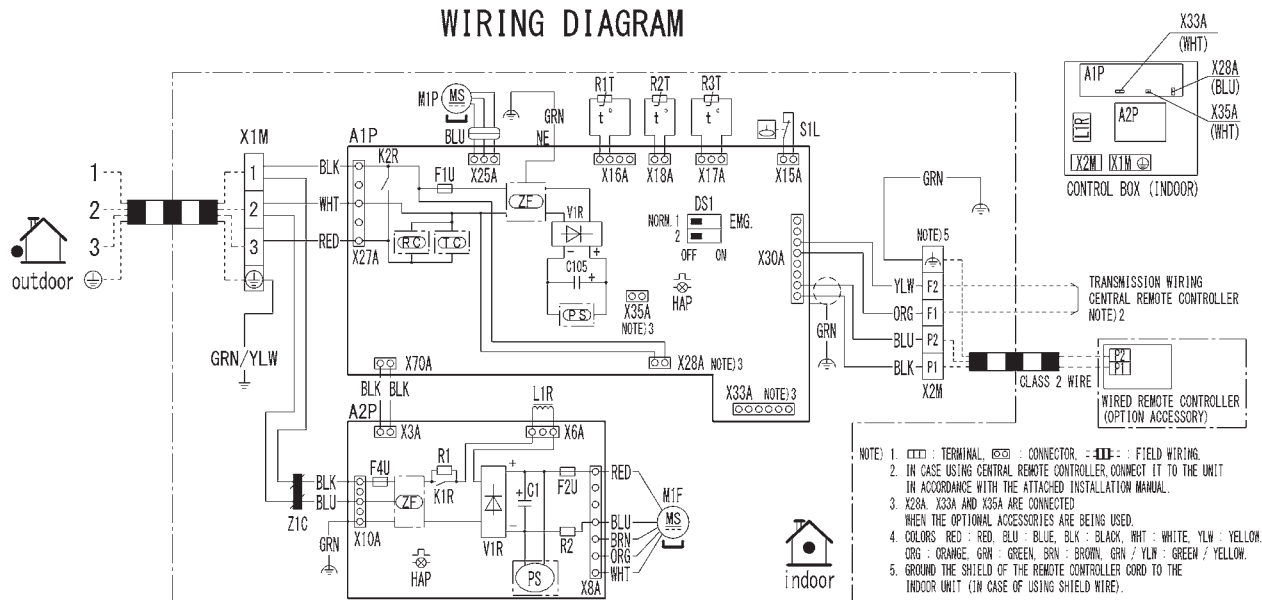
FTXR09/12/18WVJUW(S)9



NOTE When the main power is turned off and then back on again, operation will resume automatically.

FDMQ09/12/15/18/24WVJU9

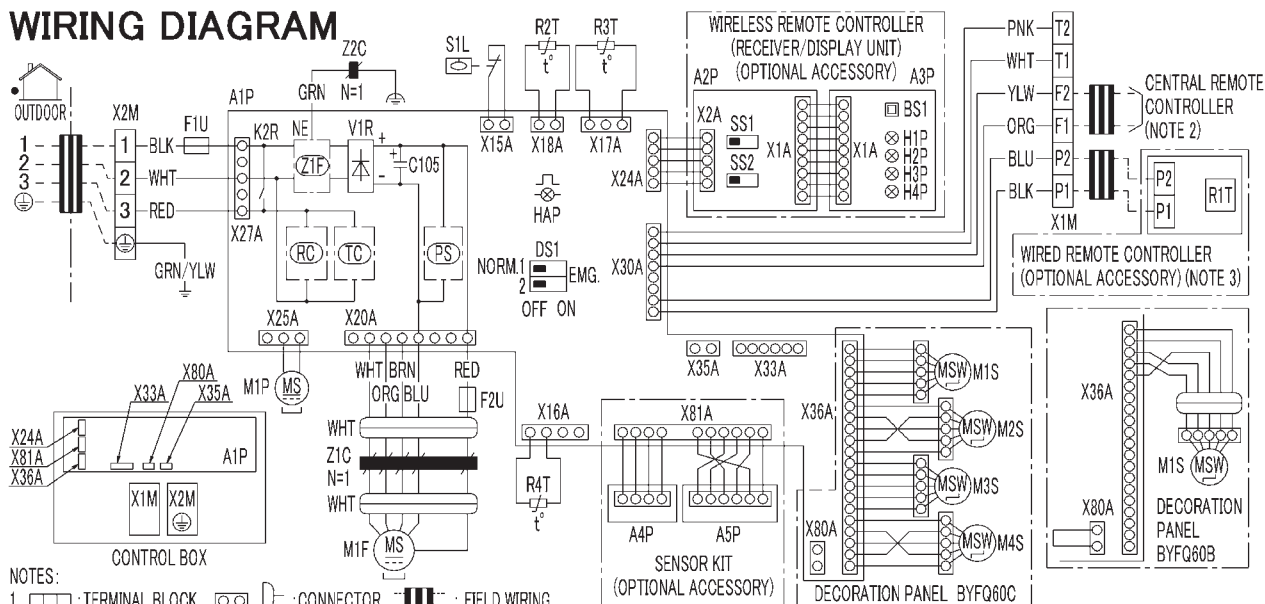
WIRING DIAGRAM



INDOOR UNIT		CONNECTOR / OPTIONAL ACCESSORY	
A1P	PRINTED CIRCUIT BOARD	R1	RESISTOR (CURRENT LIMITING)
A2P	PRINTED CIRCUIT BOARD (FAN)	R2	CURRENT SENSING DEVICE
C1	CAPACITOR	R1T	THERMISTOR (SUCTION AIR)
C10S	CAPACITOR	R2T	THERMISTOR (HEAT EXCHANGER)
DS1	DIP SWITCH (EMERGENCY)	S1L	FLOAT SWITCH
F1J	FUSE (T, 3.15A, 250V)	V1R	DIODE BRIDGE
F2J	FUSE (T, 5A, 250V)	X1M	TERMINAL BLOCK (POWER SUPPLY)
F4J	FUSE	X2M	TERMINAL BLOCK (CONTROL)
HAP	P.L.O.P. LAMP (SERVICE WARNING-GREEN)	ZF	NOISE FILTER
K1R	MAGNETIC RELAY	Z1C	FERRITE CORE
K2R	MAGNETIC RELAY	PS	SWITCHING POWER SUPPLY
L1R	REACTOR	RC	RECEIVER
M1F	MOTOR (FAN INDOOR)	TC	TRANSMITTER
M1P	MOTOR (DRAIN PUMP)		

FFQ09/12/15/18W2VJU9

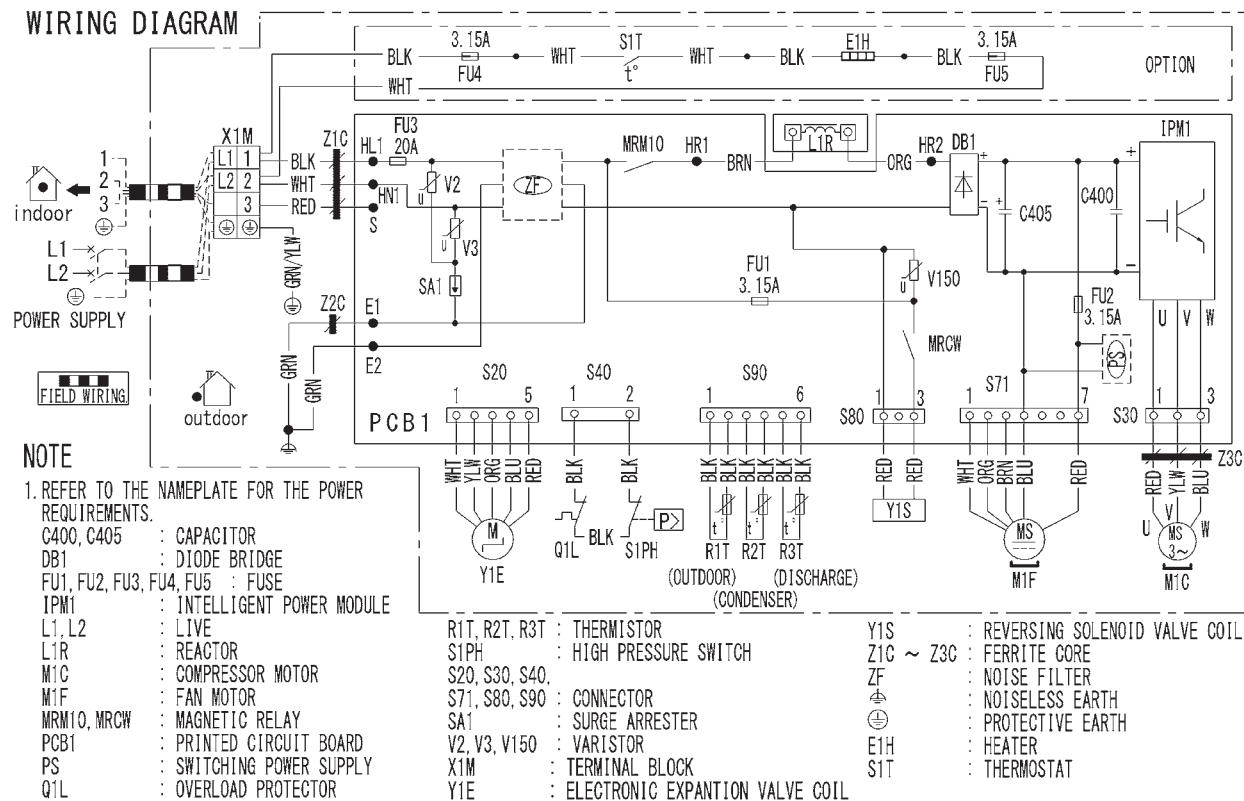
WIRING DIAGRAM



INDOOR UNIT		WIRELESS REMOTE CONTROLLER (RECEIVER/DISPLAY UNIT)	
A1P	PRINTED CIRCUIT BOARD	A2P·A3P	PRINTED CIRCUIT BOARD
C105	CAPACITOR(M1F)	BS1	PUSH BUTTON SWITCH ON PCB
DS1	DIP SWITCH ON PCB	H1P	PILOT LAMP (ON-RED)
F1U	FUSE(F.5A.250V)	H2P	PILOT LAMP (TIMER-GREEN)
F2U	FUSE(F.3.15A.500V)	H3P	PILOT LAMP (FILTER SIGN-RED)
HAP	FLASHING LAMP (SERVICE MONITOR GREEN)	H4P	PILOT LAMP (DEFROST-ORANGE)
K2R	MAGNETIC RELAY	SS1	SELECTOR SWITCH (MAIN-SUB)
M1F	FAN MOTOR	SS2	SELECTOR SWITCH (WIRELESS ADDRESS SET)
M1P	DRAIN PUMP MOTOR	SENSOR KIT	
M1S·M2S	SWING MOTOR	A4P	PRINTED CIRCUIT BOARD
M3S·M4S	SWING MOTOR	A5P	PRINTED CIRCUIT BOARD
R2T·R3T	THERMISTOR(AIR)	CONNECTOR FOR OPTIONAL PARTS	
R4T	THERMISTOR(AIR)	X24A	CONNECTOR (WIRING REMOTE CONTROLLER)
S1L	FLOAT SWITCH	X33A	CONNECTOR (ADAPTOR FOR WIRING)
V1R	DIODE BRIDGE	X35A	CONNECTOR (POWER SUPPLY FOR ADAPTOR)
X1M	TERMINAL BLOCK	X81A	CONNECTOR (SENSOR KIT)
X2M	TERMINAL BLOCK		
Z1F	NOISE FILTER		
Z1C	FERRITE CORE		
Z2C	FERRITE CORE		
PS	SWITCHING POWER SUPPLY		
RC	RECEIVER		
TC	TRANSMITTER		
WIRED REMOTE CONTROLLER			
R1T	THERMISTOR(AIR)		

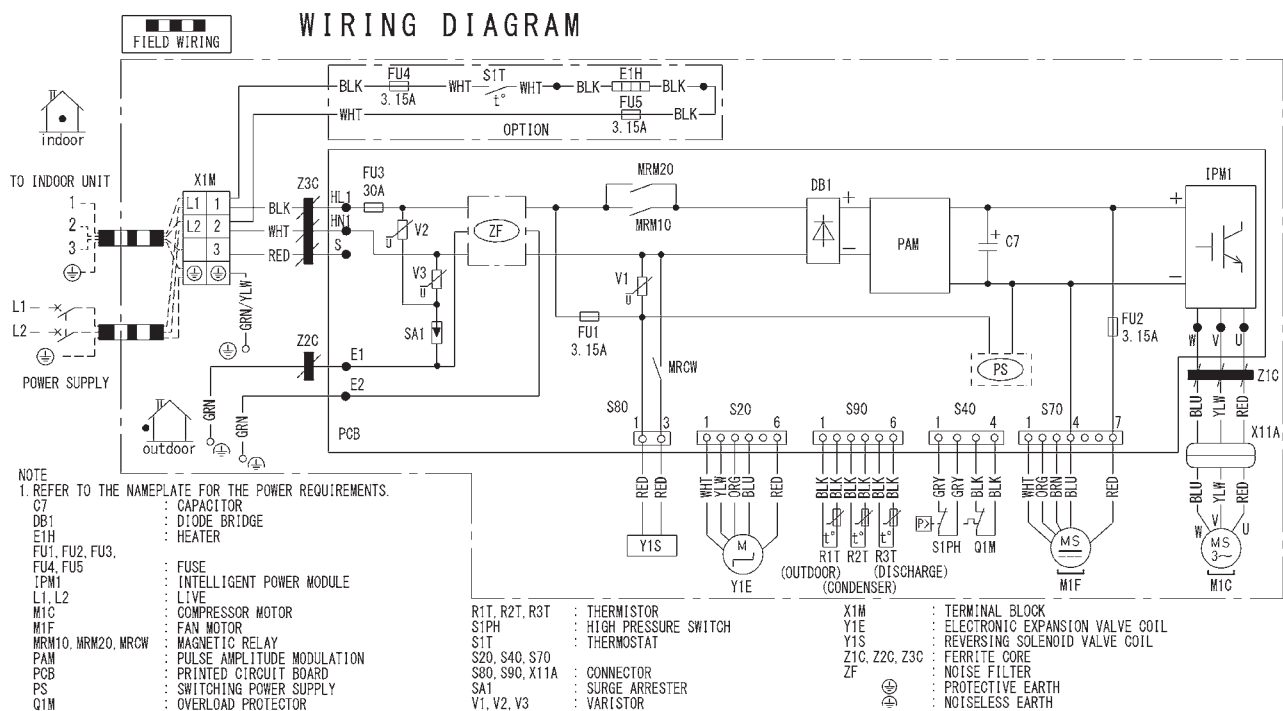
5.2 Outdoor Unit

RX09/12WMVJU9



3D134904

RX15/18/24WMVJU9

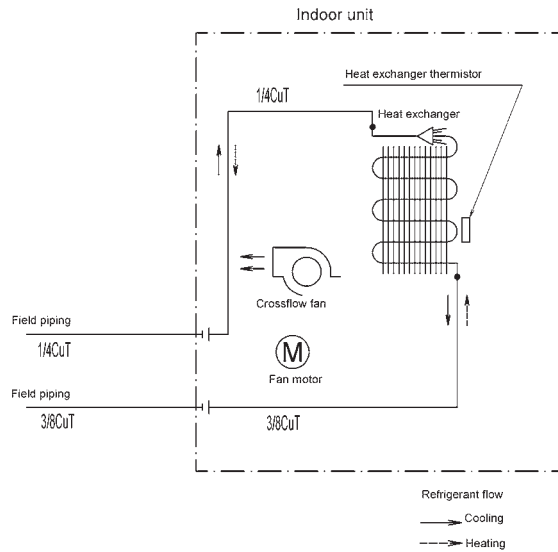


3D140830

6. Piping Diagrams

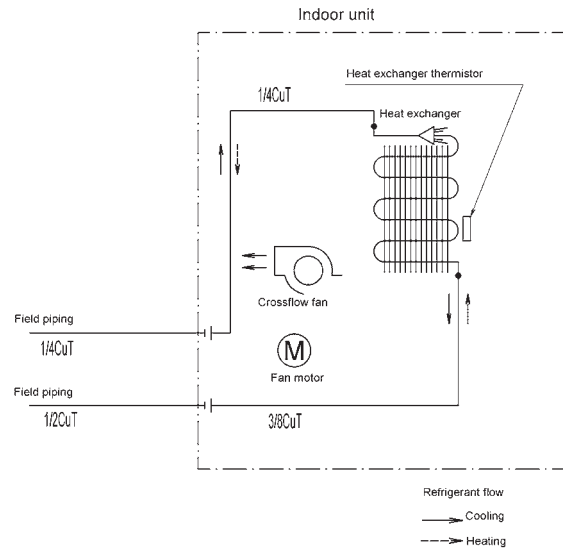
6.1 Indoor Unit

FTXR09/12WVJUW(S)9



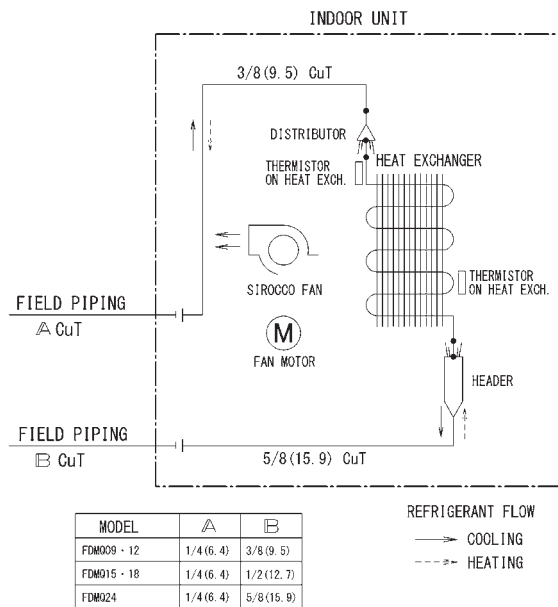
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FTXR18WVJUW(S)9



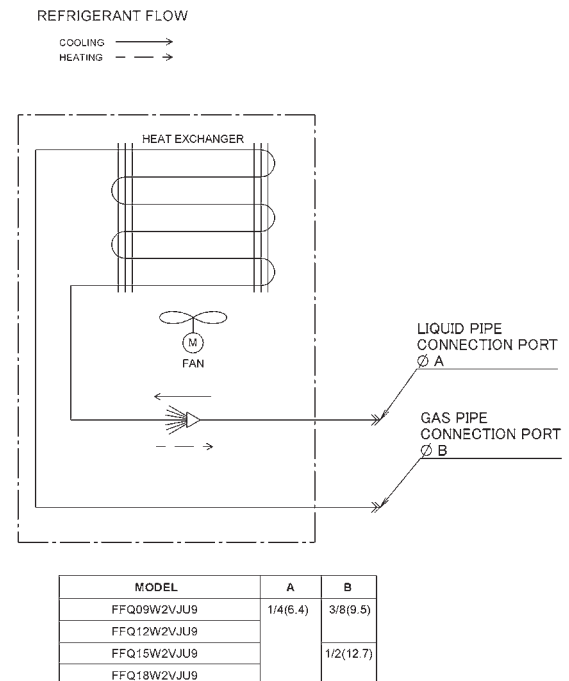
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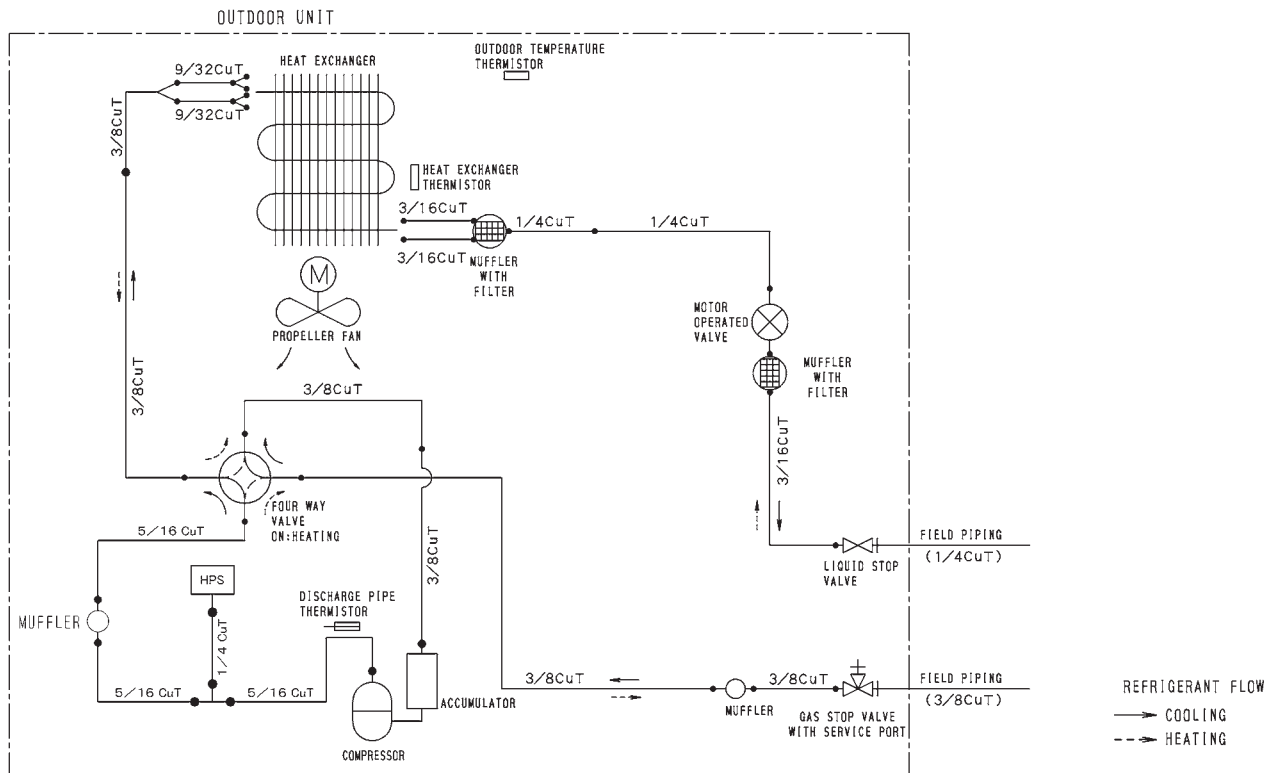
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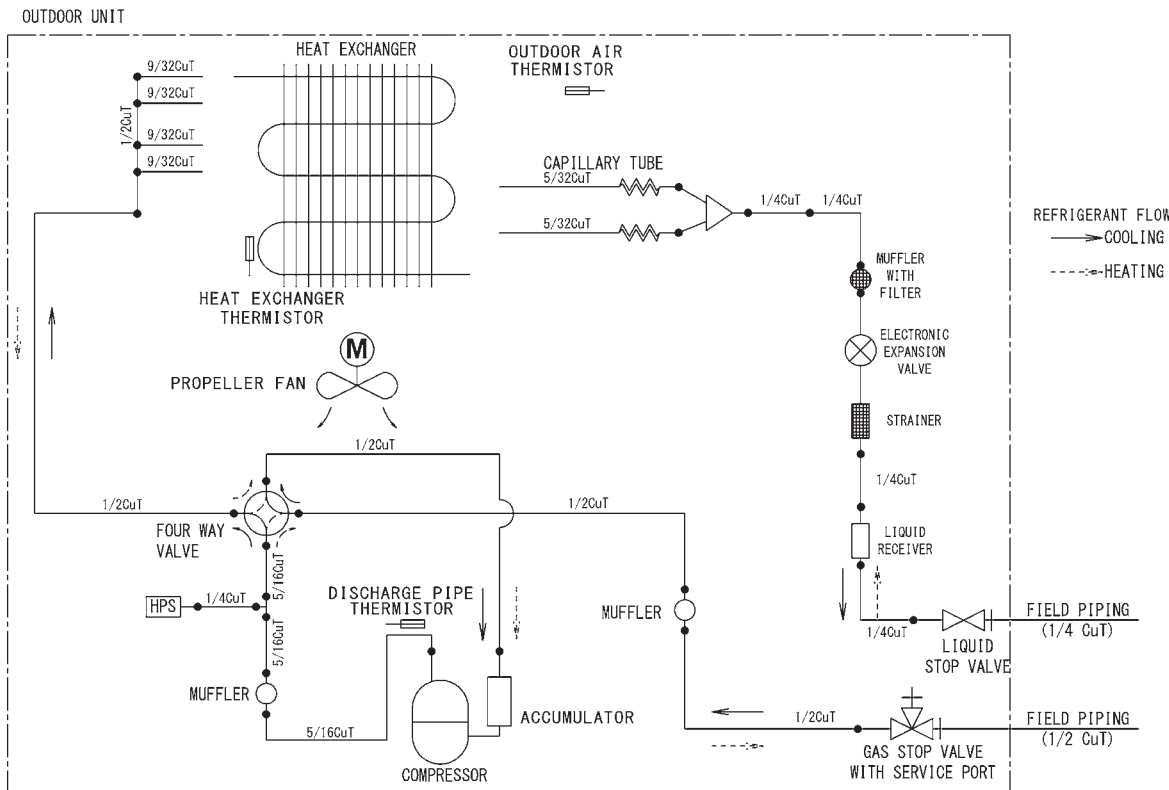
6.2 Outdoor Unit

RX09/12WMVJU9



3D135014

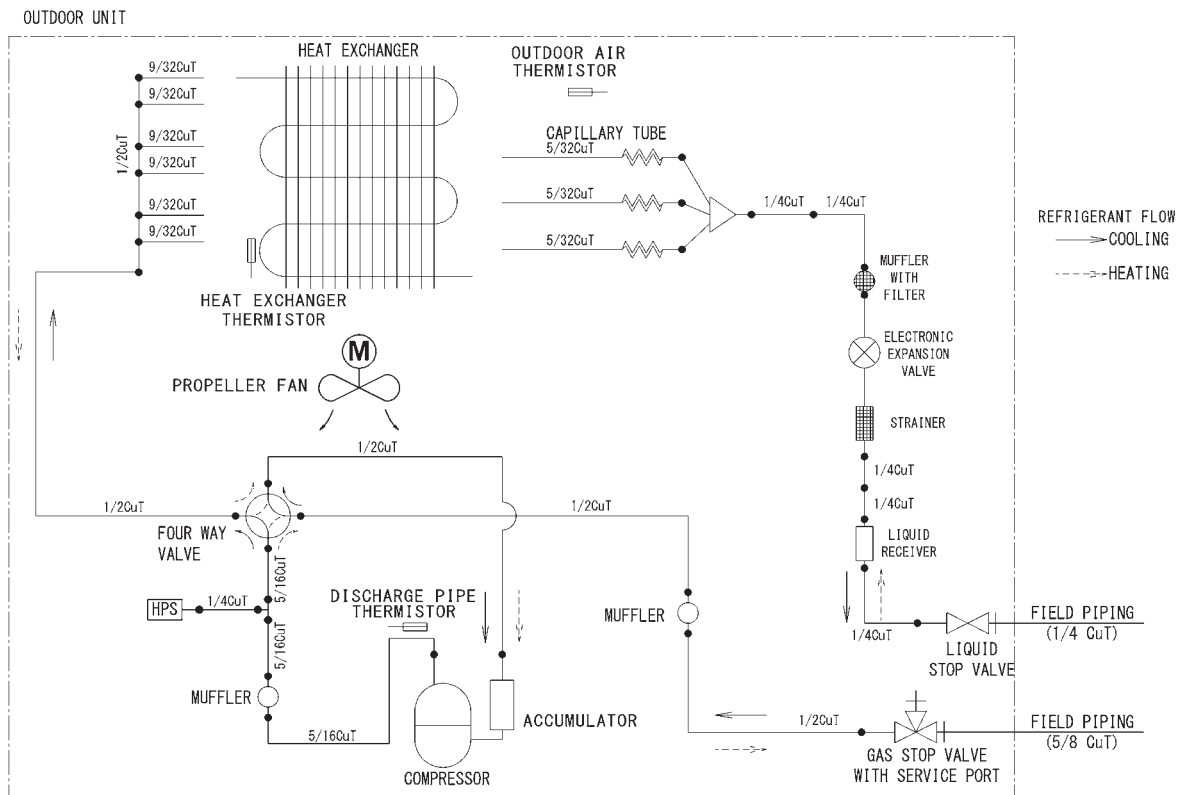
RX15/18WMVJU9



unit: inch

3D141501

RX24WMVJU9



unit: inch

3D141502

7. Capacity Tables

FTXR09WVJUW(S)9 + RX09WMVJU9

Cooling (60 Hz, 208 V)

AFR	7.7
BF	0.16

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.53	1.90	0.34	2.53	1.90	0.53	2.46	1.86	0.75	2.34	1.80	0.81	2.21	1.74	0.87	2.07	1.67	0.94
16.0	22.0	3.07	2.07	0.51	2.83	1.95	0.63	2.58	1.83	0.75	2.46	1.78	0.81	2.33	1.72	0.87	2.19	1.66	0.95
18.0	25.0	3.19	2.15	0.51	2.95	2.04	0.64	2.70	1.93	0.76	2.58	1.88	0.82	2.46	1.83	0.88	2.31	1.76	0.95
19.4	26.7	3.25	2.26	0.52	3.01	2.15	0.64	2.76	2.04	0.76	2.64	1.99	0.82	2.52	1.94	0.88	2.37	1.88	0.95
22.0	30.0	3.44	2.16	0.52	3.19	2.07	0.64	2.95	1.98	0.76	2.82	1.93	0.82	2.70	1.89	0.88	2.55	1.84	0.96
24.0	32.0	3.56	2.10	0.53	3.31	2.01	0.65	3.07	1.93	0.77	2.94	1.89	0.83	2.82	1.85	0.89	2.67	1.80	0.96

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	8.62	6.47	0.34	8.62	6.47	0.53	8.39	6.35	0.75	7.97	6.15	0.81	7.55	5.94	0.87	7.05	5.70	0.94
60.8	71.6	10.48	7.06	0.51	9.64	6.66	0.63	8.80	6.26	0.75	8.39	6.07	0.81	7.97	5.87	0.87	7.46	5.65	0.95
64.4	77.0	10.90	7.34	0.51	10.06	6.96	0.64	9.22	6.59	0.76	8.80	6.41	0.82	8.38	6.23	0.88	7.88	6.02	0.95
67.0	80.0	11.10	7.69	0.52	10.27	7.33	0.64	9.43	6.97	0.76	9.00	6.80	0.82	8.59	6.63	0.88	8.08	6.42	0.95
71.6	86.0	11.73	7.39	0.52	10.89	7.06	0.64	10.05	6.75	0.76	9.63	6.60	0.82	9.21	6.44	0.88	8.71	6.26	0.96
75.2	89.6	12.14	7.17	0.53	11.30	6.87	0.65	10.46	6.59	0.77	10.05	6.45	0.83	9.63	6.31	0.89	9.12	6.14	0.96

Heating (60 Hz, 208 V)

AFR	9.8
-----	-----

Temp: Celsius / TC, PI: kW

Temp: Celsius / °C, F: °F														
INDOOR		OUTDOOR TEMPERATURE (°CWB)												
EDB	-15		-10		-5		0		6		10		18	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.40	0.53	1.68	0.56	1.96	0.59	2.25	0.61	3.04	0.72	3.31	0.74	3.84	0.79
21.1	1.31	0.55	1.60	0.57	1.88	0.60	2.16	0.63	2.94	0.73	3.21	0.76	3.74	0.81
22.0	1.28	0.55	1.56	0.58	1.84	0.61	2.13	0.63	2.90	0.74	3.16	0.76	3.70	0.81
24.0	1.24	0.56	1.53	0.58	1.81	0.61	2.09	0.64	2.86	0.75	3.12	0.77	3.66	0.82
25.0	1.23	0.56	1.51	0.59	1.79	0.61	2.07	0.64	2.84	0.75	3.10	0.77	3.64	0.82
27.0	1.19	0.57	1.48	0.59	1.76	0.62	2.04	0.65	2.80	0.76	3.06	0.78	3.59	0.83

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	4.78	0.53	5.74	0.56	6.70	0.59	7.67	0.61	10.38	0.72	11.28	0.74	13.10	0.79	
70.0	4.48	0.55	5.45	0.57	6.41	0.60	7.37	0.63	10.00	0.73	10.94	0.76	12.75	0.81	
71.6	4.37	0.55	5.33	0.58	6.29	0.61	7.25	0.63	9.89	0.74	10.80	0.76	12.61	0.81	
75.2	4.25	0.56	5.21	0.58	6.17	0.61	7.14	0.64	9.75	0.75	10.66	0.77	12.47	0.82	
77.0	4.19	0.56	5.15	0.59	6.11	0.61	7.08	0.64	9.69	0.75	10.59	0.77	12.40	0.82	
80.6	4.07	0.57	5.03	0.59	6.00	0.62	6.96	0.65	9.55	0.76	10.45	0.78	12.27	0.83	

Cooling (60 Hz, 230 V)

AFR	7.7
BF	0.16

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.53	1.90	0.34	2.53	1.90	0.53	2.46	1.86	0.75	2.34	1.80	0.81	2.21	1.74	0.87	2.07	1.67	0.94
16.0	22.0	3.07	2.07	0.51	2.83	1.95	0.63	2.58	1.83	0.75	2.46	1.78	0.81	2.33	1.72	0.87	2.19	1.66	0.95
18.0	25.0	3.19	2.15	0.51	2.95	2.04	0.64	2.70	1.93	0.76	2.58	1.88	0.82	2.46	1.83	0.88	2.31	1.76	0.95
19.4	26.7	3.25	2.26	0.52	3.01	2.15	0.64	2.76	2.04	0.76	2.64	1.99	0.82	2.52	1.94	0.88	2.37	1.88	0.95
22.0	30.0	3.44	2.16	0.52	3.19	2.07	0.64	2.95	1.98	0.76	2.82	1.93	0.82	2.70	1.89	0.88	2.55	1.84	0.96
24.0	32.0	3.56	2.10	0.53	3.31	2.01	0.65	3.07	1.93	0.77	2.94	1.89	0.83	2.82	1.85	0.89	2.67	1.80	0.96

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	8.62	6.47	0.34	8.62	6.47	0.53	8.39	6.35	0.75	7.97	6.15	0.81	7.55	5.94	0.87	7.05	5.70	0.94
60.8	71.6	10.48	7.06	0.51	9.64	6.66	0.63	8.80	6.26	0.75	8.39	6.07	0.81	7.97	5.87	0.87	7.46	5.65	0.95
64.4	77.0	10.90	7.34	0.51	10.06	6.96	0.64	9.22	6.59	0.76	8.80	6.41	0.82	8.38	6.23	0.88	7.88	6.02	0.95
67.0	80.0	11.10	7.69	0.52	10.27	7.33	0.64	9.43	6.97	0.76	9.00	6.80	0.82	8.59	6.63	0.88	8.08	6.42	0.95
71.6	86.0	11.73	7.39	0.52	10.89	7.06	0.64	10.05	6.75	0.76	9.63	6.60	0.82	9.21	6.44	0.88	8.71	6.26	0.96
75.2	89.6	12.14	7.17	0.53	11.30	6.87	0.65	10.46	6.59	0.77	10.05	6.45	0.83	9.63	6.31	0.89	9.12	6.14	0.96

Heating (60 Hz, 230 V)

AFR	9.8
-----	-----

Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB	-15		-10		-5		0		6		10		18		
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
15.0	1.40	0.53	1.68	0.56	1.96	0.59	2.25	0.61	3.04	0.72	3.31	0.74	3.84	0.79	
21.1	1.31	0.55	1.60	0.57	1.88	0.60	2.16	0.63	2.94	0.73	3.21	0.76	3.74	0.81	
22.0	1.28	0.55	1.56	0.58	1.84	0.61	2.13	0.63	2.90	0.74	3.16	0.76	3.70	0.81	
24.0	1.24	0.56	1.53	0.58	1.81	0.61	2.09	0.64	2.86	0.75	3.12	0.77	3.66	0.82	
25.0	1.23	0.56	1.51	0.59	1.79	0.61	2.07	0.64	2.84	0.75	3.10	0.77	3.64	0.82	
27.0	1.19	0.57	1.48	0.59	1.76	0.62	2.04	0.65	2.80	0.76	3.06	0.78	3.59	0.83	

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	4.78	0.53	5.74	0.56	6.70	0.59	7.67	0.61	10.38	0.72	11.28	0.74	13.10	0.79	
70.0	4.48	0.55	5.45	0.57	6.41	0.60	7.37	0.63	10.00	0.73	10.94	0.76	12.75	0.81	
71.6	4.37	0.55	5.33	0.58	6.29	0.61	7.25	0.63	9.89	0.74	10.80	0.76	12.61	0.81	
75.2	4.25	0.56	5.21	0.58	6.17	0.61	7.14	0.64	9.75	0.75	10.66	0.77	12.47	0.82	
77.0	4.19	0.56	5.15	0.59	6.11	0.61	7.08	0.64	9.69	0.75	10.59	0.77	12.40	0.82	
80.6	4.07	0.57	5.03	0.59	6.00	0.62	6.96	0.65	9.55	0.76	10.45	0.78	12.27	0.83	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTXR12WVJUW(S)9 + RX12WMVJU9

Cooling (60 Hz, 208 V)

AFR	9.5
BF	0.19

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.01	2.26	0.32	3.01	2.26	0.52	3.01	2.26	0.82	3.01	2.26	1.00	2.97	2.24	1.16	2.67	2.09	1.17
16.0	22.0	3.86	2.56	0.55	3.79	2.53	0.84	3.46	2.37	1.00	3.30	2.29	1.08	3.13	2.21	1.16	2.82	2.07	1.17
18.0	25.0	4.28	2.79	0.69	3.95	2.63	0.85	3.62	2.48	1.01	3.46	2.41	1.09	3.29	2.33	1.17	2.96	2.19	1.17
19.4	26.7	4.36	2.90	0.69	4.03	2.76	0.85	3.70	2.61	1.01	3.54	2.54	1.09	3.38	2.47	1.17	3.04	2.33	1.17
22.0	30.0	4.61	2.78	0.69	4.28	2.65	0.86	3.95	2.52	1.02	3.78	2.46	1.10	3.62	2.40	1.18	3.25	2.26	1.17
24.0	32.0	4.77	2.70	0.70	4.44	2.57	0.86	4.11	2.46	1.02	3.95	2.40	1.10	3.78	2.34	1.18	3.39	2.21	1.17

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.26	7.70	0.32	10.26	7.70	0.52	10.26	7.70	0.82	10.26	7.70	1.00	10.12	7.63	1.16	9.11	7.13	1.17
60.8	71.6	13.17	8.75	0.55	12.93	8.63	0.84	11.81	8.08	1.00	11.24	7.81	1.08	10.68	7.54	1.16	9.61	7.05	1.17
64.4	77.0	14.61	9.50	0.69	13.49	8.97	0.85	12.36	8.46	1.01	11.80	8.21	1.09	11.24	7.96	1.17	10.11	7.47	1.17
67.0	80.0	14.89	9.91	0.69	13.77	9.40	0.85	12.64	8.90	1.01	12.00	8.66	1.09	11.52	8.42	1.17	10.36	7.94	1.17
71.6	86.0	15.73	9.50	0.69	14.60	9.04	0.86	13.48	8.60	1.02	12.91	8.39	1.10	12.35	8.18	1.18	11.09	7.71	1.17
75.2	89.6	16.28	9.20	0.70	15.16	8.78	0.86	14.03	8.38	1.02	13.47	8.19	1.10	12.91	7.99	1.18	11.58	7.55	1.17

Heating (60 Hz, 208 V)

AFR	11.2
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.89	0.80	2.27	0.84	2.65	0.88	3.03	0.92	4.10	1.08	4.45	1.12	5.17	1.19
21.1		1.77	0.82	2.15	0.86	2.53	0.91	2.91	0.95	3.96	1.11	4.32	1.14	5.03	1.22
22.0		1.72	0.83	2.10	0.87	2.48	0.91	2.86	0.96	3.91	1.12	4.26	1.15	4.98	1.23
24.0		1.68	0.84	2.06	0.88	2.44	0.92	2.82	0.96	3.85	1.13	4.21	1.16	4.92	1.24
25.0		1.65	0.85	2.03	0.89	2.41	0.93	2.79	0.97	3.82	1.13	4.18	1.17	4.90	1.24
27.0		1.61	0.85	1.99	0.90	2.37	0.94	2.75	0.98	3.77	1.14	4.13	1.18	4.84	1.25

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		6.43	0.80	7.73	0.84	9.03	0.88	10.33	0.92	13.98	1.08	15.20	1.12	17.64	1.19
70.0		6.04	0.82	7.33	0.86	8.63	0.91	9.93	0.95	13.50	1.11	14.73	1.14	17.17	1.22
71.6		5.88	0.83	7.18	0.87	8.47	0.91	9.77	0.96	13.32	1.12	14.55	1.15	16.99	1.23
75.2		5.72	0.84	7.02	0.88	8.31	0.92	9.61	0.96	13.14	1.13	14.36	1.16	16.80	1.24
77.0		5.64	0.85	6.94	0.89	8.24	0.93	9.53	0.97	13.05	1.13	14.27	1.17	16.71	1.24
80.6		5.48	0.85	6.78	0.90	8.08	0.94	9.37	0.98	12.86	1.14	14.08	1.18	16.52	1.25

Cooling (60 Hz, 230 V)

AFR	9.5
BF	0.19

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.01	2.26	0.32	3.01	2.26	0.52	3.01	2.26	0.82	3.01	2.26	1.00	2.97	2.24	1.16	2.77	2.14	1.26
16.0	22.0	3.86	2.56	0.55	3.79	2.53	0.84	3.46	2.37	1.00	3.30	2.29	1.08	3.13	2.21	1.16	2.93	2.12	1.26
18.0	25.0	4.28	2.79	0.69	3.95	2.63	0.85	3.62	2.48	1.01	3.46	2.41	1.09	3.29	2.33	1.17	3.10	2.25	1.27
19.4	26.7	4.36	2.90	0.69	4.03	2.76	0.85	3.70	2.61	1.01	3.54	2.54	1.09	3.38	2.47	1.17	3.18	2.39	1.27
22.0	30.0	4.61	2.78	0.69	4.28	2.65	0.86	3.95	2.52	1.02	3.78	2.46	1.10	3.62	2.40	1.18	3.42	2.32	1.28
24.0	32.0	4.77	2.70	0.70	4.44	2.57	0.86	4.11	2.46	1.02	3.95	2.40	1.10	3.78	2.34	1.18	3.59	2.28	1.28

Temp: Fahrenheit / TC, SHC: kBTu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.26	7.70	0.32	10.26	7.70	0.52	10.26	7.70	0.82	10.26	7.70	1.00	10.12	7.63	1.16	9.45	7.30	1.26
60.8	71.6	13.17	8.75	0.55	12.93	8.63	0.84	11.81	8.08	1.00	11.24	7.81	1.08	10.68	7.54	1.16	10.01	7.23	1.26
64.4	77.0	14.61	9.50	0.69	13.49	8.97	0.85	12.36	8.46	1.01	11.80	8.21	1.09	11.24	7.96	1.17	10.56	7.67	1.27
67.0	80.0	14.89	9.91	0.69	13.77	9.40	0.85	12.64	8.90	1.01	12.00	8.66	1.09	11.52	8.42	1.17	10.84	8.14	1.27
71.6	86.0	15.73	9.50	0.69	14.60	9.04	0.86	13.48	8.60	1.02	12.91	8.39	1.10	12.35	8.18	1.18	11.68	7.93	1.28
75.2	89.6	16.28	9.20	0.70	15.16	8.78	0.86	14.03	8.38	1.02	13.47	8.19	1.10	12.91	7.99	1.18	12.23	7.76	1.28

Heating (60 Hz, 230 V)

AFR	11.2
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.89	0.80	2.27	0.84	2.65	0.88	3.03	0.92	4.10	1.08	4.45	1.12	5.17	1.19
21.1		1.77	0.82	2.15	0.86	2.53	0.91	2.91	0.95	3.96	1.11	4.32	1.14	5.03	1.22
22.0		1.72	0.83	2.10	0.87	2.48	0.91	2.86	0.96	3.91	1.12	4.26	1.15	4.98	1.23
24.0		1.68	0.84	2.06	0.88	2.44	0.92	2.82	0.96	3.85	1.13	4.21	1.16	4.92	1.24
25.0		1.65	0.85	2.03	0.89	2.41	0.93	2.79	0.97	3.82	1.13	4.18	1.17	4.90	1.24
27.0		1.61	0.85	1.99	0.90	2.37	0.94	2.75	0.98	3.77	1.14	4.13	1.18	4.84	1.25

Temp: Fahrenheit / TC: kBTu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	6.43	0.80	7.73	0.84	9.03	0.88	10.33	0.92	13.98	1.08	15.20	1.12	17.64	1.19	
70.0	6.04	0.82	7.33	0.86	8.63	0.91	9.93	0.95	13.50	1.11	14.73	1.14	17.17	1.22	
71.6	5.88	0.83	7.18	0.87	8.47	0.91	9.77	0.96	13.32	1.12	14.55	1.15	16.99	1.23	
75.2	5.72	0.84	7.02	0.88	8.31	0.92	9.61	0.96	13.14	1.13	14.36	1.16	16.80	1.24	
77.0	5.64	0.85	6.94	0.89	8.24	0.93	9.53	0.97	13.05	1.13	14.27	1.17	16.71	1.24	
80.6	5.48	0.85	6.78	0.90	8.08	0.94	9.37	0.98	12.86	1.14	14.08	1.18	16.52	1.25	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBTu/h)
SHC	: Sensible heat capacity	(kW) / (kBTu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTXR18WVJUW(S)9 + RX18WMVJU9**Cooling (60 Hz, 208 V)**

AFR	9.9
BF	0.17

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.21	2.41	0.23	3.21	2.41	0.38	3.21	2.41	0.67	3.21	2.41	0.89	3.21	2.41	1.16	3.19	2.40	1.41
16.0	22.0	4.12	2.74	0.34	4.12	2.74	0.58	4.12	2.74	0.99	4.12	2.74	1.28	4.12	2.74	1.60	3.34	2.36	1.41
18.0	25.0	5.10	3.23	0.53	5.10	3.23	0.90	5.10	3.23	1.48	5.10	3.23	1.82	4.91	3.14	2.01	3.49	2.48	1.41
19.4	26.7	5.62	3.56	0.66	5.62	3.56	1.14	5.53	3.52	1.74	5.28	3.40	1.88	5.03	3.28	2.01	3.57	2.62	1.41
22.0	30.0	6.87	3.84	1.19	6.38	3.61	1.47	5.89	3.38	1.75	5.64	3.28	1.89	5.39	3.17	2.02	3.79	2.53	1.41
24.0	32.0	7.12	3.70	1.20	6.63	3.49	1.48	6.13	3.28	1.76	5.89	3.18	1.90	5.62	3.08	2.02	3.94	2.47	1.41

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.95	8.22	0.23	10.95	8.22	0.38	10.95	8.22	0.67	10.95	8.22	0.89	10.95	8.22	1.16	10.87	8.18	1.41
60.8	71.6	14.07	9.34	0.34	14.07	9.34	0.58	14.07	9.34	0.99	14.07	9.34	1.28	14.07	9.34	1.60	11.40	8.05	1.41
64.4	77.0	17.42	11.03	0.53	17.42	11.03	0.90	17.42	11.03	1.48	17.42	11.03	1.82	16.76	10.71	2.01	11.92	8.46	1.41
67.0	80.0	19.18	12.16	0.66	19.18	12.16	1.14	18.85	12.00	1.74	18.00	11.59	1.88	17.18	11.18	2.01	12.18	8.94	1.41
71.6	86.0	23.45	13.10	1.19	21.78	12.31	1.47	20.10	11.55	1.75	19.26	11.18	1.89	18.38	10.80	2.02	12.95	8.64	1.41
75.2	89.6	24.28	12.62	1.20	22.61	11.90	1.48	20.93	11.20	1.76	20.09	10.86	1.90	19.16	10.50	2.02	13.45	8.42	1.41

Heating (60 Hz, 208 V)

AFR	11.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.80	1.27	3.36	1.34	3.93	1.40	4.49	1.47	6.08	1.72	6.61	1.77	7.68	1.89
21.1		2.63	1.31	3.19	1.37	3.76	1.44	4.32	1.50	5.88	1.76	6.41	1.81	7.47	1.93
22.0		2.56	1.32	3.12	1.39	3.69	1.45	4.25	1.52	5.80	1.77	6.33	1.83	7.29	1.90
24.0		2.49	1.33	3.05	1.40	3.62	1.46	4.18	1.53	5.72	1.79	6.25	1.84	6.85	1.74
25.0		2.46	1.34	3.02	1.41	3.58	1.47	4.15	1.54	5.68	1.79	6.21	1.85	6.63	1.67
27.0		2.39	1.36	2.95	1.42	3.51	1.49	4.08	1.55	5.60	1.81	6.13	1.87	6.19	1.53

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		9.55	1.27	11.48	1.34	13.41	1.40	15.33	1.47	20.76	1.72	22.57	1.77	26.19	1.89
70.0		8.97	1.31	10.89	1.37	12.82	1.44	14.74	1.50	20.00	1.76	21.87	1.81	25.50	1.93
71.6		8.73	1.32	10.66	1.39	12.58	1.45	14.51	1.52	19.79	1.77	21.60	1.83	24.88	1.90
75.2		8.49	1.33	10.42	1.40	12.35	1.46	14.27	1.53	19.51	1.79	21.32	1.84	23.37	1.74
77.0		8.38	1.34	10.30	1.41	12.23	1.47	14.15	1.54	19.37	1.79	21.18	1.85	22.62	1.67
80.6		8.14	1.36	10.07	1.42	11.99	1.49	13.92	1.55	19.09	1.81	20.91	1.87	21.11	1.53

Cooling (60 Hz, 230 V)

AFR	9.9
BF	0.17

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.21	2.41	0.23	3.21	2.41	0.38	3.21	2.41	0.67	3.21	2.41	0.89	3.21	2.41	1.16	3.21	2.41	1.55
16.0	22.0	4.12	2.74	0.34	4.12	2.74	0.58	4.12	2.74	0.99	4.12	2.74	1.28	4.12	2.74	1.60	3.59	2.48	1.56
18.0	25.0	5.10	3.23	0.53	5.10	3.23	0.90	5.10	3.23	1.48	5.10	3.23	1.82	4.91	3.14	2.01	3.75	2.60	1.56
19.4	26.7	5.62	3.56	0.66	5.62	3.56	1.14	5.53	3.52	1.74	5.28	3.40	1.88	5.03	3.28	2.01	3.84	2.74	1.56
22.0	30.0	6.87	3.84	1.19	6.38	3.61	1.47	5.89	3.38	1.75	5.64	3.28	1.89	5.40	3.17	2.03	4.09	2.64	1.56
24.0	32.0	7.12	3.70	1.20	6.63	3.49	1.48	6.13	3.28	1.76	5.89	3.18	1.90	5.64	3.09	2.03	4.25	2.58	1.56

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.95	8.22	0.23	10.95	8.22	0.38	10.95	8.22	0.67	10.95	8.22	0.89	10.95	8.22	1.16	10.95	8.22	1.55
60.8	71.6	14.07	9.34	0.34	14.07	9.34	0.58	14.07	9.34	0.99	14.07	9.34	1.28	14.07	9.34	1.60	12.24	8.45	1.56
64.4	77.0	17.42	11.03	0.53	17.42	11.03	0.90	17.42	11.03	1.48	17.42	11.03	1.82	16.76	10.71	2.01	12.81	8.86	1.56
67.0	80.0	19.18	12.16	0.66	19.18	12.16	1.14	18.85	12.00	1.74	18.00	11.59	1.88	17.18	11.18	2.01	13.10	9.34	1.56
71.6	86.0	23.45	13.10	1.19	21.78	12.31	1.47	20.10	11.55	1.75	19.26	11.18	1.89	18.42	10.82	2.03	13.95	9.02	1.56
75.2	89.6	24.28	12.62	1.20	22.61	11.90	1.48	20.93	11.20	1.76	20.09	10.86	1.90	19.25	10.53	2.03	14.51	8.79	1.56

Heating (60 Hz, 230 V)

AFR	11.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB	-15		-10		-5		0		6		10		18		
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
15.0	2.80	1.27	3.36	1.34	3.93	1.40	4.49	1.47	6.08	1.72	6.61	1.77	7.68	1.89	
21.1	2.63	1.31	3.19	1.37	3.76	1.44	4.32	1.50	5.88	1.76	6.41	1.81	7.47	1.93	
22.0	2.56	1.32	3.12	1.39	3.69	1.45	4.25	1.52	5.80	1.77	6.33	1.83	7.29	1.90	
24.0	2.49	1.33	3.05	1.40	3.62	1.46	4.18	1.53	5.72	1.79	6.25	1.84	6.85	1.74	
25.0	2.46	1.34	3.02	1.41	3.58	1.47	4.15	1.54	5.68	1.79	6.21	1.85	6.63	1.67	
27.0	2.39	1.36	2.95	1.42	3.51	1.49	4.08	1.55	5.60	1.81	6.13	1.87	6.19	1.53	

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	9.55	1.27	11.48	1.34	13.41	1.40	15.33	1.47	20.76	1.72	22.57	1.77	26.19	1.89	
70.0	8.97	1.31	10.89	1.37	12.82	1.44	14.74	1.50	20.00	1.76	21.87	1.81	25.50	1.93	
71.6	8.73	1.32	10.66	1.39	12.58	1.45	14.51	1.52	19.79	1.77	21.60	1.83	24.88	1.90	
75.2	8.49	1.33	10.42	1.40	12.35	1.46	14.27	1.53	19.51	1.79	21.32	1.84	23.37	1.74	
77.0	8.38	1.34	10.30	1.41	12.23	1.47	14.15	1.54	19.37	1.79	21.18	1.85	22.62	1.67	
80.6	8.14	1.36	10.07	1.42	11.99	1.49	13.92	1.55	19.09	1.81	20.91	1.87	21.11	1.53	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FDMQ09WVJU9 + RX09WMVJU9**Cooling (60 Hz, 208 V)**

AFR	6.4
BF	0.14

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.69	1.89	0.50	2.69	1.89	0.79	2.46	1.77	0.97	2.33	1.71	1.05	2.21	1.65	1.13	2.06	1.57	1.17
16.0	22.0	3.07	1.99	0.66	2.82	1.87	0.82	2.58	1.74	0.97	2.46	1.69	1.05	2.33	1.63	1.13	2.19	1.56	1.17
18.0	25.0	3.19	2.06	0.67	2.95	1.94	0.82	2.70	1.82	0.98	2.58	1.77	1.06	2.45	1.71	1.13	2.31	1.65	1.17
19.4	26.7	3.25	2.14	0.67	3.01	2.03	0.82	2.76	1.92	0.98	2.64	1.86	1.06	2.51	1.81	1.14	2.37	1.75	1.17
22.0	30.0	3.43	2.05	0.67	3.19	1.95	0.83	2.94	1.85	0.99	2.82	1.80	1.07	2.70	1.76	1.14	2.55	1.70	1.17
24.0	32.0	3.56	1.98	0.68	3.31	1.89	0.84	3.06	1.80	0.99	2.94	1.76	1.07	2.82	1.72	1.15	2.67	1.67	1.17

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	9.17	6.46	0.50	9.17	6.46	0.79	8.38	6.04	0.97	7.96	5.83	1.05	7.54	5.61	1.13	7.04	5.36	1.17
60.8	71.6	10.47	6.80	0.66	9.64	6.37	0.82	8.80	5.95	0.97	8.38	5.75	1.05	7.96	5.55	1.13	7.46	5.31	1.17
64.4	77.0	10.89	7.01	0.67	10.05	6.61	0.82	9.21	6.22	0.98	8.79	6.03	1.06	8.37	5.85	1.13	7.87	5.63	1.17
67.0	80.0	11.10	7.30	0.67	10.26	6.91	0.82	9.42	6.54	0.98	9.00	6.36	1.06	8.58	6.18	1.14	8.08	5.96	1.17
71.6	86.0	11.72	6.99	0.67	10.88	6.65	0.83	10.04	6.32	0.99	9.62	6.15	1.07	9.20	5.99	1.14	8.70	5.80	1.17
75.2	89.6	12.13	6.77	0.68	11.29	6.45	0.84	10.46	6.15	0.99	10.04	6.00	1.07	9.62	5.86	1.15	9.11	5.68	1.17

Heating (60 Hz, 208 V)

AFR	8.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.52	0.69	1.86	0.72	2.13	0.76	2.44	0.79	3.30	1.04	3.59	1.08	4.17	1.15
21.1		1.43	0.70	1.77	0.74	2.04	0.77	2.35	0.81	3.19	1.06	3.48	1.10	4.06	1.17
22.0		1.39	0.71	1.73	0.75	2.00	0.78	2.31	0.82	3.15	1.07	3.44	1.11	4.02	1.18
24.0		1.35	0.72	1.70	0.76	1.97	0.79	2.27	0.83	3.11	1.08	3.39	1.12	3.97	1.19
25.0		1.33	0.72	1.68	0.76	1.95	0.79	2.25	0.83	3.08	1.09	3.37	1.12	3.95	1.19
27.0		1.30	0.73	1.64	0.77	1.91	0.80	2.22	0.84	3.04	1.10	3.33	1.13	3.91	1.20

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		5.19	0.69	6.36	0.72	7.28	0.76	8.33	0.79	11.28	1.04	12.26	1.08	14.23	1.15
70.0		4.87	0.70	6.04	0.74	6.96	0.77	8.01	0.81	10.90	1.06	11.88	1.10	13.85	1.17
71.6		4.74	0.71	5.91	0.75	6.84	0.78	7.88	0.82	10.75	1.07	11.73	1.11	13.70	1.18
75.2		4.62	0.72	5.79	0.76	6.71	0.79	7.75	0.83	10.60	1.08	11.58	1.12	13.55	1.19
77.0		4.55	0.72	5.72	0.76	6.64	0.79	7.69	0.83	10.52	1.09	11.51	1.12	13.48	1.19
80.6		4.42	0.73	5.60	0.77	6.52	0.80	7.56	0.84	10.37	1.10	11.36	1.13	13.33	1.20

Cooling (60 Hz, 230 V)

AFR	6.4
BF	0.14

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.69	1.89	0.50	2.69	1.89	0.79	2.46	1.77	0.97	2.33	1.71	1.05	2.21	1.65	1.13	2.06	1.57	1.22
16.0	22.0	3.07	1.99	0.66	2.82	1.87	0.82	2.58	1.74	0.97	2.46	1.69	1.05	2.33	1.63	1.13	2.19	1.56	1.22
18.0	25.0	3.19	2.06	0.67	2.95	1.94	0.82	2.70	1.82	0.98	2.58	1.77	1.06	2.45	1.71	1.13	2.31	1.65	1.23
19.4	26.7	3.25	2.14	0.67	3.01	2.03	0.82	2.76	1.92	0.98	2.64	1.86	1.06	2.51	1.81	1.14	2.37	1.75	1.23
22.0	30.0	3.43	2.05	0.67	3.19	1.95	0.83	2.94	1.85	0.99	2.82	1.80	1.07	2.70	1.76	1.14	2.55	1.70	1.24
24.0	32.0	3.56	1.98	0.68	3.31	1.89	0.84	3.06	1.80	0.99	2.94	1.76	1.07	2.82	1.72	1.15	2.67	1.67	1.24

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	9.17	6.46	0.50	9.17	6.46	0.79	8.38	6.04	0.97	7.96	5.83	1.05	7.54	5.61	1.13	7.04	5.36	1.22
60.8	71.6	10.47	6.80	0.66	9.64	6.37	0.82	8.80	5.95	0.97	8.38	5.75	1.05	7.96	5.55	1.13	7.46	5.31	1.22
64.4	77.0	10.89	7.01	0.67	10.05	6.61	0.82	9.21	6.22	0.98	8.79	6.03	1.06	8.37	5.85	1.13	7.87	5.63	1.23
67.0	80.0	11.10	7.30	0.67	10.26	6.91	0.82	9.42	6.54	0.98	9.00	6.36	1.06	8.58	6.18	1.14	8.08	5.96	1.23
71.6	86.0	11.72	6.99	0.67	10.88	6.65	0.83	10.04	6.32	0.99	9.62	6.15	1.07	9.20	5.99	1.14	8.70	5.80	1.24
75.2	89.6	12.13	6.77	0.68	11.29	6.45	0.84	10.46	6.15	0.99	10.04	6.00	1.07	9.62	5.86	1.15	9.11	5.68	1.24

Heating (60 Hz, 230 V)

AFR	8.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.52	0.69	1.83	0.72	2.13	0.76	2.44	0.79	3.30	1.04	3.59	1.08	4.17	1.15
21.1		1.43	0.70	1.73	0.74	2.04	0.77	2.35	0.81	3.19	1.06	3.48	1.10	4.06	1.17
22.0		1.39	0.71	1.70	0.75	2.00	0.78	2.31	0.82	3.15	1.07	3.44	1.11	4.02	1.18
24.0		1.35	0.72	1.66	0.75	1.97	0.79	2.27	0.83	3.11	1.08	3.39	1.12	3.97	1.19
25.0		1.33	0.72	1.64	0.76	1.95	0.79	2.25	0.83	3.08	1.09	3.37	1.12	3.95	1.19
27.0		1.30	0.73	1.60	0.77	1.91	0.80	2.22	0.84	3.04	1.10	3.33	1.13	3.91	1.20

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	5.19	0.69	6.24	0.72	7.28	0.76	8.33	0.79	11.28	1.04	12.26	1.08	14.23	1.15	
70.0	4.87	0.70	5.92	0.74	6.96	0.77	8.01	0.81	10.90	1.06	11.88	1.10	13.85	1.17	
71.6	4.74	0.71	5.79	0.75	6.84	0.78	7.88	0.82	10.75	1.07	11.73	1.11	13.70	1.18	
75.2	4.62	0.72	5.66	0.75	6.71	0.79	7.75	0.83	10.60	1.08	11.58	1.12	13.55	1.19	
77.0	4.55	0.72	5.60	0.76	6.64	0.79	7.69	0.83	10.52	1.09	11.51	1.12	13.48	1.19	
80.6	4.42	0.73	5.47	0.77	6.52	0.80	7.56	0.84	10.37	1.10	11.36	1.13	13.33	1.20	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FDMQ12WVJU9 + RX12WMVJU9**Cooling (60 Hz, 208 V)**

AFR	7.8
BF	0.17

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.14	2.21	0.57	3.14	2.21	0.86	2.95	2.11	1.12	2.80	2.03	1.21	2.65	1.96	1.30	2.48	1.87	1.17
16.0	22.0	3.68	2.38	0.77	3.39	2.23	0.95	3.09	2.08	1.13	2.95	2.01	1.22	2.80	1.94	1.31	2.62	1.85	1.17
18.0	25.0	3.83	2.45	0.77	3.53	2.31	0.95	3.24	2.17	1.13	3.09	2.10	1.22	2.94	2.04	1.32	2.77	1.96	1.17
19.4	26.7	3.90	2.55	0.77	3.61	2.41	0.96	3.31	2.28	1.14	3.17	2.21	1.23	3.02	2.15	1.32	2.84	2.07	1.17
22.0	30.0	4.12	2.44	0.78	3.83	2.32	0.96	3.53	2.20	1.14	3.38	2.14	1.24	3.24	2.08	1.33	3.06	2.02	1.17
24.0	32.0	4.27	2.36	0.79	3.97	2.25	0.97	3.68	2.14	1.15	3.53	2.09	1.24	3.38	2.04	1.33	3.21	1.97	1.17

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.70	7.54	0.57	10.70	7.54	0.86	10.06	7.20	1.12	9.56	6.94	1.21	9.05	6.68	1.30	8.45	6.37	1.17
60.8	71.6	12.57	8.12	0.77	11.56	7.60	0.95	10.56	7.09	1.13	10.05	6.85	1.22	9.55	6.60	1.31	8.95	6.32	1.17
64.4	77.0	13.07	8.36	0.77	12.06	7.87	0.95	11.05	7.40	1.13	10.55	7.17	1.22	10.05	6.95	1.32	9.44	6.68	1.17
67.0	80.0	13.31	8.70	0.77	12.31	8.23	0.96	11.30	7.77	1.14	10.80	7.55	1.23	10.30	7.33	1.32	9.69	7.07	1.17
71.6	86.0	14.06	8.32	0.78	13.06	7.91	0.96	12.05	7.50	1.14	11.55	7.31	1.24	11.04	7.11	1.33	10.44	6.88	1.17
75.2	89.6	14.56	8.05	0.79	13.55	7.67	0.97	12.55	7.30	1.15	12.04	7.12	1.24	11.54	6.95	1.33	10.94	6.74	1.17

Heating (60 Hz, 208 V)

AFR	10.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.90	0.86	2.33	0.90	2.66	0.94	3.05	0.99	4.12	1.30	4.48	1.34	5.07	1.36
21.1		1.78	0.88	2.21	0.93	2.55	0.97	2.93	1.01	3.99	1.33	4.35	1.37	4.89	1.36
22.0		1.73	0.89	2.16	0.94	2.50	0.98	2.88	1.02	3.93	1.34	4.29	1.38	4.82	1.36
24.0		1.69	0.90	2.12	0.95	2.45	0.99	2.84	1.03	3.88	1.35	4.24	1.40	4.75	1.36
25.0		1.66	0.90	2.09	0.95	2.43	0.99	2.81	1.03	3.85	1.36	4.21	1.40	4.72	1.36
27.0		1.62	0.91	2.05	0.96	2.38	1.00	2.77	1.04	3.79	1.37	4.15	1.41	4.65	1.36

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		6.48	0.86	7.94	0.90	9.09	0.94	10.39	0.99	14.07	1.30	15.30	1.34	17.28	1.36
70.0		6.08	0.88	7.54	0.93	8.69	0.97	9.99	1.01	13.60	1.33	14.83	1.37	16.67	1.36
71.6		5.92	0.89	7.38	0.94	8.53	0.98	9.83	1.02	13.41	1.34	14.64	1.38	16.43	1.36
75.2		5.76	0.90	7.22	0.95	8.37	0.99	9.67	1.03	13.22	1.35	14.45	1.40	16.20	1.36
77.0		5.68	0.90	7.14	0.95	8.29	0.99	9.59	1.03	13.13	1.36	14.36	1.40	16.09	1.36
80.6		5.52	0.91	6.98	0.96	8.13	1.00	9.43	1.04	12.94	1.37	14.17	1.41	15.86	1.36

Cooling (60 Hz, 230 V)

AFR	7.8
BF	0.17

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.14	2.21	0.57	3.14	2.21	0.86	2.95	2.11	1.12	2.80	2.03	1.21	2.65	1.96	1.30	2.48	1.87	1.30
16.0	22.0	3.68	2.38	0.77	3.39	2.23	0.95	3.09	2.08	1.13	2.95	2.01	1.22	2.80	1.94	1.31	2.62	1.85	1.30
18.0	25.0	3.83	2.45	0.77	3.53	2.31	0.95	3.24	2.17	1.13	3.09	2.10	1.22	2.94	2.04	1.32	2.77	1.96	1.30
19.4	26.7	3.90	2.55	0.77	3.61	2.41	0.96	3.31	2.28	1.14	3.17	2.21	1.23	3.02	2.15	1.32	2.84	2.07	1.30
22.0	30.0	4.12	2.44	0.78	3.83	2.32	0.96	3.53	2.20	1.14	3.38	2.14	1.24	3.24	2.08	1.33	3.06	2.02	1.30
24.0	32.0	4.27	2.36	0.79	3.97	2.25	0.97	3.68	2.14	1.15	3.53	2.09	1.24	3.38	2.04	1.33	3.21	1.97	1.30

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.70	7.54	0.57	10.70	7.54	0.86	10.06	7.20	1.12	9.56	6.94	1.21	9.05	6.68	1.30	8.45	6.37	1.30
60.8	71.6	12.57	8.12	0.77	11.56	7.60	0.95	10.56	7.09	1.13	10.05	6.85	1.22	9.55	6.60	1.31	8.95	6.32	1.30
64.4	77.0	13.07	8.36	0.77	12.06	7.87	0.95	11.05	7.40	1.13	10.55	7.17	1.22	10.05	6.95	1.32	9.44	6.68	1.30
67.0	80.0	13.31	8.70	0.77	12.31	8.23	0.96	11.30	7.77	1.14	10.80	7.55	1.23	10.30	7.33	1.32	9.69	7.07	1.30
71.6	86.0	14.06	8.32	0.78	13.06	7.91	0.96	12.05	7.50	1.14	11.55	7.31	1.24	11.04	7.11	1.33	10.44	6.88	1.30
75.2	89.6	14.56	8.05	0.79	13.55	7.67	0.97	12.55	7.30	1.15	12.04	7.12	1.24	11.54	6.95	1.33	10.94	6.74	1.30

Heating (60 Hz, 230 V)

AFR	10.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB	-15		-10		-5		0		6		10		18		
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
15.0	1.90	0.86	2.28	0.90	2.66	0.94	3.05	0.99	4.12	1.30	4.48	1.34	5.20	1.43	
21.1	1.78	0.88	2.16	0.92	2.55	0.97	2.93	1.01	3.99	1.33	4.35	1.37	5.07	1.46	
22.0	1.73	0.89	2.12	0.93	2.50	0.98	2.88	1.02	3.93	1.34	4.29	1.38	5.01	1.47	
24.0	1.69	0.90	2.07	0.94	2.45	0.99	2.84	1.03	3.88	1.35	4.24	1.40	4.96	1.48	
25.0	1.66	0.90	2.05	0.95	2.43	0.99	2.81	1.03	3.85	1.36	4.21	1.40	4.93	1.49	
27.0	1.62	0.91	2.00	0.96	2.38	1.00	2.77	1.04	3.79	1.37	4.15	1.41	4.87	1.50	

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	6.48	0.86	7.78	0.90	9.09	0.94	10.39	0.99	14.07	1.30	15.30	1.34	17.76	1.43	
70.0	6.08	0.88	7.38	0.92	8.69	0.97	9.99	1.01	13.60	1.33	14.83	1.37	17.29	1.46	
71.6	5.92	0.89	7.22	0.93	8.53	0.98	9.83	1.02	13.41	1.34	14.64	1.38	17.10	1.47	
75.2	5.76	0.90	7.06	0.94	8.37	0.99	9.67	1.03	13.22	1.35	14.45	1.40	16.91	1.48	
77.0	5.68	0.90	6.98	0.95	8.29	0.99	9.59	1.03	13.13	1.36	14.36	1.40	16.82	1.49	
80.6	5.52	0.91	6.82	0.96	8.13	1.00	9.43	1.04	12.94	1.37	14.17	1.41	16.63	1.50	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FDMQ15WVJU9 + RX15WMVJU9**Cooling (60 Hz, 208 V)**

AFR	9.9
BF	0.20

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.87	2.73	0.67	3.87	2.73	0.93	3.87	2.73	1.28	3.73	2.65	1.42	3.54	2.55	1.53	3.30	2.43	1.30
16.0	22.0	4.76	3.05	0.86	4.52	2.92	1.11	4.13	2.72	1.32	3.93	2.62	1.43	3.73	2.52	1.54	3.50	2.41	1.30
18.0	25.0	5.11	3.21	0.90	4.71	3.02	1.12	4.32	2.83	1.33	4.12	2.74	1.44	3.93	2.65	1.54	3.69	2.54	1.30
19.4	26.7	5.20	3.33	0.91	4.81	3.14	1.12	4.42	2.96	1.33	4.22	2.87	1.44	4.02	2.78	1.55	3.79	2.68	1.30
22.0	30.0	5.49	3.18	0.92	5.10	3.02	1.13	4.71	2.85	1.34	4.51	2.78	1.45	4.32	2.70	1.56	4.08	2.61	1.30
24.0	32.0	5.69	3.08	0.92	5.30	2.92	1.14	4.90	2.78	1.35	4.71	2.70	1.46	4.51	2.63	1.56	4.27	2.55	1.30

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	13.22	9.31	0.67	13.22	9.31	0.93	13.22	9.31	1.28	12.74	9.06	1.42	12.07	8.70	1.53	11.27	8.29	1.30
60.8	71.6	16.24	10.40	0.86	15.42	9.97	1.11	14.08	9.28	1.32	13.40	8.94	1.43	12.73	8.61	1.54	11.93	8.22	1.30
64.4	77.0	17.42	10.97	0.90	16.08	10.30	1.12	14.74	9.65	1.33	14.07	9.34	1.44	13.40	9.03	1.54	12.59	8.66	1.30
67.0	80.0	17.75	11.37	0.91	16.41	10.72	1.12	15.07	10.10	1.33	14.40	9.80	1.44	13.73	9.50	1.55	12.92	9.15	1.30
71.6	86.0	18.75	10.87	0.92	17.41	10.29	1.13	16.07	9.74	1.34	15.40	9.47	1.45	14.72	9.20	1.56	13.92	8.89	1.30
75.2	89.6	19.41	10.50	0.92	18.07	9.98	1.14	16.73	9.47	1.35	16.06	9.22	1.46	15.39	8.98	1.56	14.58	8.69	1.30

Heating (60 Hz, 208 V)

AFR	12.5
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.51	1.13	3.08	1.20	3.53	1.25	4.03	1.31	5.46	1.72	5.93	1.78	5.78	1.51
21.1		2.36	1.16	2.92	1.23	3.37	1.28	3.88	1.34	5.28	1.76	5.75	1.82	5.55	1.51
22.0		2.30	1.18	2.86	1.24	3.31	1.29	3.81	1.35	5.20	1.77	5.68	1.83	5.47	1.51
24.0		2.23	1.19	2.80	1.25	3.25	1.30	3.75	1.36	5.13	1.79	5.61	1.85	5.38	1.51
25.0		2.20	1.20	2.77	1.26	3.22	1.31	3.72	1.37	5.09	1.80	5.57	1.86	5.34	1.51
27.0		2.14	1.21	2.71	1.27	3.15	1.32	3.66	1.38	5.02	1.81	5.50	1.87	5.25	1.51

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		8.57	1.13	10.51	1.20	12.03	1.25	13.75	1.31	18.62	1.72	20.25	1.78	19.72	1.51
70.0		8.04	1.16	9.98	1.23	11.50	1.28	13.23	1.34	18.00	1.76	19.63	1.82	18.95	1.51
71.6		7.83	1.18	9.77	1.24	11.29	1.29	13.02	1.35	17.75	1.77	19.38	1.83	18.65	1.51
75.2		7.62	1.19	9.56	1.25	11.08	1.30	12.80	1.36	17.50	1.79	19.13	1.85	18.36	1.51
77.0		7.52	1.20	9.45	1.26	10.97	1.31	12.70	1.37	17.38	1.80	19.00	1.86	18.21	1.51
80.6		7.30	1.21	9.24	1.27	10.76	1.32	12.49	1.38	17.13	1.81	18.76	1.87	17.93	1.51

Cooling (60 Hz, 230 V)

AFR	9.9
BF	0.20

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.87	2.73	0.67	3.87	2.73	0.93	3.87	2.73	1.28	3.73	2.65	1.42	3.54	2.55	1.53	3.30	2.43	1.44
16.0	22.0	4.76	3.05	0.86	4.52	2.92	1.11	4.13	2.72	1.32	3.93	2.62	1.43	3.73	2.52	1.54	3.50	2.41	1.44
18.0	25.0	5.11	3.21	0.90	4.71	3.02	1.12	4.32	2.83	1.33	4.12	2.74	1.44	3.93	2.65	1.54	3.69	2.54	1.44
19.4	26.7	5.20	3.33	0.91	4.81	3.14	1.12	4.42	2.96	1.33	4.22	2.87	1.44	4.02	2.78	1.55	3.79	2.68	1.44
22.0	30.0	5.49	3.18	0.92	5.10	3.02	1.13	4.71	2.85	1.34	4.51	2.78	1.45	4.32	2.70	1.56	4.08	2.61	1.44
24.0	32.0	5.69	3.08	0.92	5.30	2.92	1.14	4.90	2.78	1.35	4.71	2.70	1.46	4.51	2.63	1.56	4.27	2.55	1.44

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	13.22	9.31	0.67	13.22	9.31	0.93	13.22	9.31	1.28	12.74	9.06	1.42	12.07	8.70	1.53	11.27	8.29	1.44
60.8	71.6	16.24	10.40	0.86	15.42	9.97	1.11	14.08	9.28	1.32	13.40	8.94	1.43	12.73	8.61	1.54	11.93	8.22	1.44
64.4	77.0	17.42	10.97	0.90	16.08	10.30	1.12	14.74	9.65	1.33	14.07	9.34	1.44	13.40	9.03	1.54	12.59	8.66	1.44
67.0	80.0	17.75	11.37	0.91	16.41	10.72	1.12	15.07	10.10	1.33	14.40	9.80	1.44	13.73	9.50	1.55	12.92	9.15	1.44
71.6	86.0	18.75	10.87	0.92	17.41	10.29	1.13	16.07	9.74	1.34	15.40	9.47	1.45	14.72	9.20	1.56	13.92	8.89	1.44
75.2	89.6	19.41	10.50	0.92	18.07	9.98	1.14	16.73	9.47	1.35	16.06	9.22	1.46	15.39	8.98	1.56	14.58	8.69	1.44

Heating (60 Hz, 230 V)

AFR	12.5
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB	-15		-10		-5		0		6		10		18		
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
15.0	2.51	1.13	3.02	1.19	3.53	1.25	4.03	1.31	5.46	1.72	5.93	1.78	6.26	1.67	
21.1	2.36	1.16	2.86	1.22	3.37	1.28	3.88	1.34	5.28	1.76	5.75	1.82	6.01	1.67	
22.0	2.30	1.18	2.80	1.23	3.31	1.29	3.81	1.35	5.20	1.77	5.68	1.83	5.91	1.67	
24.0	2.23	1.19	2.74	1.25	3.25	1.30	3.75	1.36	5.13	1.79	5.61	1.85	5.82	1.67	
25.0	2.20	1.20	2.71	1.25	3.22	1.31	3.72	1.37	5.09	1.80	5.57	1.86	5.77	1.67	
27.0	2.14	1.21	2.65	1.27	3.15	1.32	3.66	1.38	5.02	1.81	5.50	1.87	5.68	1.67	

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		8.57	1.13	10.30	1.19	12.03	1.25	13.75	1.31	18.62	1.72	20.25	1.78	21.35	1.67
70.0		8.04	1.16	9.77	1.22	11.50	1.28	13.23	1.34	18.00	1.76	19.63	1.82	20.50	1.67
71.6		7.83	1.18	9.56	1.23	11.29	1.29	13.02	1.35	17.75	1.77	19.38	1.83	20.17	1.67
75.2		7.62	1.19	9.35	1.25	11.08	1.30	12.80	1.36	17.50	1.79	19.13	1.85	19.85	1.67
77.0		7.52	1.20	9.24	1.25	10.97	1.31	12.70	1.37	17.38	1.80	19.00	1.86	19.69	1.67
80.6		7.30	1.21	9.03	1.27	10.76	1.32	12.49	1.38	17.13	1.81	18.76	1.87	19.38	1.67

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FDMQ18WVJU9 + RX18WMVJU9**Cooling (60 Hz, 208 V)**

AFR	12.3
BF	0.21

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	4.72	3.32	0.84	4.72	3.32	1.17	4.72	3.32	1.65	4.56	3.24	1.85	4.32	3.11	1.99	4.04	2.97	1.43
16.0	22.0	5.79	3.71	1.10	5.52	3.57	1.44	5.04	3.32	1.72	4.80	3.20	1.86	4.56	3.08	2.00	4.27	2.94	1.43
18.0	25.0	6.24	3.92	1.18	5.76	3.68	1.45	5.28	3.45	1.73	5.04	3.34	1.87	4.80	3.23	2.01	4.51	3.10	1.43
19.4	26.7	6.36	4.07	1.18	5.88	3.84	1.46	5.40	3.61	1.73	5.16	3.50	1.87	4.92	3.40	2.01	4.63	3.27	1.43
22.0	30.0	6.72	3.89	1.19	6.24	3.68	1.47	5.75	3.48	1.75	5.51	3.39	1.88	5.27	3.29	2.02	4.99	3.18	1.43
24.0	32.0	6.95	3.76	1.20	6.47	3.57	1.48	5.99	3.39	1.75	5.75	3.30	1.89	5.51	3.21	2.03	5.22	3.11	1.43

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	16.09	11.33	0.84	16.09	11.33	1.17	16.09	11.33	1.65	15.57	11.06	1.85	14.75	10.63	1.99	13.77	10.12	1.43
60.8	71.6	19.76	12.66	1.10	18.84	12.17	1.44	17.20	11.33	1.72	16.38	10.92	1.86	15.56	10.51	2.00	14.58	10.03	1.43
64.4	77.0	21.29	13.39	1.18	19.65	12.57	1.45	18.01	11.78	1.73	17.19	11.40	1.87	16.38	11.02	2.01	15.39	10.57	1.43
67.0	80.0	21.70	13.88	1.18	20.06	13.09	1.46	18.42	12.33	1.73	17.60	11.96	1.87	16.78	11.59	2.01	15.80	11.16	1.43
71.6	86.0	22.91	13.27	1.19	21.27	12.57	1.47	19.64	11.89	1.75	18.82	11.56	1.88	18.00	11.23	2.02	17.01	10.85	1.43
75.2	89.6	23.72	12.82	1.20	22.09	12.18	1.48	20.45	11.56	1.75	19.63	11.26	1.89	18.81	10.96	2.03	17.82	10.61	1.43

Heating (60 Hz, 208 V)

AFR	17.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.01	1.36	3.70	1.44	4.23	1.50	4.84	1.57	6.55	2.06	7.12	2.13	7.73	2.03
21.1		2.83	1.40	3.51	1.47	4.04	1.54	4.65	1.60	6.33	2.11	6.90	2.18	7.45	2.03
22.0		2.75	1.41	3.44	1.49	3.97	1.55	4.58	1.62	6.24	2.13	6.82	2.20	7.35	2.03
24.0		2.68	1.43	3.36	1.50	3.90	1.57	4.50	1.64	6.16	2.15	6.73	2.22	7.25	2.03
25.0		2.64	1.43	3.32	1.51	3.86	1.57	4.47	1.64	6.11	2.16	6.68	2.23	7.19	2.03
27.0		2.57	1.45	3.25	1.53	3.78	1.59	4.39	1.66	6.02	2.18	6.60	2.25	7.09	2.03

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		10.29	1.36	12.61	1.44	14.43	1.50	16.51	1.57	22.35	2.06	24.30	2.13	26.37	2.03
70.0		9.65	1.40	11.97	1.47	13.80	1.54	15.87	1.60	21.60	2.11	23.55	2.18	25.43	2.03
71.6		9.40	1.41	11.72	1.49	13.55	1.55	15.62	1.62	21.30	2.13	23.25	2.20	25.07	2.03
75.2		9.15	1.43	11.47	1.50	13.29	1.57	15.37	1.64	21.00	2.15	22.95	2.22	24.72	2.03
77.0		9.02	1.43	11.34	1.51	13.17	1.57	15.24	1.64	20.85	2.16	22.81	2.23	24.55	2.03
80.6		8.77	1.45	11.09	1.53	12.91	1.59	14.98	1.66	20.56	2.18	22.51	2.25	24.21	2.03

Cooling (60 Hz, 230 V)

AFR	12.3
BF	0.21

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	4.72	3.32	0.84	4.72	3.32	1.17	4.72	3.32	1.65	4.56	3.24	1.85	4.32	3.11	1.99	4.04	2.97	1.58
16.0	22.0	5.79	3.71	1.10	5.52	3.57	1.44	5.04	3.32	1.72	4.80	3.20	1.86	4.56	3.08	2.00	4.27	2.94	1.58
18.0	25.0	6.24	3.92	1.18	5.76	3.68	1.45	5.28	3.45	1.73	5.04	3.34	1.87	4.80	3.23	2.01	4.51	3.10	1.58
19.4	26.7	6.36	4.07	1.18	5.88	3.84	1.46	5.40	3.61	1.73	5.16	3.50	1.87	4.92	3.40	2.01	4.63	3.27	1.58
22.0	30.0	6.72	3.89	1.19	6.24	3.68	1.47	5.75	3.48	1.75	5.51	3.39	1.88	5.27	3.29	2.02	4.99	3.18	1.58
24.0	32.0	6.95	3.76	1.20	6.47	3.57	1.48	5.99	3.39	1.75	5.75	3.30	1.89	5.51	3.21	2.03	5.22	3.11	1.58

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	16.09	11.33	0.84	16.09	11.33	1.17	16.09	11.33	1.65	15.57	11.06	1.85	14.75	10.63	1.99	13.77	10.12	1.58
60.8	71.6	19.76	12.66	1.10	18.84	12.17	1.44	17.20	11.33	1.72	16.38	10.92	1.86	15.56	10.51	2.00	14.58	10.03	1.58
64.4	77.0	21.29	13.39	1.18	19.65	12.57	1.45	18.01	11.78	1.73	17.19	11.40	1.87	16.38	11.02	2.01	15.39	10.57	1.58
67.0	80.0	21.70	13.88	1.18	20.06	13.09	1.46	18.42	12.33	1.73	17.60	11.96	1.87	16.78	11.59	2.01	15.80	11.16	1.58
71.6	86.0	22.91	13.27	1.19	21.27	12.57	1.47	19.64	11.89	1.75	18.82	11.56	1.88	18.00	11.23	2.02	17.01	10.85	1.58
75.2	89.6	23.72	12.82	1.20	22.09	12.18	1.48	20.45	11.56	1.75	19.63	11.26	1.89	18.81	10.96	2.03	17.82	10.61	1.58

Heating (60 Hz, 230 V)

AFR	17.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.01	1.36	3.62	1.43	4.23	1.50	4.84	1.57	6.55	2.06	7.12	2.13	8.20	2.24
21.1		2.83	1.40	3.44	1.47	4.04	1.54	4.65	1.60	6.33	2.11	6.90	2.18	7.90	2.24
22.0		2.75	1.41	3.36	1.48	3.97	1.55	4.58	1.62	6.24	2.13	6.82	2.20	7.78	2.24
24.0		2.68	1.43	3.29	1.50	3.90	1.57	4.50	1.64	6.16	2.15	6.73	2.22	7.67	2.24
25.0		2.64	1.43	3.25	1.50	3.86	1.57	4.47	1.64	6.11	2.16	6.68	2.23	7.61	2.24
27.0		2.57	1.45	3.18	1.52	3.78	1.59	4.39	1.66	6.02	2.18	6.60	2.25	7.50	2.24

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		10.29	1.36	12.36	1.43	14.43	1.50	16.51	1.57	22.35	2.06	24.30	2.13	27.98	2.24
70.0		9.65	1.40	11.73	1.47	13.80	1.54	15.87	1.60	21.60	2.11	23.55	2.18	26.95	2.24
71.6		9.40	1.41	11.47	1.48	13.55	1.55	15.62	1.62	21.30	2.13	23.25	2.20	26.55	2.24
75.2		9.15	1.43	11.22	1.50	13.29	1.57	15.37	1.64	21.00	2.15	22.95	2.22	26.16	2.24
77.0		9.02	1.43	11.09	1.50	13.17	1.57	15.24	1.64	20.85	2.16	22.81	2.23	25.97	2.24
80.6		8.77	1.45	10.84	1.52	12.91	1.59	14.98	1.66	20.56	2.18	22.51	2.25	25.60	2.24

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FDMQ24WVJU9 + RX24WMVJU9**Cooling (60 Hz, 208 V)**

AFR	15.1
BF	0.24

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.59	3.94	1.00	5.59	3.94	1.36	5.59	3.94	1.83	5.59	3.94	2.12	5.36	3.81	2.32	5.00	3.63	1.83
16.0	22.0	6.87	4.40	1.23	6.84	4.39	1.68	6.25	4.07	2.00	5.95	3.92	2.17	5.65	3.77	2.33	5.29	3.60	1.83
18.0	25.0	7.73	4.82	1.37	7.13	4.52	1.69	6.54	4.23	2.01	6.24	4.09	2.18	5.94	3.95	2.34	5.59	3.78	1.83
19.4	26.7	7.88	4.99	1.37	7.28	4.70	1.70	6.69	4.42	2.02	6.39	4.28	2.18	6.09	4.14	2.34	5.73	3.99	1.83
22.0	30.0	8.32	4.77	1.39	7.72	4.51	1.71	7.13	4.26	2.03	6.83	4.13	2.19	6.53	4.01	2.36	6.18	3.87	1.83
24.0	32.0	8.61	4.60	1.40	8.02	4.37	1.72	7.42	4.14	2.04	7.13	4.02	2.20	6.83	3.91	2.37	6.47	3.79	1.83

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	19.09	13.44	1.00	19.09	13.44	1.36	19.09	13.44	1.83	19.09	13.44	2.12	18.27	13.01	2.32	17.06	12.37	1.83
60.8	71.6	23.44	15.02	1.23	23.34	14.96	1.68	21.31	13.90	2.00	20.29	13.38	2.17	19.28	12.87	2.33	18.06	12.27	1.83
64.4	77.0	26.37	16.46	1.37	24.34	15.42	1.69	22.31	14.43	2.01	21.30	13.94	2.18	20.28	13.46	2.34	19.06	12.90	1.83
67.0	80.0	26.88	17.03	1.37	24.85	16.03	1.70	22.82	15.07	2.02	21.80	14.60	2.18	20.78	14.14	2.34	19.57	13.60	1.83
71.6	86.0	28.38	16.27	1.39	26.35	15.38	1.71	24.32	14.52	2.03	23.31	14.11	2.19	22.29	13.70	2.36	21.07	13.22	1.83
75.2	89.6	29.39	15.71	1.40	27.36	14.90	1.72	25.33	14.11	2.04	24.31	13.73	2.20	23.30	13.36	2.37	22.08	12.92	1.83

Heating (60 Hz, 208 V)

AFR	21.0
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.35	1.51	4.11	1.60	4.70	1.66	5.38	1.74	7.28	2.29	7.91	2.37	8.24	2.14
21.1		3.14	1.55	3.90	1.64	4.49	1.71	5.17	1.78	7.03	2.34	7.67	2.42	7.94	2.14
22.0		3.06	1.57	3.82	1.65	4.41	1.72	5.09	1.80	6.94	2.37	7.57	2.44	7.83	2.14
24.0		2.98	1.59	3.73	1.67	4.33	1.74	5.00	1.82	6.84	2.39	7.48	2.46	7.72	2.14
25.0		2.94	1.59	3.69	1.68	4.29	1.75	4.96	1.83	6.79	2.40	7.43	2.47	7.66	2.14
27.0		2.85	1.61	3.61	1.70	4.20	1.76	4.88	1.84	6.69	2.42	7.33	2.50	7.55	2.14

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		11.43	1.51	14.01	1.60	16.04	1.66	18.34	1.74	24.83	2.29	27.00	2.37	28.12	2.14
70.0		10.73	1.55	13.31	1.64	15.33	1.71	17.64	1.78	24.00	2.34	26.17	2.42	27.11	2.14
71.6		10.44	1.57	13.02	1.65	15.05	1.72	17.35	1.80	23.67	2.37	25.84	2.44	26.71	2.14
75.2		10.16	1.59	12.74	1.67	14.77	1.74	17.07	1.82	23.34	2.39	25.51	2.46	26.33	2.14
77.0		10.02	1.59	12.60	1.68	14.63	1.75	16.93	1.83	23.17	2.40	25.34	2.47	26.14	2.14
80.6		9.74	1.61	12.32	1.70	14.35	1.76	16.65	1.84	22.84	2.42	25.01	2.50	25.76	2.14

Cooling (60 Hz, 230 V)

AFR	15.1
BF	0.24

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.59	3.94	1.00	5.59	3.94	1.36	5.59	3.94	1.83	5.59	3.94	2.12	5.36	3.81	2.32	5.00	3.63	2.03
16.0	22.0	6.87	4.40	1.23	6.84	4.39	1.68	6.25	4.07	2.00	5.95	3.92	2.17	5.65	3.77	2.33	5.29	3.60	2.03
18.0	25.0	7.73	4.82	1.37	7.13	4.52	1.69	6.54	4.23	2.01	6.24	4.09	2.18	5.94	3.95	2.34	5.59	3.78	2.03
19.4	26.7	7.88	4.99	1.37	7.28	4.70	1.70	6.69	4.42	2.02	6.39	4.28	2.18	6.09	4.14	2.34	5.73	3.99	2.03
22.0	30.0	8.32	4.77	1.39	7.72	4.51	1.71	7.13	4.26	2.03	6.83	4.13	2.19	6.53	4.01	2.36	6.18	3.87	2.03
24.0	32.0	8.61	4.60	1.40	8.02	4.37	1.72	7.42	4.14	2.04	7.13	4.02	2.20	6.83	3.91	2.37	6.47	3.79	2.03

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	19.09	13.44	1.00	19.09	13.44	1.36	19.09	13.44	1.83	19.09	13.44	2.12	18.27	13.01	2.32	17.06	12.37	2.03
60.8	71.6	23.44	15.02	1.23	23.34	14.96	1.68	21.31	13.90	2.00	20.29	13.38	2.17	19.28	12.87	2.33	18.06	12.27	2.03
64.4	77.0	26.37	16.46	1.37	24.34	15.42	1.69	22.31	14.43	2.01	21.30	13.94	2.18	20.28	13.46	2.34	19.06	12.90	2.03
67.0	80.0	26.88	17.03	1.37	24.85	16.03	1.70	22.82	15.07	2.02	21.80	14.60	2.18	20.78	14.14	2.34	19.57	13.60	2.03
71.6	86.0	28.38	16.27	1.39	26.35	15.38	1.71	24.32	14.52	2.03	23.31	14.11	2.19	22.29	13.70	2.36	21.07	13.22	2.03
75.2	89.6	29.39	15.71	1.40	27.36	14.90	1.72	25.33	14.11	2.04	24.31	13.73	2.20	23.30	13.36	2.37	22.08	12.92	2.03

Heating (60 Hz, 230 V)

AFR	21.0
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.35	1.51	4.02	1.59	4.70	1.66	5.38	1.74	7.28	2.29	7.91	2.37	8.82	2.37
21.1		3.14	1.55	3.82	1.63	4.49	1.71	5.17	1.78	7.03	2.34	7.67	2.42	8.49	2.37
22.0		3.06	1.57	3.74	1.65	4.41	1.72	5.09	1.80	6.94	2.37	7.57	2.44	8.36	2.37
24.0		2.98	1.59	3.65	1.66	4.33	1.74	5.00	1.82	6.84	2.39	7.48	2.46	8.23	2.37
25.0		2.94	1.59	3.61	1.67	4.29	1.75	4.96	1.83	6.79	2.40	7.43	2.47	8.17	2.37
27.0		2.85	1.61	3.53	1.69	4.20	1.76	4.88	1.84	6.69	2.42	7.33	2.50	8.05	2.37

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	11.43	1.51	13.73	1.59	16.04	1.66	18.34	1.74	24.83	2.29	27.00	2.37	30.09	2.37	
70.0	10.73	1.55	13.03	1.63	15.33	1.71	17.64	1.78	24.00	2.34	26.17	2.42	28.96	2.37	
71.6	10.44	1.57	12.75	1.65	15.05	1.72	17.35	1.80	23.67	2.37	25.84	2.44	28.52	2.37	
75.2	10.16	1.59	12.47	1.66	14.77	1.74	17.07	1.82	23.34	2.39	25.51	2.46	28.10	2.37	
77.0	10.02	1.59	12.32	1.67	14.63	1.75	16.93	1.83	23.17	2.40	25.34	2.47	27.89	2.37	
80.6	9.74	1.61	12.04	1.69	14.35	1.76	16.65	1.84	22.84	2.42	25.01	2.50	27.47	2.37	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FFQ09W2VJU9 + RX09WMVJU9**Cooling (60 Hz, 208 V)**

AFR	10.7
BF	0.18

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.98	2.35	0.47	2.74	2.23	0.58	2.49	2.12	0.69	2.36	2.06	0.75	2.24	2.00	0.81	2.09	1.94	0.87
16.0	22.0	3.11	2.31	0.47	2.86	2.20	0.58	2.61	2.09	0.70	2.49	2.03	0.75	2.36	1.98	0.81	2.21	1.92	0.88
18.0	25.0	3.23	2.43	0.48	2.98	2.33	0.59	2.73	2.23	0.70	2.61	2.18	0.76	2.48	2.13	0.81	2.33	2.07	0.88
19.4	26.7	3.29	2.59	0.48	3.04	2.49	0.59	2.79	2.39	0.70	2.67	2.34	0.76	2.55	2.29	0.81	2.40	2.24	0.88
22.0	30.0	3.48	2.50	0.48	3.23	2.41	0.59	2.98	2.32	0.71	2.85	2.28	0.76	2.73	2.24	0.82	2.58	2.19	0.89
24.0	32.0	3.60	2.43	0.54	3.35	2.35	0.60	3.10	2.28	0.71	2.98	2.24	0.77	2.85	2.20	0.82	2.70	2.15	0.89

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.18	8.03	0.47	9.33	7.62	0.58	8.48	7.23	0.69	8.06	7.03	0.75	7.64	6.84	0.81	7.13	6.61	0.87
60.8	71.6	10.60	7.88	0.47	9.75	7.50	0.58	8.90	7.13	0.70	8.48	6.94	0.75	8.06	6.76	0.81	7.55	6.55	0.88
64.4	77.0	11.02	8.31	0.48	10.17	7.95	0.59	9.32	7.61	0.70	8.90	7.44	0.76	8.48	7.27	0.81	7.97	7.07	0.88
67.0	80.0	11.23	8.82	0.48	10.38	8.48	0.59	9.53	8.15	0.70	9.10	7.99	0.76	8.69	7.82	0.81	8.18	7.63	0.88
71.6	86.0	11.86	8.51	0.48	11.01	8.22	0.59	10.16	7.92	0.71	9.74	7.78	0.76	9.32	7.63	0.82	8.81	7.47	0.89
75.2	89.6	12.28	8.30	0.54	11.43	8.03	0.60	10.58	7.76	0.71	10.16	7.63	0.77	9.74	7.50	0.82	9.23	7.35	0.89

Heating (60 Hz, 208 V)

AFR	11.3
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.40	0.45	1.68	0.47	1.96	0.50	2.25	0.52	3.04	0.68	3.31	0.71	3.84	0.75
21.1		1.31	0.46	1.60	0.49	1.88	0.51	2.16	0.53	2.94	0.70	3.21	0.72	3.74	0.77
22.0		1.28	0.47	1.56	0.49	1.84	0.51	2.13	0.54	2.90	0.71	3.16	0.73	3.70	0.78
24.0		1.24	0.47	1.53	0.50	1.81	0.52	2.09	0.54	2.86	0.71	3.12	0.74	3.66	0.78
25.0		1.23	0.48	1.51	0.50	1.79	0.52	2.07	0.54	2.84	0.72	3.10	0.74	3.64	0.78
27.0		1.19	0.48	1.48	0.50	1.76	0.53	2.04	0.55	2.80	0.72	3.06	0.75	3.59	0.79

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		4.78	0.45	5.74	0.47	6.70	0.50	7.67	0.52	10.38	0.68	11.28	0.71	13.10	0.75
70.0		4.48	0.46	5.45	0.49	6.41	0.51	7.37	0.53	10.00	0.70	10.94	0.72	12.75	0.77
71.6		4.37	0.47	5.33	0.49	6.29	0.51	7.25	0.54	9.89	0.71	10.80	0.73	12.61	0.78
75.2		4.25	0.47	5.21	0.50	6.17	0.52	7.14	0.54	9.75	0.71	10.66	0.74	12.47	0.78
77.0		4.19	0.48	5.15	0.50	6.11	0.52	7.08	0.54	9.69	0.72	10.59	0.74	12.40	0.78
80.6		4.07	0.48	5.03	0.50	6.00	0.53	6.96	0.55	9.55	0.72	10.45	0.75	12.27	0.79

Cooling (60 Hz, 230 V)

AFR	10.7
BF	0.18

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.98	2.35	0.47	2.74	2.23	0.58	2.49	2.12	0.69	2.36	2.06	0.75	2.24	2.00	0.81	2.09	1.94	0.87
16.0	22.0	3.11	2.31	0.47	2.86	2.20	0.58	2.61	2.09	0.70	2.49	2.03	0.75	2.36	1.98	0.81	2.21	1.92	0.88
18.0	25.0	3.23	2.43	0.48	2.98	2.33	0.59	2.73	2.23	0.70	2.61	2.18	0.76	2.48	2.13	0.81	2.33	2.07	0.88
19.4	26.7	3.29	2.59	0.48	3.04	2.49	0.59	2.79	2.39	0.70	2.67	2.34	0.76	2.55	2.29	0.81	2.40	2.24	0.88
22.0	30.0	3.48	2.50	0.48	3.23	2.41	0.59	2.98	2.32	0.71	2.85	2.28	0.76	2.73	2.24	0.82	2.58	2.19	0.89
24.0	32.0	3.60	2.43	0.54	3.35	2.35	0.60	3.10	2.28	0.71	2.98	2.24	0.77	2.85	2.20	0.82	2.70	2.15	0.89

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	10.18	8.03	0.47	9.33	7.62	0.58	8.48	7.23	0.69	8.06	7.03	0.75	7.64	6.84	0.81	7.13	6.61	0.87
60.8	71.6	10.60	7.88	0.47	9.75	7.50	0.58	8.90	7.13	0.70	8.48	6.94	0.75	8.06	6.76	0.81	7.55	6.55	0.88
64.4	77.0	11.02	8.31	0.48	10.17	7.95	0.59	9.32	7.61	0.70	8.90	7.44	0.76	8.48	7.27	0.81	7.97	7.07	0.88
67.0	80.0	11.23	8.82	0.48	10.38	8.48	0.59	9.53	8.15	0.70	9.10	7.99	0.76	8.69	7.82	0.81	8.18	7.63	0.88
71.6	86.0	11.86	8.51	0.48	11.01	8.22	0.59	10.16	7.92	0.71	9.74	7.78	0.76	9.32	7.63	0.82	8.81	7.47	0.89
75.2	89.6	12.28	8.30	0.54	11.43	8.03	0.60	10.58	7.76	0.71	10.16	7.63	0.77	9.74	7.50	0.82	9.23	7.35	0.89

Heating (60 Hz, 230 V)

AFR	11.3
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Temp: Celsius / TC, PI: kW

INDOOR	OUTDOOR TEMPERATURE (°CWB)													
EDB	-15		-10		-5		0		6		10		18	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.40	0.45	1.68	0.47	1.96	0.50	2.25	0.52	3.04	0.68	3.31	0.71	3.84	0.75
21.1	1.31	0.46	1.60	0.49	1.88	0.51	2.16	0.53	2.94	0.70	3.21	0.72	3.74	0.77
22.0	1.28	0.47	1.56	0.49	1.84	0.51	2.13	0.54	2.90	0.71	3.16	0.73	3.70	0.78
24.0	1.24	0.47	1.53	0.50	1.81	0.52	2.09	0.54	2.86	0.71	3.12	0.74	3.66	0.78
25.0	1.23	0.48	1.51	0.50	1.79	0.52	2.07	0.54	2.84	0.72	3.10	0.74	3.64	0.78
27.0	1.19	0.48	1.48	0.50	1.76	0.53	2.04	0.55	2.80	0.72	3.06	0.75	3.59	0.79

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	4.78	0.45	5.74	0.47	6.70	0.50	7.67	0.52	10.38	0.68	11.28	0.71	13.10	0.75	
70.0	4.48	0.46	5.45	0.49	6.41	0.51	7.37	0.53	10.00	0.70	10.94	0.72	12.75	0.77	
71.6	4.37	0.47	5.33	0.49	6.29	0.51	7.25	0.54	9.89	0.71	10.80	0.73	12.61	0.78	
75.2	4.25	0.47	5.21	0.50	6.17	0.52	7.14	0.54	9.75	0.71	10.66	0.74	12.47	0.78	
77.0	4.19	0.48	5.15	0.50	6.11	0.52	7.08	0.54	9.69	0.72	10.59	0.74	12.40	0.78	
80.6	4.07	0.48	5.03	0.50	6.00	0.53	6.96	0.55	9.55	0.72	10.45	0.75	12.27	0.79	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FFQ12W2VJU9 + RX12WMVJU9

Cooling (60 Hz, 208 V)

AFR	11.5
BF	0.28

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.55	2.59	0.58	3.26	2.44	0.72	2.96	2.29	0.86	2.81	2.22	0.93	2.67	2.15	1.00	2.49	2.06	1.08
16.0	22.0	3.70	2.54	0.59	3.40	2.40	0.73	3.11	2.26	0.86	2.96	2.19	0.93	2.81	2.12	1.00	2.63	2.05	1.09
18.0	25.0	3.85	2.64	0.59	3.55	2.51	0.73	3.25	2.39	0.87	3.11	2.32	0.94	2.96	2.26	1.01	2.78	2.19	1.09
19.4	26.7	3.92	2.78	0.59	3.62	2.65	0.73	3.33	2.53	0.87	3.18	2.47	0.94	3.03	2.41	1.01	2.85	2.34	1.09
22.0	30.0	4.14	2.67	0.60	3.84	2.56	0.74	3.55	2.45	0.88	3.40	2.40	0.95	3.25	2.34	1.02	3.07	2.28	1.10
24.0	32.0	4.29	2.60	0.60	3.99	2.49	0.74	3.69	2.39	0.88	3.55	2.35	0.95	3.40	2.30	1.02	3.22	2.24	1.10

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	12.13	8.83	0.58	11.12	8.32	0.72	10.11	7.82	0.86	9.60	7.57	0.93	9.10	7.33	1.00	8.49	7.04	1.08
60.8	71.6	12.63	8.66	0.59	11.62	8.17	0.73	10.61	7.71	0.86	10.10	7.48	0.93	9.60	7.25	1.00	8.99	6.98	1.09
64.4	77.0	13.13	9.02	0.59	12.12	8.57	0.73	11.11	8.14	0.87	10.60	7.92	0.94	10.10	7.71	1.01	9.49	7.46	1.09
67.0	80.0	13.38	9.48	0.59	12.37	9.05	0.73	11.36	8.63	0.87	10.80	8.43	0.94	10.34	8.22	1.01	9.74	7.98	1.09
71.6	86.0	14.13	9.11	0.60	13.12	8.73	0.74	12.11	8.36	0.88	11.60	8.18	0.95	11.09	8.00	1.02	10.49	7.79	1.10
75.2	89.6	14.63	8.85	0.60	13.62	8.51	0.74	12.61	8.17	0.88	12.10	8.00	0.95	11.59	7.84	1.02	10.99	7.64	1.10

Heating (60 Hz, 208 V)

AFR	12.1
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.89	0.70	2.27	0.73	2.65	0.77	3.03	0.80	4.10	1.06	4.45	1.09	5.17	1.16
21.1		1.77	0.71	2.15	0.75	2.53	0.79	2.91	0.82	3.96	1.08	4.32	1.12	5.03	1.19
22.0		1.72	0.72	2.10	0.76	2.48	0.79	2.86	0.83	3.91	1.09	4.26	1.13	4.98	1.20
24.0		1.68	0.73	2.06	0.77	2.44	0.80	2.82	0.84	3.85	1.10	4.21	1.14	4.92	1.21
25.0		1.65	0.73	2.03	0.77	2.41	0.81	2.79	0.84	3.82	1.10	4.18	1.14	4.90	1.21
27.0		1.61	0.74	1.99	0.78	2.37	0.81	2.75	0.85	3.77	1.11	4.13	1.15	4.84	1.22

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		6.43	0.70	7.73	0.73	9.03	0.77	10.33	0.80	13.98	1.06	15.20	1.09	17.64	1.16
70.0		6.04	0.71	7.33	0.75	8.63	0.79	9.93	0.82	13.50	1.08	14.73	1.12	17.17	1.19
71.6		5.88	0.72	7.18	0.76	8.47	0.79	9.77	0.83	13.32	1.09	14.55	1.13	16.99	1.20
75.2		5.72	0.73	7.02	0.77	8.31	0.80	9.61	0.84	13.14	1.10	14.36	1.14	16.80	1.21
77.0		5.64	0.73	6.94	0.77	8.24	0.81	9.53	0.84	13.05	1.10	14.27	1.14	16.71	1.21
80.6		5.48	0.74	6.78	0.78	8.08	0.81	9.37	0.85	12.86	1.11	14.08	1.15	16.52	1.22

Cooling (60 Hz, 230 V)

AFR	11.5
BF	0.28

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.55	2.59	0.58	3.26	2.44	0.72	2.96	2.29	0.86	2.81	2.22	0.93	2.67	2.15	1.00	2.49	2.06	1.08
16.0	22.0	3.70	2.54	0.59	3.40	2.40	0.73	3.11	2.26	0.86	2.96	2.19	0.93	2.81	2.12	1.00	2.63	2.05	1.09
18.0	25.0	3.85	2.64	0.59	3.55	2.51	0.73	3.25	2.39	0.87	3.11	2.32	0.94	2.96	2.26	1.01	2.78	2.19	1.09
19.4	26.7	3.92	2.78	0.59	3.62	2.65	0.73	3.33	2.53	0.87	3.18	2.47	0.94	3.03	2.41	1.01	2.85	2.34	1.09
22.0	30.0	4.14	2.67	0.60	3.84	2.56	0.74	3.55	2.45	0.88	3.40	2.40	0.95	3.25	2.34	1.02	3.07	2.28	1.10
24.0	32.0	4.29	2.60	0.60	3.99	2.49	0.74	3.69	2.39	0.88	3.55	2.35	0.95	3.40	2.30	1.02	3.22	2.24	1.10

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	12.13	8.83	0.58	11.12	8.32	0.72	10.11	7.82	0.86	9.60	7.57	0.93	9.10	7.33	1.00	8.49	7.04	1.08
60.8	71.6	11.62	8.66	0.59	11.62	8.17	0.73	10.61	7.71	0.86	10.10	7.48	0.93	9.60	7.25	1.00	8.99	6.98	1.09
64.4	77.0	12.12	9.02	0.59	12.12	8.57	0.73	11.11	8.14	0.87	10.60	7.92	0.94	10.10	7.71	1.01	9.49	7.46	1.09
67.0	80.0	12.37	9.48	0.59	12.37	9.05	0.73	11.36	8.63	0.87	10.80	8.43	0.94	10.34	8.22	1.01	9.74	7.98	1.09
71.6	86.0	13.12	9.11	0.60	13.12	8.73	0.74	12.11	8.36	0.88	11.60	8.18	0.95	11.09	8.00	1.02	10.49	7.79	1.10
75.2	89.6	13.62	8.85	0.60	13.62	8.51	0.74	12.61	8.17	0.88	12.10	8.00	0.95	11.59	7.84	1.02	10.99	7.64	1.10

Heating (60 Hz, 230 V)

AFR	12.1
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		1.89	0.70	2.27	0.73	2.65	0.77	3.03	0.80	4.10	1.06	4.45	1.09	5.17	1.16
21.1		1.77	0.71	2.15	0.75	2.53	0.79	2.91	0.82	3.96	1.08	4.32	1.12	5.03	1.19
22.0		1.72	0.72	2.10	0.76	2.48	0.79	2.86	0.83	3.91	1.09	4.26	1.13	4.98	1.20
24.0		1.68	0.73	2.06	0.77	2.44	0.80	2.82	0.84	3.85	1.10	4.21	1.14	4.92	1.21
25.0		1.65	0.73	2.03	0.77	2.41	0.81	2.79	0.84	3.82	1.10	4.18	1.14	4.90	1.21
27.0		1.61	0.74	1.99	0.78	2.37	0.81	2.75	0.85	3.77	1.11	4.13	1.15	4.84	1.22

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	6.43	0.70	7.73	0.73	9.03	0.77	10.33	0.80	13.98	1.06	15.20	1.09	17.64	1.16	
70.0	6.04	0.71	7.33	0.75	8.63	0.79	9.93	0.82	13.50	1.08	14.73	1.12	17.17	1.19	
71.6	5.88	0.72	7.18	0.76	8.47	0.79	9.77	0.83	13.32	1.09	14.55	1.13	16.99	1.20	
75.2	5.72	0.73	7.02	0.77	8.31	0.80	9.61	0.84	13.14	1.10	14.36	1.14	16.80	1.21	
77.0	5.64	0.73	6.94	0.77	8.24	0.81	9.53	0.84	13.05	1.10	14.27	1.14	16.71	1.21	
80.6	5.48	0.74	6.78	0.78	8.08	0.81	9.37	0.85	12.86	1.11	14.08	1.15	16.52	1.22	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FFQ15W2VJU9 + RX15WMVJU9

Cooling (60 Hz, 208 V)

AFR	11.9
BF	0.32

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.94	2.77	0.73	3.94	2.77	0.94	3.91	2.76	1.15	3.72	2.66	1.24	3.52	2.55	1.33	3.29	2.43	1.44
16.0	22.0	4.84	3.10	0.78	4.50	2.92	0.97	4.11	2.72	1.15	3.91	2.62	1.24	3.71	2.53	1.34	3.48	2.41	1.45
18.0	25.0	5.08	3.21	0.79	4.69	3.02	0.97	4.30	2.83	1.16	4.10	2.74	1.25	3.91	2.65	1.34	3.67	2.55	1.45
19.4	26.7	5.18	3.33	0.79	4.79	3.15	0.97	4.40	2.97	1.16	4.20	2.88	1.25	4.00	2.79	1.34	3.77	2.69	1.46
22.0	30.0	5.47	3.19	0.80	5.08	3.02	0.98	4.69	2.86	1.17	4.49	2.78	1.26	4.29	2.71	1.35	4.06	2.62	1.46
24.0	32.0	5.66	3.08	0.80	5.27	2.93	0.99	4.88	2.78	1.17	4.68	2.71	1.27	4.49	2.64	1.36	4.25	2.56	1.47

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	13.44	9.47	0.73	13.44	9.47	0.94	13.35	9.42	1.15	12.68	9.06	1.24	12.01	8.72	1.33	11.21	8.31	1.44
60.8	71.6	16.51	10.58	0.78	15.34	9.96	0.97	14.01	9.28	1.15	13.34	8.95	1.24	12.67	8.62	1.34	11.87	8.23	1.45
64.4	77.0	17.34	10.96	0.79	16.00	10.30	0.97	14.67	9.66	1.16	14.00	9.35	1.25	13.33	9.05	1.34	12.53	8.69	1.45
67.0	80.0	17.67	11.37	0.79	16.33	10.74	0.97	15.00	10.12	1.16	14.40	9.82	1.25	13.66	9.53	1.34	12.86	9.18	1.46
71.6	86.0	18.66	10.87	0.80	17.32	10.31	0.98	15.99	9.76	1.17	15.32	9.50	1.26	14.65	9.23	1.35	13.85	8.93	1.46
75.2	89.6	19.32	10.51	0.80	17.98	10.00	0.99	16.65	9.50	1.17	15.98	9.25	1.27	15.31	9.01	1.36	14.51	8.73	1.47

Heating (60 Hz, 208 V)

AFR	12.5
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.26	0.87	2.71	0.91	3.17	0.95	3.62	1.00	4.90	1.32	5.33	1.36	6.19	1.45
21.1		2.12	0.89	2.57	0.93	3.03	0.98	3.48	1.02	4.74	1.35	5.17	1.39	6.02	1.48
22.0		2.06	0.90	2.52	0.94	2.97	0.99	3.43	1.03	4.67	1.36	5.10	1.40	5.96	1.49
24.0		2.01	0.91	2.46	0.95	2.92	1.00	3.37	1.04	4.61	1.37	5.04	1.41	5.88	1.50
25.0		1.98	0.91	2.43	0.96	2.89	1.00	3.34	1.05	4.58	1.38	5.00	1.42	5.84	1.50
27.0		1.92	0.92	2.38	0.97	2.83	1.01	3.29	1.06	4.51	1.39	4.94	1.43	5.75	1.50

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		7.70	0.87	9.25	0.91	10.81	0.95	12.36	1.00	16.73	1.32	18.19	1.36	21.11	1.45
70.0		7.23	0.89	8.78	0.93	10.33	0.98	11.88	1.02	16.20	1.35	17.63	1.39	20.56	1.48
71.6		7.04	0.90	8.59	0.94	10.14	0.99	11.69	1.03	15.95	1.36	17.41	1.40	20.33	1.49
75.2		6.85	0.91	8.40	0.95	9.95	1.00	11.50	1.04	15.73	1.37	17.19	1.41	20.08	1.50
77.0		6.75	0.91	8.31	0.96	9.86	1.00	11.41	1.05	15.61	1.38	17.08	1.42	19.92	1.50
80.6		6.56	0.92	8.12	0.97	9.67	1.01	11.22	1.06	15.39	1.39	16.85	1.43	19.61	1.50

Cooling (60 Hz, 230 V)

AFR	11.9
BF	0.32

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	3.94	2.77	0.73	3.94	2.77	0.94	3.91	2.76	1.15	3.72	2.66	1.24	3.52	2.55	1.33	3.25	2.41	1.42
16.0	22.0	4.84	3.10	0.78	4.50	2.92	0.97	4.11	2.72	1.15	3.91	2.62	1.24	3.71	2.53	1.34	3.43	2.39	1.42
18.0	25.0	5.08	3.21	0.79	4.69	3.02	0.97	4.30	2.83	1.16	4.10	2.74	1.25	3.91	2.65	1.34	3.61	2.52	1.42
19.4	26.7	5.18	3.33	0.79	4.79	3.15	0.97	4.40	2.97	1.16	4.20	2.88	1.25	4.00	2.79	1.34	3.71	2.66	1.42
22.0	30.0	5.47	3.19	0.80	5.08	3.02	0.98	4.69	2.86	1.17	4.49	2.78	1.26	4.29	2.71	1.35	3.98	2.59	1.42
24.0	32.0	5.66	3.08	0.80	5.27	2.93	0.99	4.88	2.78	1.17	4.68	2.71	1.27	4.49	2.64	1.36	4.17	2.53	1.42

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	13.44	9.47	0.73	13.44	9.47	0.94	13.35	9.42	1.15	12.68	9.06	1.24	12.01	8.72	1.33	11.08	8.24	1.42
60.8	71.6	15.34	10.58	0.78	15.34	9.96	0.97	14.01	9.28	1.15	13.34	8.95	1.24	12.67	8.62	1.34	11.71	8.16	1.42
64.4	77.0	16.00	10.96	0.79	16.00	10.30	0.97	14.67	9.66	1.16	14.00	9.35	1.25	13.33	9.05	1.34	12.33	8.60	1.42
67.0	80.0	16.33	11.37	0.79	16.33	10.74	0.97	15.00	10.12	1.16	14.40	9.82	1.25	13.66	9.53	1.34	12.65	9.09	1.42
71.6	86.0	17.32	10.87	0.80	17.32	10.31	0.98	15.99	9.76	1.17	15.32	9.50	1.26	14.65	9.23	1.35	13.59	8.82	1.42
75.2	89.6	17.98	10.51	0.80	17.98	10.00	0.99	16.65	9.50	1.17	15.98	9.25	1.27	15.31	9.01	1.36	14.21	8.62	1.42

Heating (60 Hz, 230 V)

AFR	12.5
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB	-15		-10		-5		0		6		10		18		
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
15.0	2.26	0.87	2.71	0.91	3.17	0.95	3.62	1.00	4.90	1.32	5.33	1.36	6.19	1.45	
21.1	2.12	0.89	2.57	0.93	3.03	0.98	3.48	1.02	4.74	1.35	5.17	1.39	6.02	1.48	
22.0	2.06	0.90	2.52	0.94	2.97	0.99	3.43	1.03	4.67	1.36	5.10	1.40	5.96	1.49	
24.0	2.01	0.91	2.46	0.95	2.92	1.00	3.37	1.04	4.61	1.37	5.04	1.41	5.89	1.50	
25.0	1.98	0.91	2.43	0.96	2.89	1.00	3.34	1.05	4.58	1.38	5.00	1.42	5.86	1.51	
27.0	1.92	0.92	2.38	0.97	2.83	1.01	3.29	1.06	4.51	1.39	4.94	1.43	5.80	1.52	

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB	5		14		23		32		43		50		64		
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
59.0	7.70	0.87	9.25	0.91	10.81	0.95	12.36	1.00	16.73	1.32	18.19	1.36	21.11	1.45	
70.0	7.23	0.89	8.78	0.93	10.33	0.98	11.88	1.02	16.20	1.35	17.63	1.39	20.56	1.48	
71.6	7.04	0.90	8.59	0.94	10.14	0.99	11.69	1.03	15.95	1.36	17.41	1.40	20.33	1.49	
75.2	6.85	0.91	8.40	0.95	9.95	1.00	11.50	1.04	15.73	1.37	17.19	1.41	20.11	1.50	
77.0	6.75	0.91	8.31	0.96	9.86	1.00	11.41	1.05	15.61	1.38	17.08	1.42	20.00	1.51	
80.6	6.56	0.92	8.12	0.97	9.67	1.01	11.22	1.06	15.39	1.39	16.85	1.43	19.77	1.52	

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FFQ18W2VJU9 + RX18WMVJU9**Cooling (60 Hz, 208 V)**

AFR	12.7
BF	0.08

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.69	4.01	0.93	5.29	3.79	1.16	4.81	3.55	1.38	4.57	3.43	1.50	4.33	3.31	1.61	2.75	2.57	1.37
16.0	22.0	6.00	3.97	0.94	5.52	3.73	1.17	5.04	3.49	1.39	4.80	3.38	1.50	4.56	3.27	1.61	2.97	2.56	1.37
18.0	25.0	6.24	4.11	0.95	5.76	3.88	1.17	5.28	3.67	1.40	5.04	3.56	1.51	4.80	3.45	1.62	3.18	2.79	1.37
19.4	26.7	6.36	4.29	0.95	5.88	4.07	1.18	5.40	3.87	1.40	5.16	3.76	1.51	4.92	3.66	1.62	3.29	3.02	1.37
22.0	30.0	6.72	4.11	0.96	6.24	3.92	1.19	5.76	3.74	1.41	5.52	3.65	1.52	5.28	3.56	1.63	3.61	2.97	1.37
24.0	32.0	6.96	3.99	0.97	6.48	3.81	1.19	5.99	3.64	1.42	5.75	3.56	1.53	5.51	3.48	1.64	3.83	2.94	1.37

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	19.41	13.67	0.93	18.04	12.94	1.16	16.40	12.10	1.38	15.58	11.69	1.50	14.76	11.28	1.61	9.40	8.76	1.37
60.8	71.6	20.49	13.53	0.94	18.85	12.71	1.17	17.21	11.92	1.39	16.39	11.53	1.50	15.57	11.15	1.61	10.13	8.75	1.37
64.4	77.0	21.30	14.01	0.95	19.66	13.25	1.17	18.02	12.51	1.40	17.20	12.14	1.51	16.38	11.79	1.62	10.86	9.51	1.37
67.0	80.0	21.70	14.64	0.95	20.07	13.90	1.18	18.43	13.19	1.40	17.40	12.84	1.51	16.79	12.50	1.62	11.23	10.29	1.37
71.6	86.0	22.92	14.03	0.96	21.28	13.38	1.19	19.64	12.75	1.41	18.82	12.44	1.52	18.00	12.14	1.63	12.33	10.14	1.37
75.2	89.6	23.73	13.60	0.97	22.09	13.01	1.19	20.45	12.43	1.42	19.63	12.15	1.53	18.81	11.87	1.64	13.06	10.02	1.37

Heating (60 Hz, 208 V)

AFR	14.1
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-15		-10		-5		0		6		10		18	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.00	1.35	3.60	1.42	4.21	1.49	4.81	1.56	6.52	2.05	7.08	2.12	7.50	1.96
21.1		2.82	1.39	3.42	1.46	4.02	1.53	4.63	1.60	6.30	2.10	6.78	2.12	7.23	1.96
22.0		2.74	1.40	3.35	1.47	3.95	1.54	4.56	1.61	6.21	2.12	6.66	2.12	7.12	1.96
24.0		2.67	1.42	3.27	1.49	3.88	1.56	4.48	1.63	6.10	2.12	6.55	2.12	7.02	1.96
25.0		2.63	1.43	3.24	1.50	3.84	1.57	4.44	1.63	6.04	2.12	6.49	2.12	6.97	1.96
27.0		2.56	1.44	3.16	1.51	3.77	1.58	4.37	1.65	5.93	2.12	6.38	2.12	6.87	1.96

Temp: Fahrenheit / TC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		5		14		23		32		43		50		64	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		10.24	1.35	12.30	1.42	14.36	1.49	16.43	1.56	22.24	2.05	24.16	2.12	25.59	1.96
70.0		9.61	1.39	11.67	1.46	13.73	1.53	15.80	1.60	21.60	2.10	23.13	2.12	24.66	1.96
71.6		9.35	1.40	11.42	1.47	13.48	1.54	15.54	1.61	21.20	2.12	22.73	2.12	24.30	1.96
75.2		9.10	1.42	11.16	1.49	13.23	1.56	15.29	1.63	20.81	2.12	22.34	2.12	23.95	1.96
77.0		8.98	1.43	11.04	1.50	13.10	1.57	15.16	1.63	20.61	2.12	22.14	2.12	23.77	1.96
80.6		8.72	1.44	10.79	1.51	12.85	1.58	14.91	1.65	20.23	2.12	21.76	2.12	23.43	1.96

Cooling (60 Hz, 230 V)

AFR	12.7
BF	0.08

Temp: Celsius / TC, SHC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CDB)																	
EWB	EDB	10			20			30			35			40			46		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.69	4.01	0.93	5.29	3.79	1.16	4.81	3.55	1.38	4.57	3.43	1.50	4.33	3.31	1.61	3.25	2.79	1.51
16.0	22.0	6.00	3.97	0.94	5.52	3.73	1.17	5.04	3.49	1.39	4.80	3.38	1.50	4.56	3.27	1.61	3.47	2.78	1.51
18.0	25.0	6.24	4.11	0.95	5.76	3.88	1.17	5.28	3.67	1.40	5.04	3.56	1.51	4.80	3.45	1.62	3.68	2.99	1.51
19.4	26.7	6.36	4.29	0.95	5.88	4.07	1.18	5.40	3.87	1.40	5.16	3.76	1.51	4.92	3.66	1.62	3.79	3.21	1.51
22.0	30.0	6.72	4.11	0.96	6.24	3.92	1.19	5.76	3.74	1.41	5.52	3.65	1.52	5.28	3.56	1.63	4.11	3.14	1.51
24.0	32.0	6.96	3.99	0.97	6.48	3.81	1.19	5.99	3.64	1.42	5.75	3.56	1.53	5.51	3.48	1.64	4.33	3.09	1.51

Temp: Fahrenheit / TC, SHC: kBtu/h / PI: kW

INDOOR		OUTDOOR TEMPERATURE (°FDB)																	
EWB	EDB	50			68			86			95			104			115		
°F	°F	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
57.2	68.0	19.41	13.67	0.93	18.04	12.94	1.16	16.40	12.10	1.38	15.58	11.69	1.50	14.76	11.28	1.61	11.09	9.53	1.51
60.8	71.6	18.85	13.53	0.94	18.85	12.71	1.17	17.21	11.92	1.39	16.39	11.53	1.50	15.57	11.15	1.61	11.83	9.47	1.51
64.4	77.0	19.66	14.01	0.95	19.66	13.25	1.17	18.02	12.51	1.40	17.20	12.14	1.51	16.38	11.79	1.62	12.56	10.19	1.51
67.0	80.0	20.07	14.64	0.95	20.07	13.90	1.18	18.43	13.19	1.40	17.40	12.84	1.51	16.79	12.50	1.62	12.93	10.94	1.51
71.6	86.0	21.28	14.03	0.96	21.28	13.38	1.19	19.64	12.75	1.41	18.82	12.44	1.52	18.00	12.14	1.63	14.02	10.72	1.51
75.2	89.6	22.09	13.60	0.97	22.09	13.01	1.19	20.45	12.43	1.42	19.63	12.15	1.53	18.81	11.87	1.64	14.76	10.55	1.51

Heating (60 Hz, 230 V)

AFR	14.1
-----	------

Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB	-15		-10		-5		0		6		10		18		
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
15.0	3.00	1.35	3.60	1.42	4.21	1.49	4.81	1.56	6.52	2.05	7.09	2.12	8.01	2.17	
21.1	2.82	1.39	3.42	1.46	4.02	1.53	4.63	1.60	6.30	2.10	6.87	2.17	7.71	2.17	
22.0	2.74	1.40	3.35	1.47	3.95	1.54	4.56	1.61	6.21	2.12	6.78	2.19	7.59	2.17	
24.0	2.67	1.42	3.27	1.49	3.88	1.56	4.48	1.63	6.13	2.14	6.70	2.21	7.48	2.17	
25.0	2.63	1.43	3.24	1.50	3.84	1.57	4.44	1.63	6.08	2.15	6.65	2.22	7.42	2.17	
27.0	2.56	1.44	3.16	1.51	3.77	1.58	4.37	1.65	6.00	2.17	6.56	2.24	7.31	2.17	

Temp: Fahrenheit / TC: kBtu/h / PI: kW

Temp. 4 and 6 in °F / °C; Rtdm / °F; kW														
INDOOR		OUTDOOR TEMPERATURE (°FWB)												
EDB	5		14		23		32		43		50		64	
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0	10.24	1.35	12.30	1.42	14.36	1.49	16.43	1.56	22.24	2.05	24.18	2.12	27.34	2.17
70.0	9.61	1.39	11.67	1.46	13.73	1.53	15.80	1.60	21.60	2.10	23.44	2.17	26.31	2.17
71.6	9.35	1.40	11.42	1.47	13.48	1.54	15.54	1.61	21.20	2.12	23.14	2.19	25.91	2.17
75.2	9.10	1.42	11.16	1.49	13.23	1.56	15.29	1.63	20.90	2.14	22.84	2.21	25.52	2.17
77.0	8.98	1.43	11.04	1.50	13.10	1.57	15.16	1.63	20.75	2.15	22.70	2.22	25.33	2.17
80.6	8.72	1.44	10.79	1.51	12.85	1.58	14.91	1.65	20.46	2.17	22.40	2.24	24.95	2.17

Symbols:

AFR	: Airflow rate	(m ³ /min.)
BF	: Bypass factor	
EWB	: Entering wet bulb temp.	(°C) / (°F)
EDB	: Entering dry bulb temp.	(°C) / (°F)
TC	: Total capacity	(kW) / (kBtu/h)
SHC	: Sensible heat capacity	(kW) / (kBtu/h)
PI	: Power input	(kW)

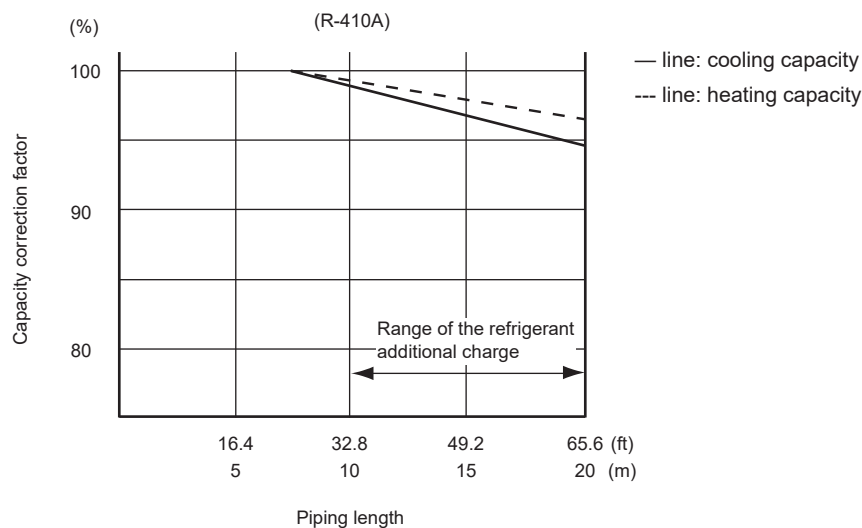
Notes:

- shows nominal (rated) capacities and power input.
- TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
- Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
- Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

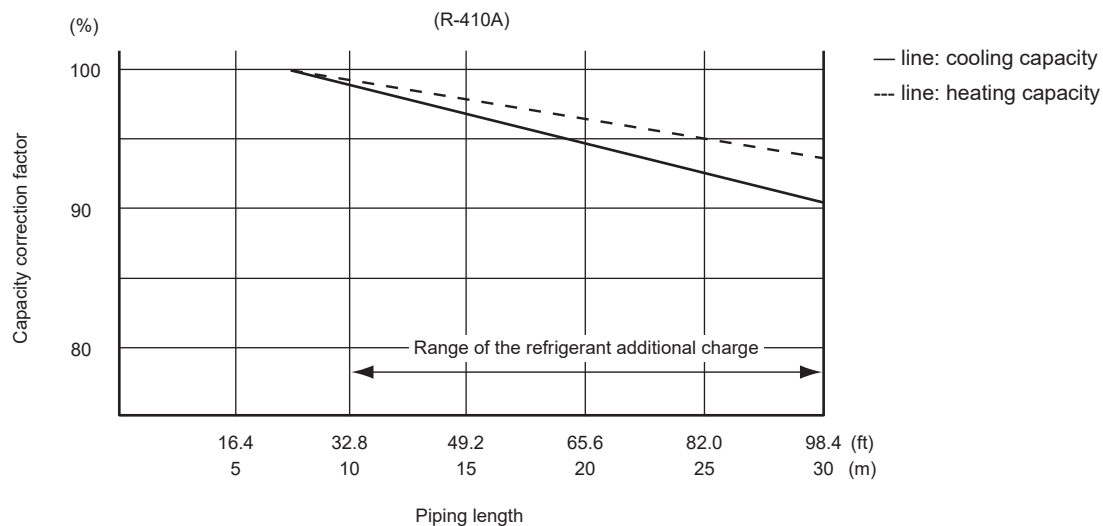
7.1 Capacity Correction Factor by the Length of Refrigerant Piping (Reference)

The cooling capacity and the heating capacity of the unit have to be corrected in accordance with the length of refrigerant piping — the distance between the indoor unit and the outdoor unit.

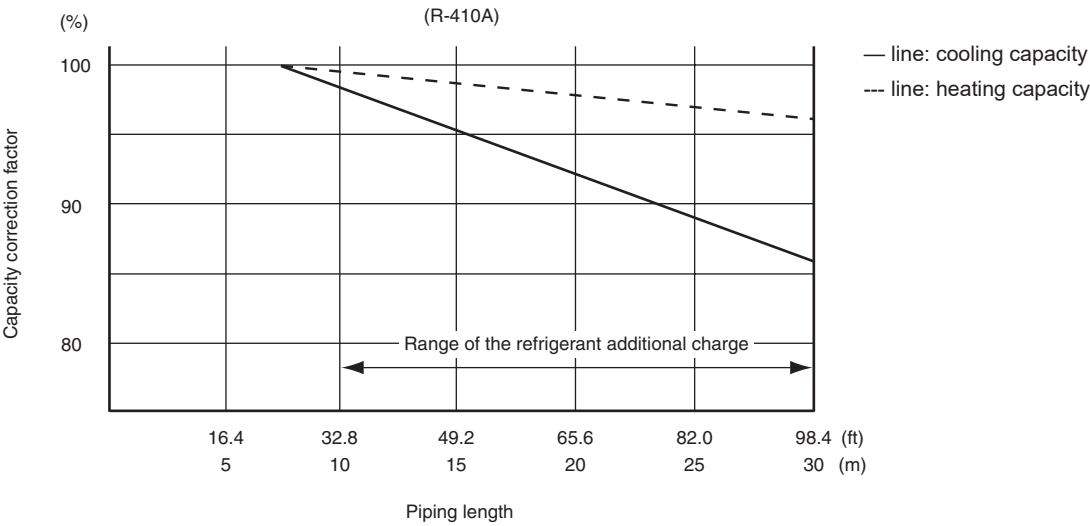
7.1.1 09/12 Class



7.1.2 15/18 Class



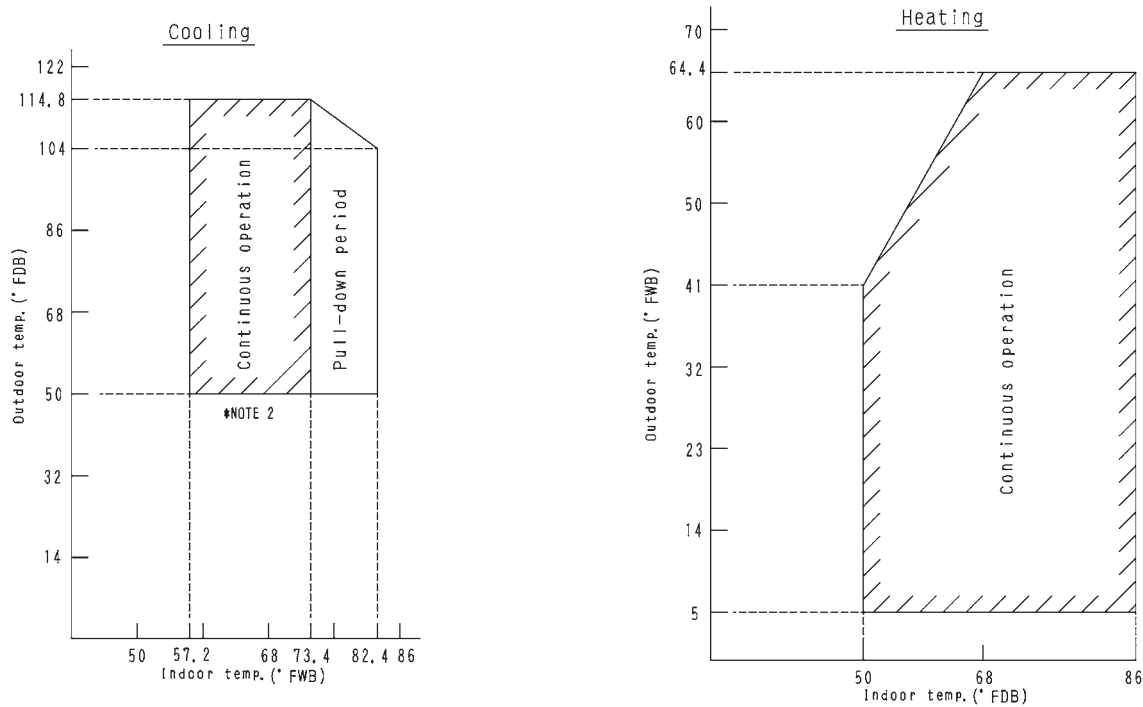
7.1.3 24 Class



Note: The graphs show the factor when additional refrigerant of the proper quantity is charged.

8. Operation Limit

RX09/12/15/18/24WMVJU9



- Notes)
1. The graphs are based on the following conditions.
• Equivalent piping length 25ft
• Level difference Off

2. Facility Setting (cooling at low outdoor temperature : only for RX model)
This function is limited only for facilities (the target of air conditioning is equipment such as computer).
Never use it in a residence or office (The space where there is a human).
Indoor fan tap should be fixed to high.
• Cutting jumper 6 (J6) on the circuit board : extend the operation range to 14° F(-10℃).
• Installing an air direction adjustment grille (wind baffle)(sold separately) : extend the operation range to -4° F(-20℃).

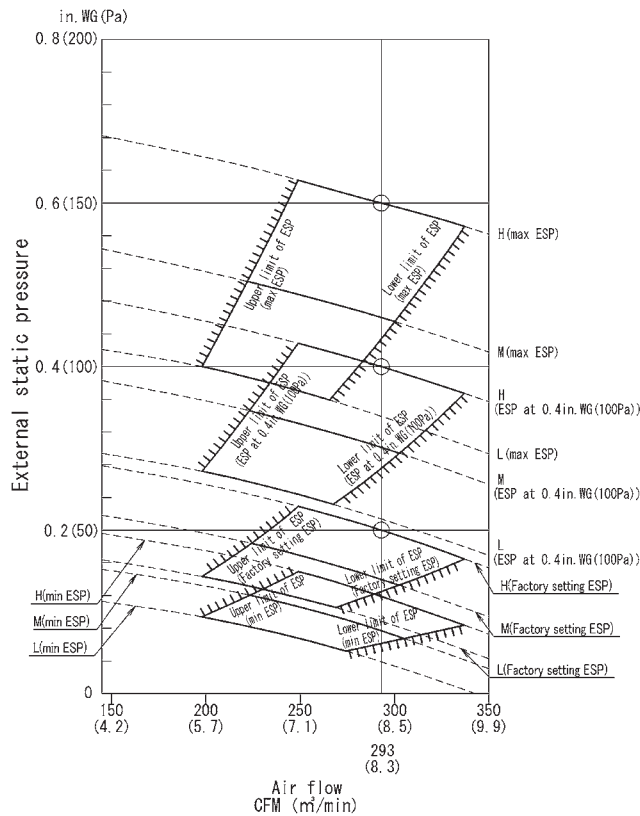
3D092209F

9. Fan Characteristics

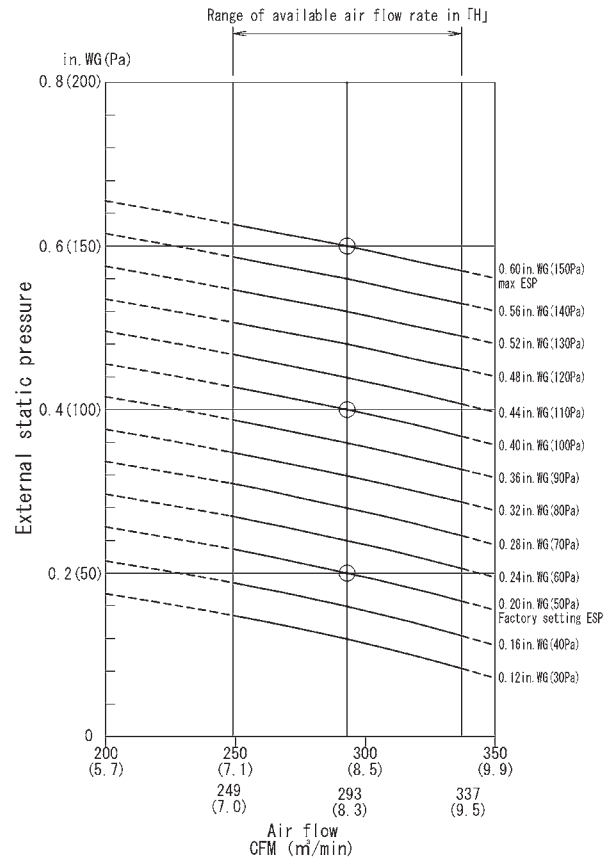
9.1 External Static Pressure

FDMQ09WVJU9

Fan characteristics ①



Fan characteristics ②
(For field setting of remote controller)



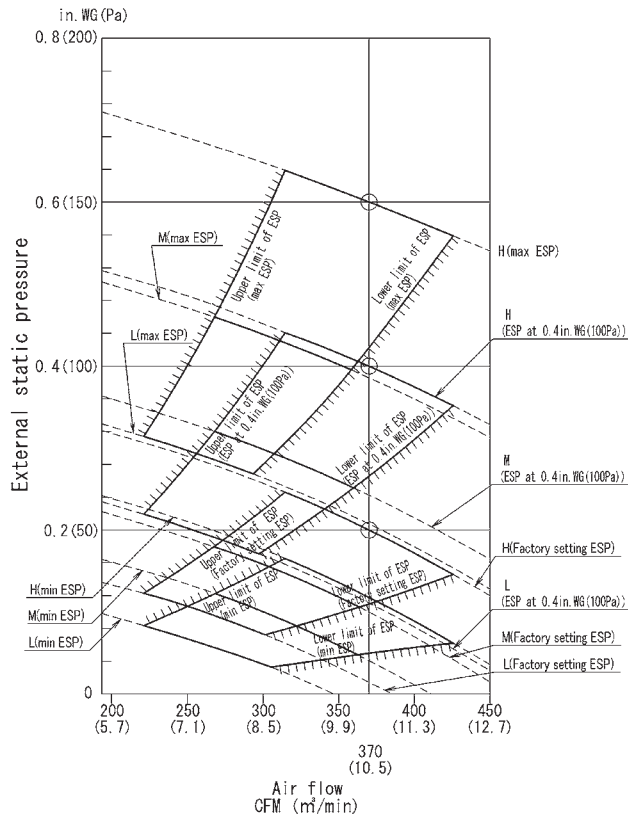
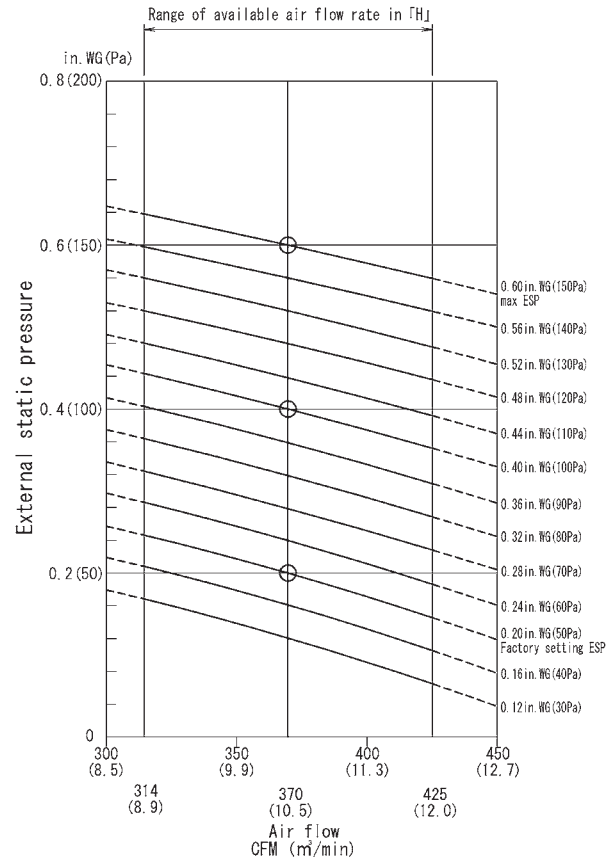
Notes:

1. Fan characteristics at the time of rear suction and bottom suction are similar to each other.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4 in. WG (100Pa)", "Factory setting ESP" and "Minimum ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set the ESP on suction side to 0.4 in. WG (100Pa) or less.
5. Fan characteristics ② (for field setting of remote controller) shows fan characteristics of airflow "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by using Fan characteristics ① and ② (Factory setting ESP is 0.2 in. WG (50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 13 levels.
8. The value of Fan characteristics ② mentioned in this drawing shows the ESP of rated airflow.

ESP : external static pressure

FDMQ12WVJU9

Fan characteristics ①

Fan characteristics ②
(For field setting of remote controller)

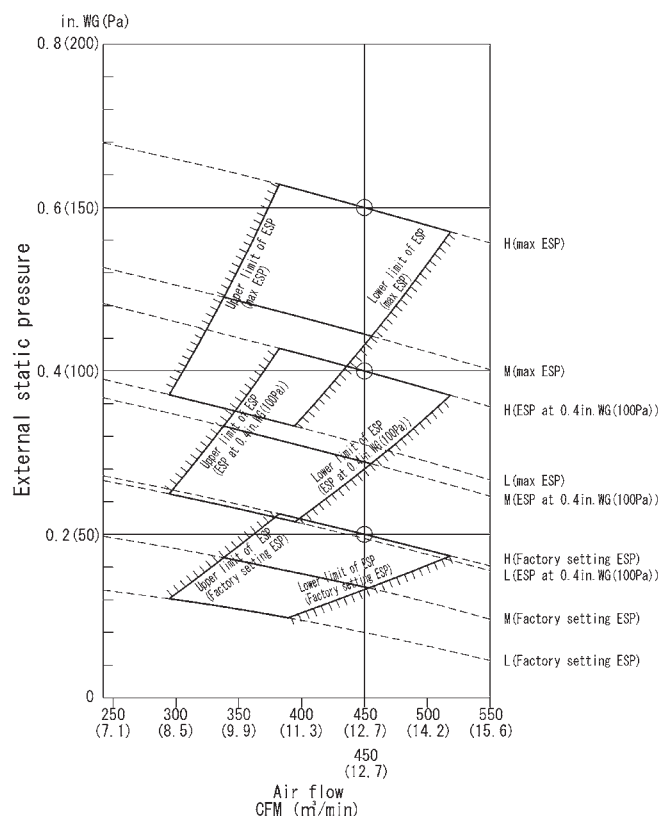
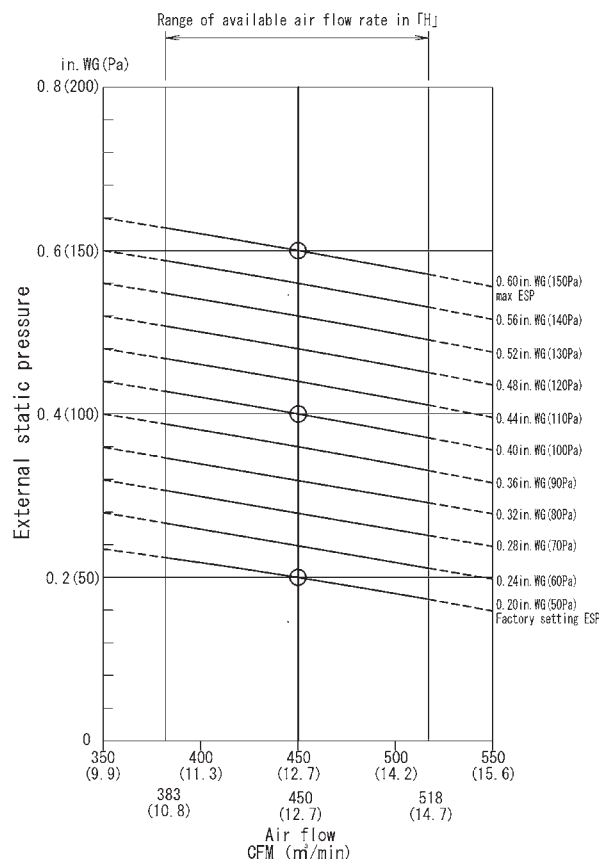
Notes:

1. Fan characteristics at the time of rear suction and bottom suction are similar to each other.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in.WG(100Pa)", "Factory setting ESP" and "Minimum ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set the ESP on suction side to 0.4in.WG(100Pa) or less.
5. Fan characteristics ② (for field setting of remote controller) shows fan characteristics of airflow "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by using Fan characteristics ① and ② (Factory setting ESP is 0.2in.WG(50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 13 levels.
8. The value of Fan characteristics ② mentioned in this drawing shows the ESP of rated airflow.

ESP : external static pressure

FDMQ15WVJU9

Fan characteristics ①

Fan characteristics ②
(For field setting of remote controller)

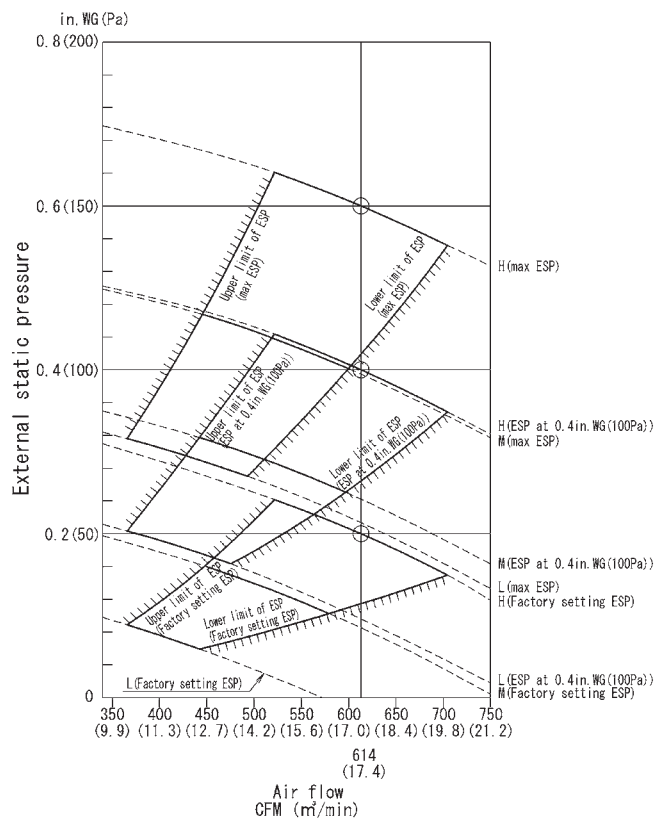
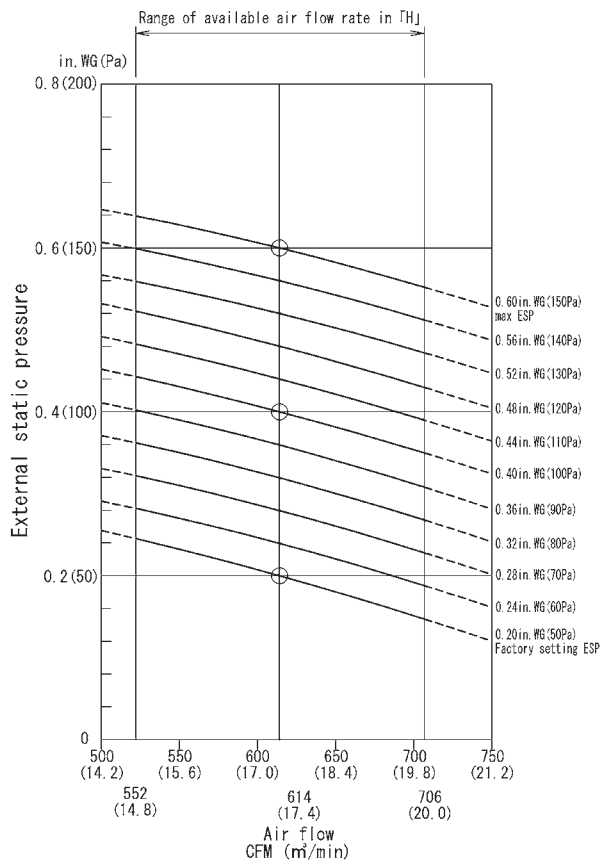
Notes:

1. Fan characteristics at the time of rear suction and bottom suction are similar to each other.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4 in. WG (100Pa)" and "Factory setting ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set the ESP on suction side to 0.4 in. WG (100Pa) or less.
5. Fan characteristics ② (for field setting of remote controller) shows fan characteristics of airflow "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by using Fan characteristics ① and ② (Factory setting ESP is 0.2 in. WG (50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 10 levels.
8. The value of Fan characteristics ② mentioned in this drawing shows the ESP of rated airflow.

ESP : external static pressure

FDMQ18WVJU9

Fan characteristics ①

Fan characteristics ②
(For field setting of remote controller)

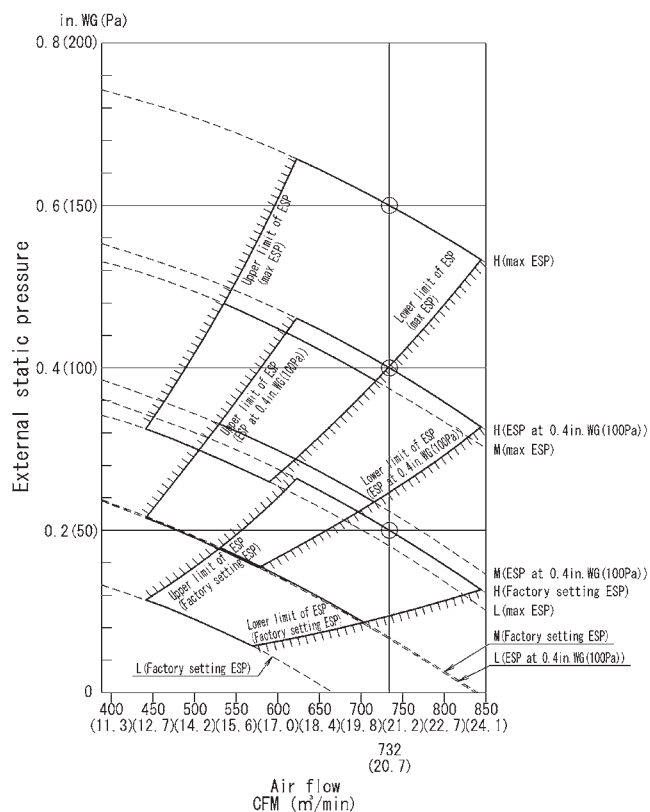
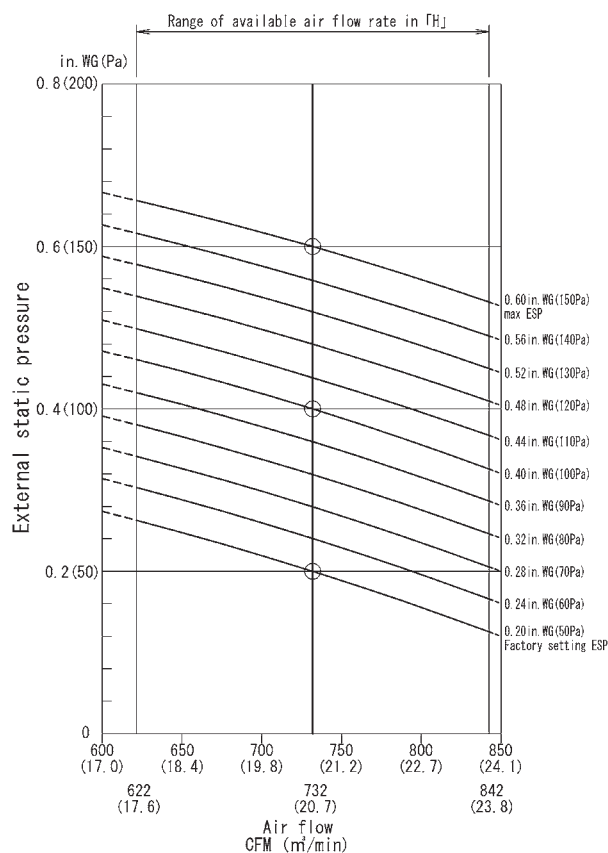
Notes:

1. Fan characteristics at the time of rear suction and bottom suction are similar to each other.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in. WG (100Pa)" and "Factory setting ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set the ESP on suction side to 0.4in. WG (100Pa) or less.
5. Fan characteristics ② (for field setting of remote controller) shows fan characteristics of airflow "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by using Fan characteristics ① and ② (Factory setting ESP is 0.2in. WG (50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 10 levels.
8. The value of Fan characteristics ② mentioned in this drawing shows the ESP of rated airflow.

ESP : external static pressure

FDMQ24WVJU9

Fan characteristics ①

Fan characteristics ②
(For field setting of remote controller)

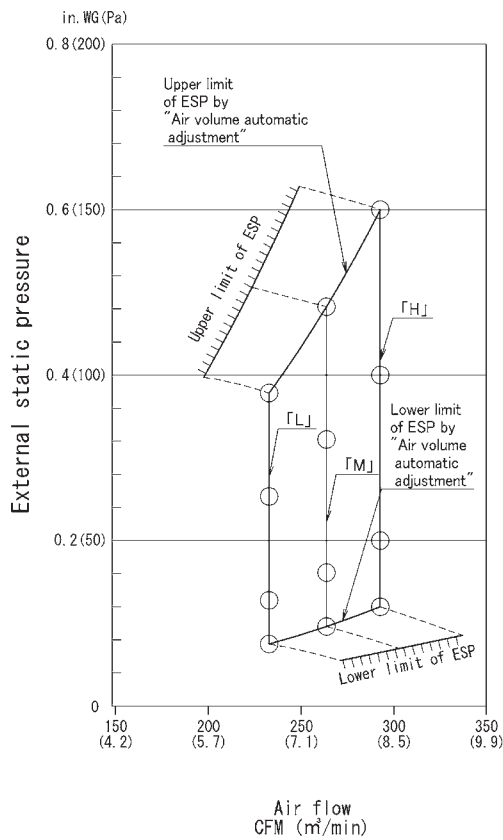
Notes:

1. Fan characteristics at the time of rear suction and bottom suction are similar to each other.
2. Fan characteristics ① shows a representative of fan characteristics at the time of "Maximum ESP", "ESP at 0.4in. WG (100Pa)" and "Factory setting ESP".
3. A remote controller can be used to change airflow rate of "H", "M" and "L".
4. Set the ESP on suction side to 0.4in. WG (100Pa) or less.
5. Fan characteristics ② (for field setting of remote controller) shows fan characteristics of airflow "H" which can be changed in the field setting by a remote controller.
6. Select ESP setting in accordance with resistance of the connected duct by using Fan characteristics ① and ② (Factory setting ESP is 0.2in. WG (50Pa). See installation manual for ESP setting procedure.)
7. The ESP setting of this unit can be changed into 10 levels.
8. The value of Fan characteristics ② mentioned in this drawing shows the ESP of rated airflow.

ESP : external static pressure

9.2 Airflow Auto Adjustment

FDMQ09WVJU9



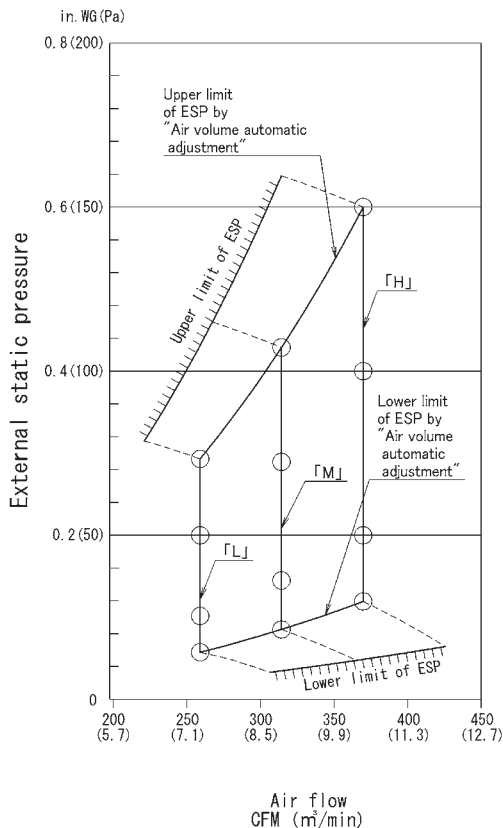
Notes :

1. This indoor unit has the "Air volume automatic adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of $\pm 10\%$ of the rated value, at the time of installation.
2. After duct construction completion, please perform field setting "Air volume automatic adjustment" by remote controller.
3. About the field setting method of the "Air volume automatic adjustment", look at the installation manual which is attached to an indoor unit.
4. ESP that can adjust by "Air volume automatic adjustment" function is 0.12in.WG (30Pa) - 0.6in.WG(150Pa) (When air flow is "H").
5. If the unit is used beyond the range of the above-mentioned ESP, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "H" "M" and "L".
7. The remote controller can be used to change "H" "M" and "L".

ESP : external static pressure.

3D141701

FDMQ12WVJU9



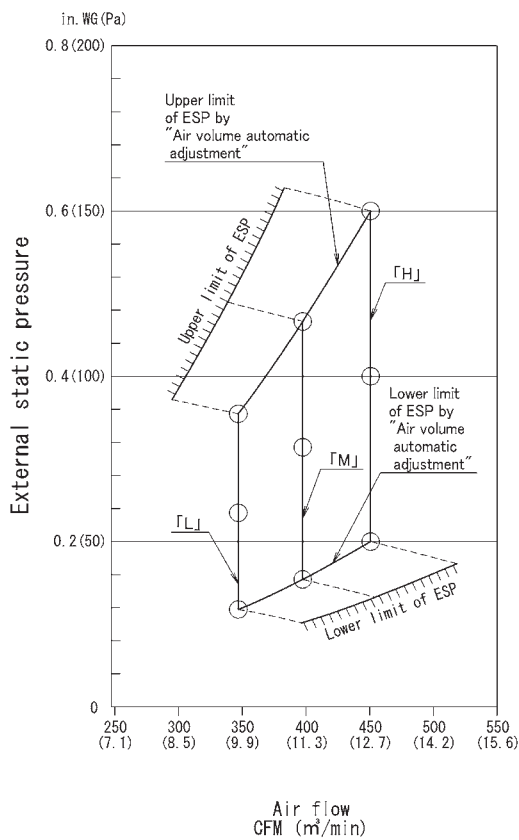
Notes :

1. This indoor unit has the "Air volume automatic adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of $\pm 10\%$ of the rated value, at the time of installation.
2. After duct construction completion, please perform field setting "Air volume automatic adjustment" by remote controller.
3. About the field setting method of the "Air volume automatic adjustment", look at the installation manual which is attached to an indoor unit.
4. ESP that can adjust by "Air volume automatic adjustment" function is 0.12in.WG (30Pa) - 0.6in.WG(150Pa) (When air flow is "H").
5. If the unit is used beyond the range of the above-mentioned ESP, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "H" "M" and "L".
7. The remote controller can be used to change "H" "M" and "L".

ESP : external static pressure.

3D141702

FDMQ15WVJU9



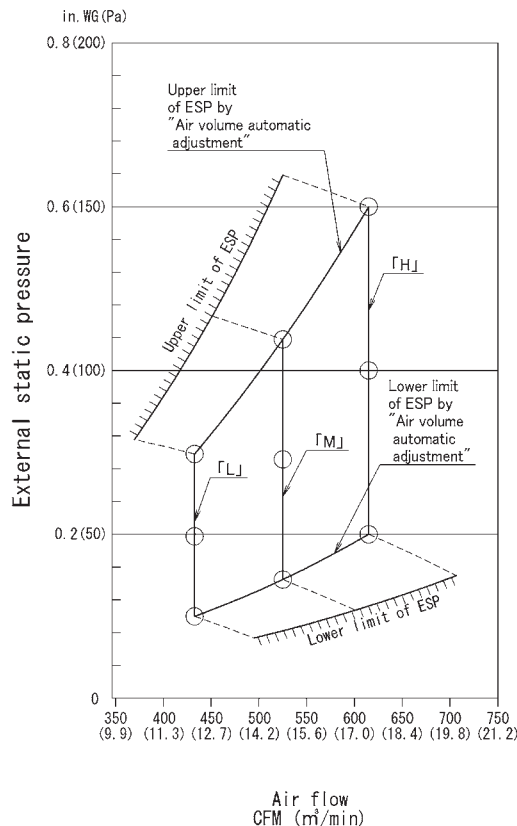
Notes :

1. This indoor unit has the "Air volume automatic adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of $\pm 10\%$ of the rated value, at the time of installation.
2. After duct construction completion, please perform field setting "Air volume automatic adjustment" by remote controller.
3. About the field setting method of the "Air volume automatic adjustment", look at the installation manual which is attached to an indoor unit.
4. ESP that can adjust by "Air volume automatic adjustment" function is 0.2in.WG (50Pa) - 0.6in.WG (150Pa) (When air flow is "H").
5. If the unit is used beyond the range of the above-mentioned ESP, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "H" "M" and "L".
7. The remote controller can be used to change "H" "M" and "L".

ESP : external static pressure.

3D141703

FDMQ18WVJU9



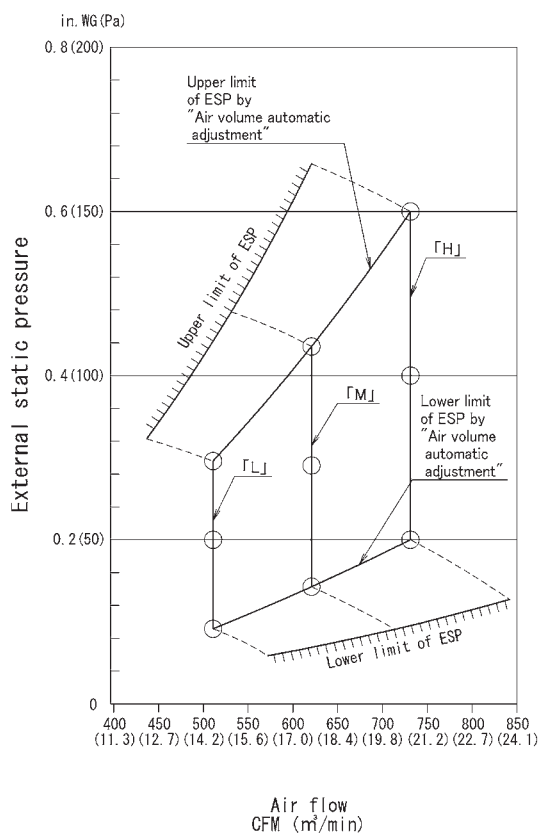
Notes :

1. This indoor unit has the "Air volume automatic adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of $\pm 10\%$ of the rated value, at the time of installation.
2. After duct construction completion, please perform field setting "Air volume automatic adjustment" by remote controller.
3. About the field setting method of the "Air volume automatic adjustment", look at the installation manual which is attached to an indoor unit.
4. ESP that can adjust by "Air volume automatic adjustment" function is 0.2in.WG (50Pa) - 0.6in.WG (150Pa) (When air flow is "H").
5. If the unit is used beyond the range of the above-mentioned ESP, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "H" "M" and "L".
7. The remote controller can be used to change "H" "M" and "L".

ESP : external static pressure.

3D141704

FDMQ24WVJU9



Notes :

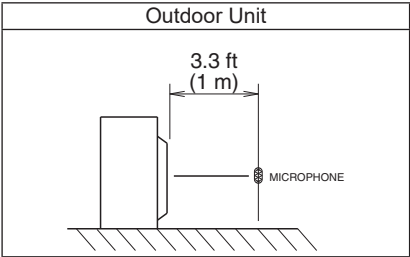
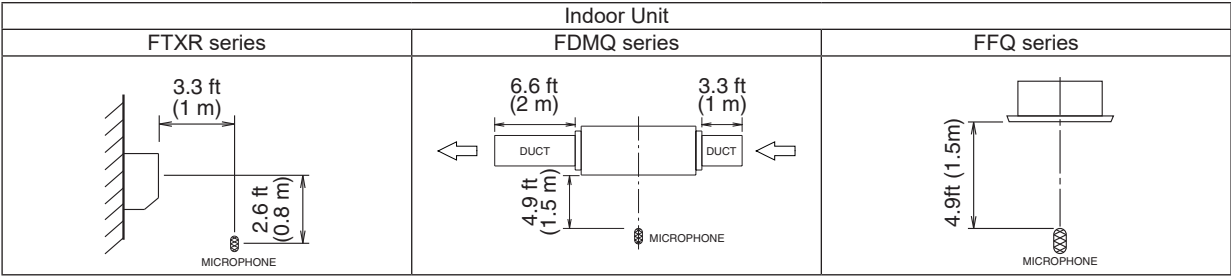
1. This indoor unit has the "Air volume automatic adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of $\pm 10\%$ of the rated value, at the time of installation.
2. After duct construction completion, please perform field setting "Air volume automatic adjustment" by remote controller.
3. About the field setting method of the "Air volume automatic adjustment", look at the installation manual which is attached to an indoor unit.
4. ESP that can adjust by "Air volume automatic adjustment" function is 0.2in.WG (50Pa) - 0.6in.WG (150Pa) (When air flow is "H").
5. If the unit is used beyond the range of the above-mentioned ESP, the air flow rate can not be well-adjusted automatically, and the unit will operate with the air flow rate different from the rated value.
6. This figure shows a fan characteristics at the time of "H" "M" and "L".
7. The remote controller can be used to change "H" "M" and "L".

ESP : external static pressure.

3D141705

10. Sound Level

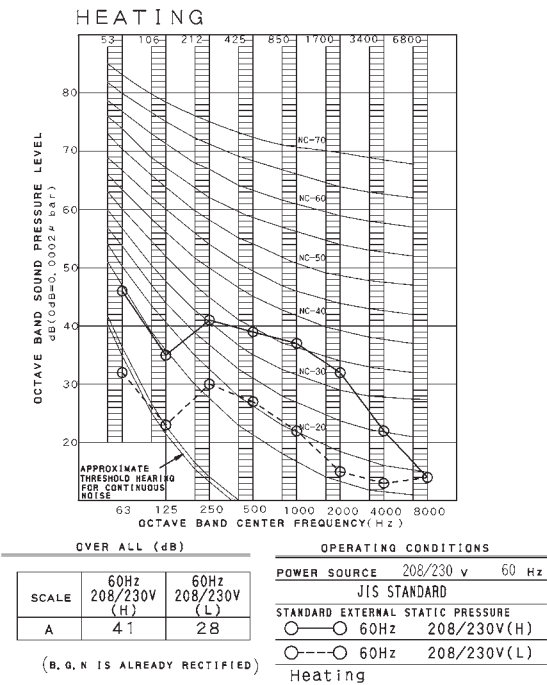
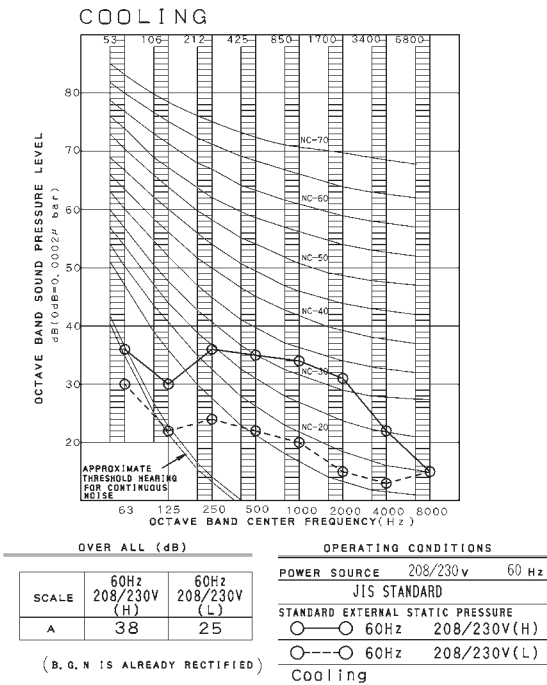
10.1 Measuring Location



- Notes:**
- 1. Operation sound is measured in an anechoic chamber.
 - 2. The data are based on the conditions shown in the table below.

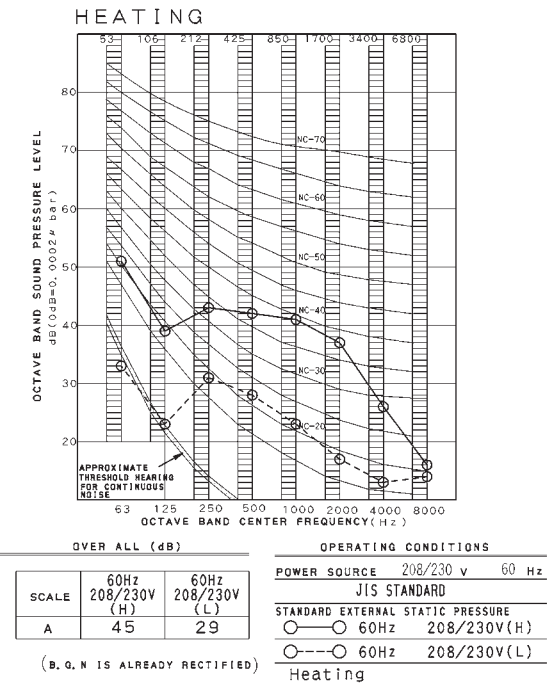
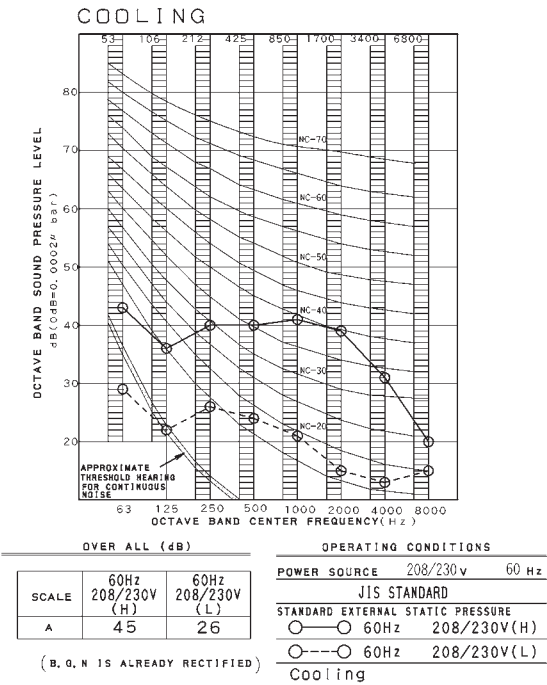
	Cooling	Heating	Piping Length
Indoor	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	25 ft (7.5 m)
Outdoor	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	

10.2 Indoor Unit
FTXR09WVJUW(S)9



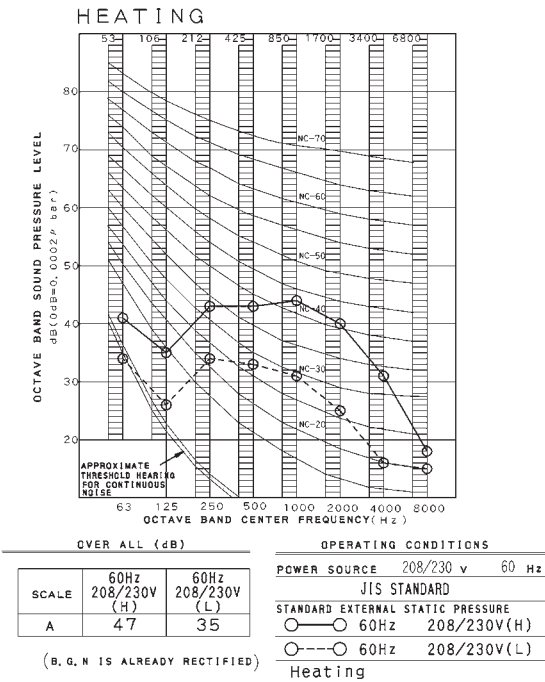
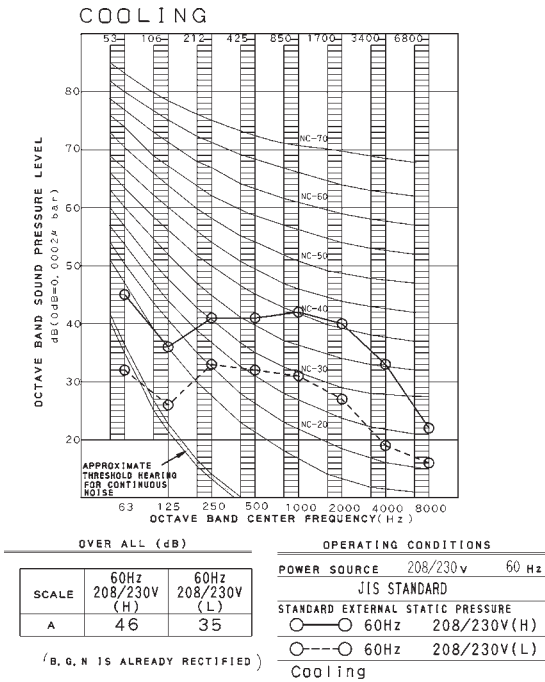
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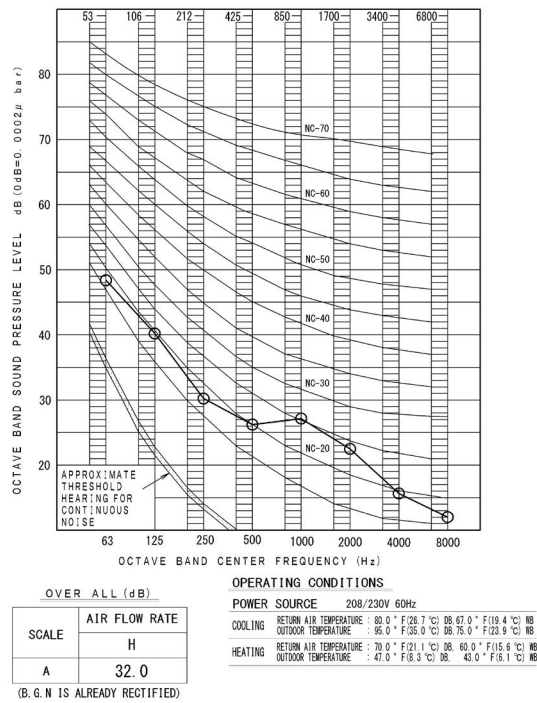
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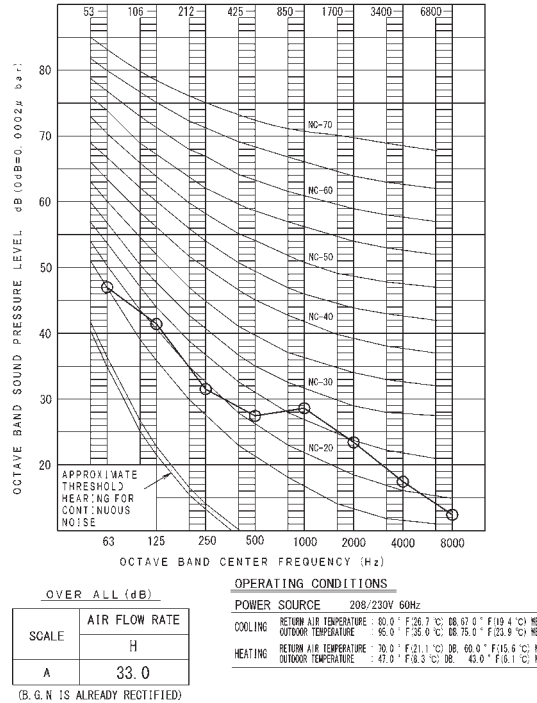


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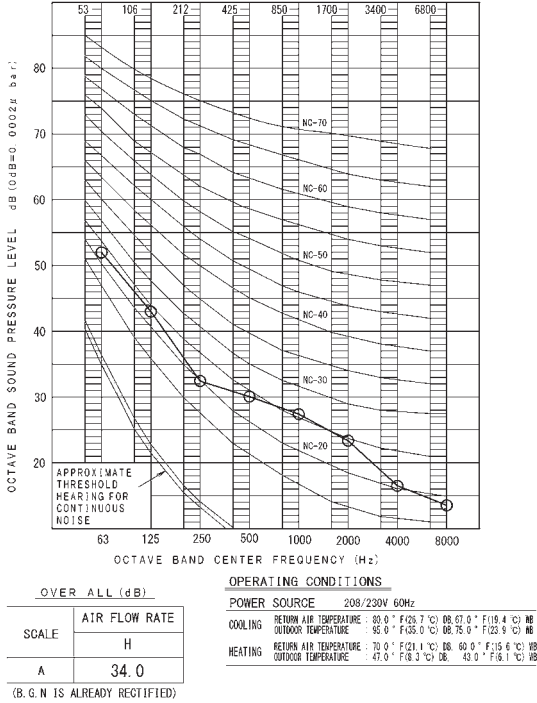
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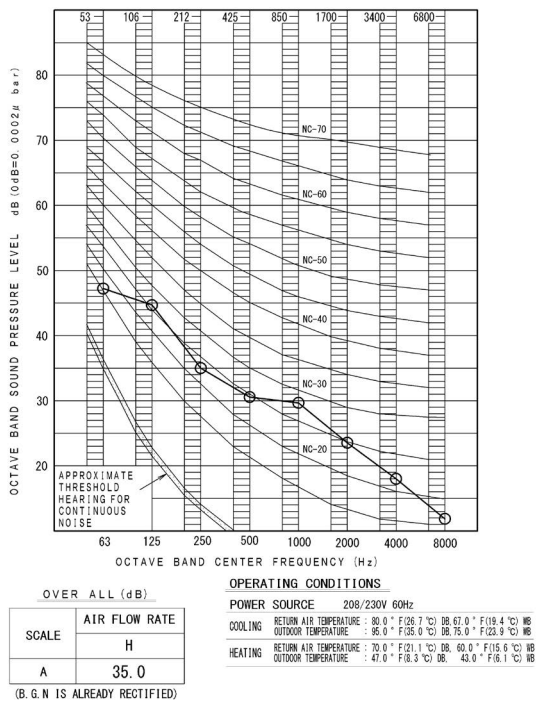
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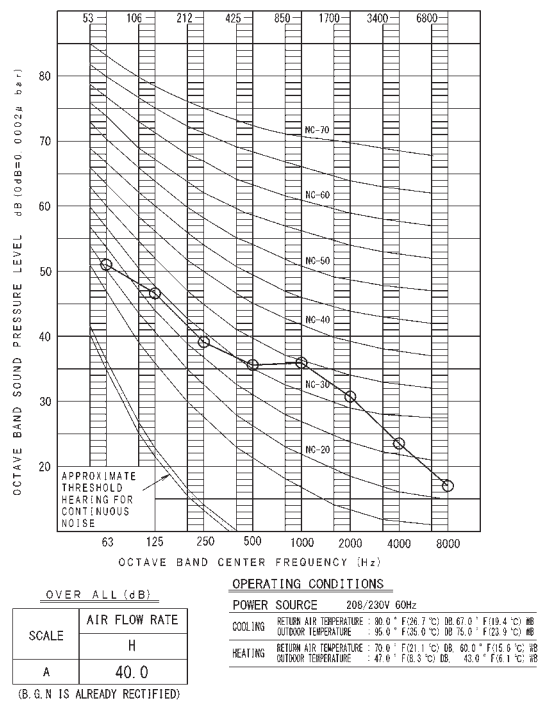
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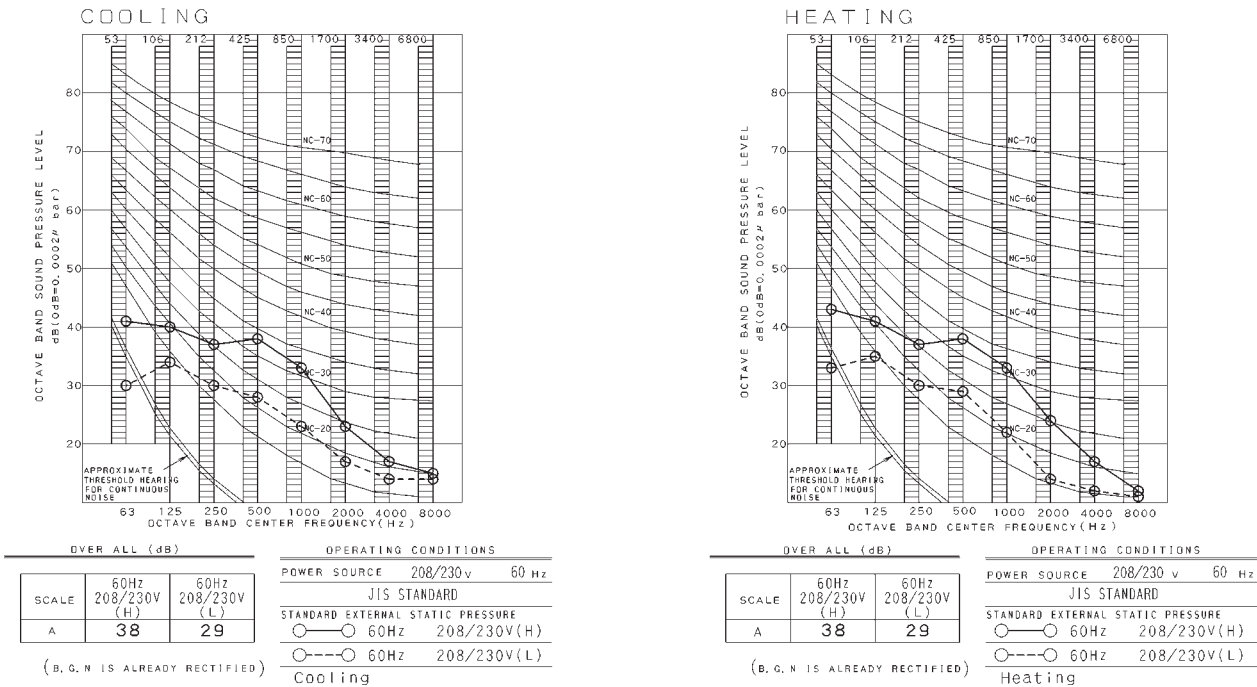
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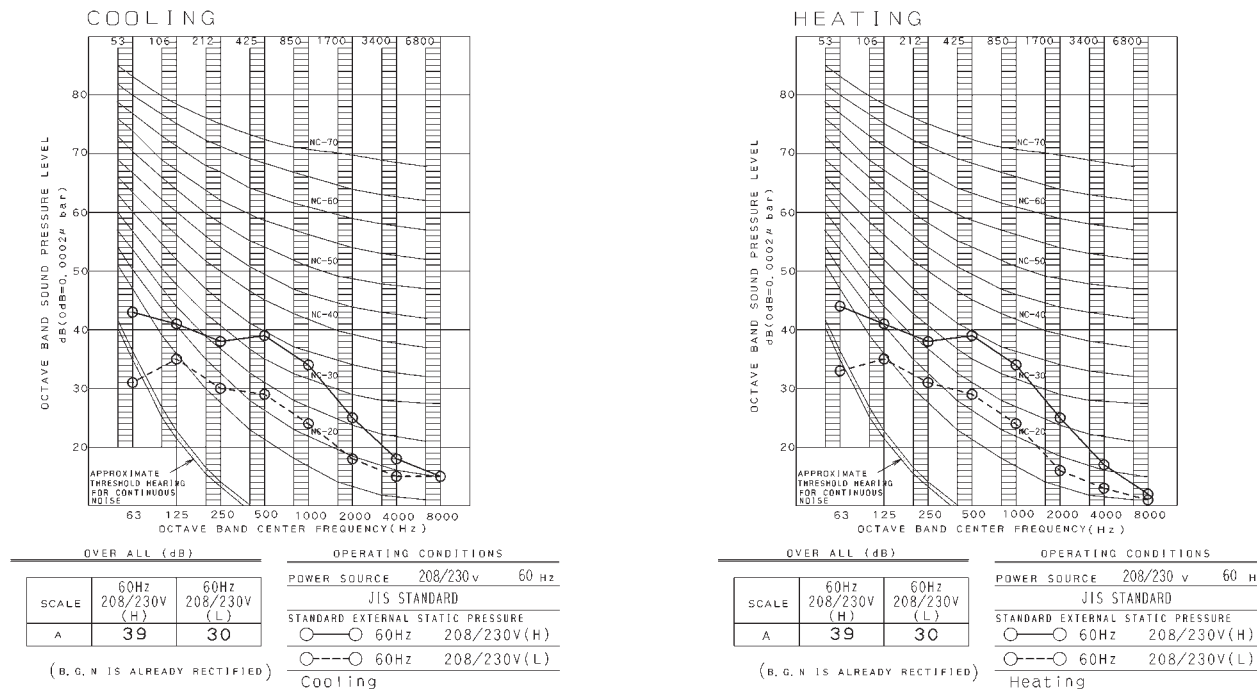
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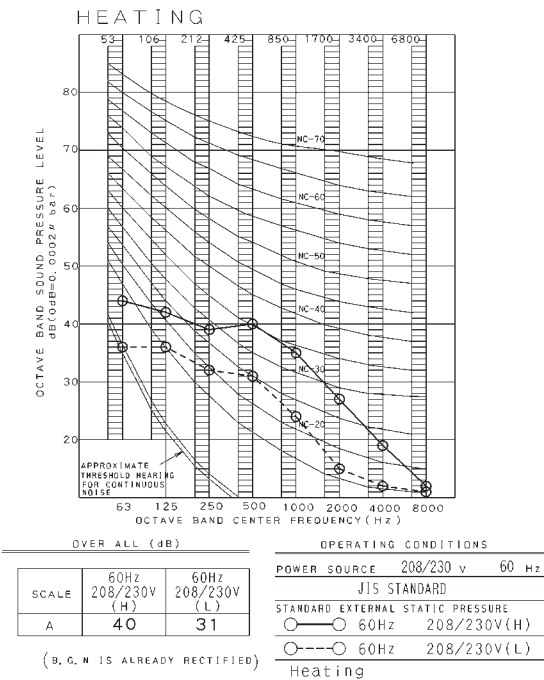
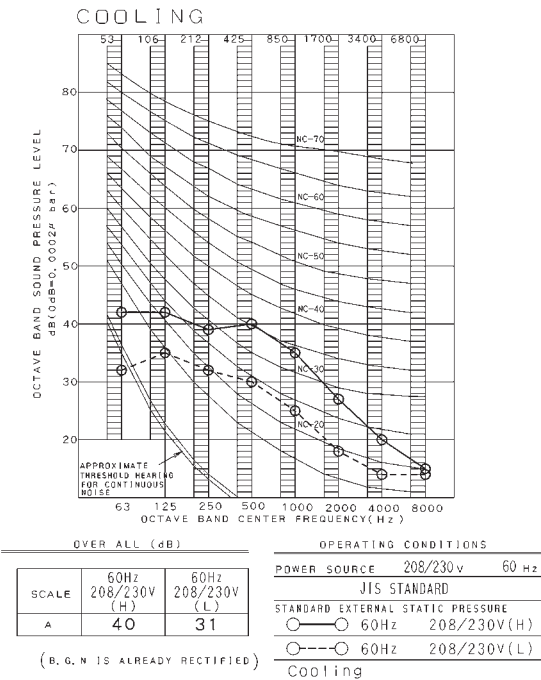
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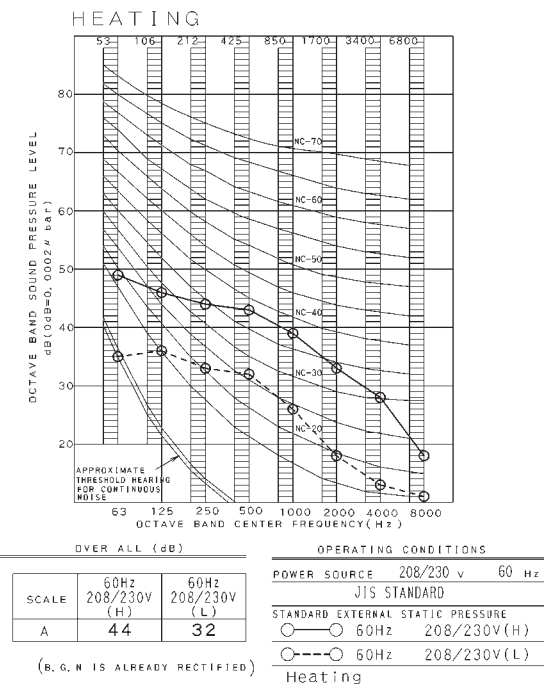
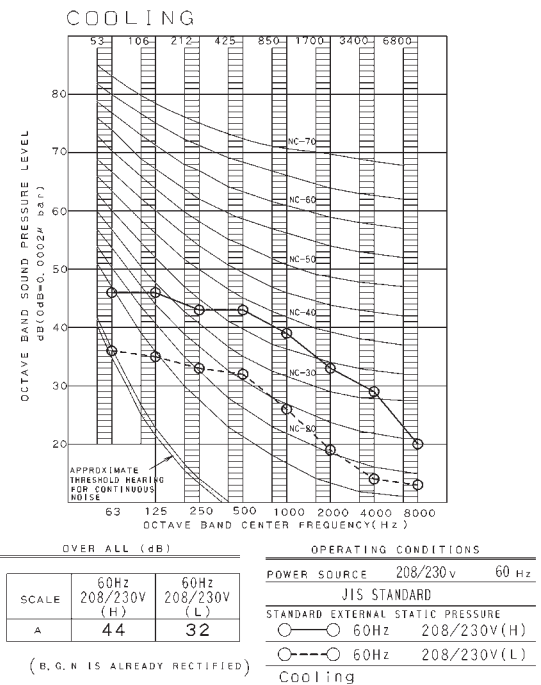
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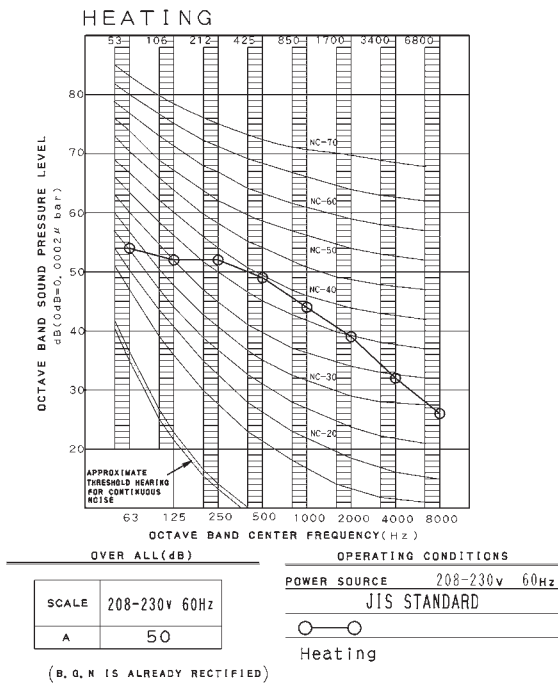
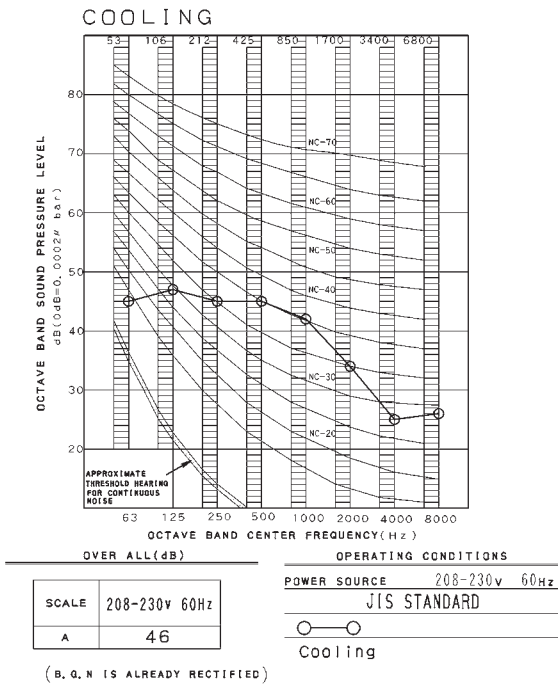
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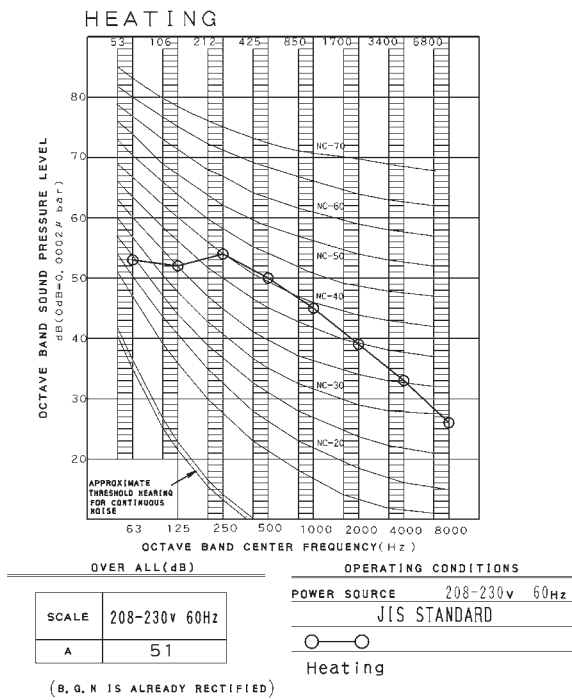
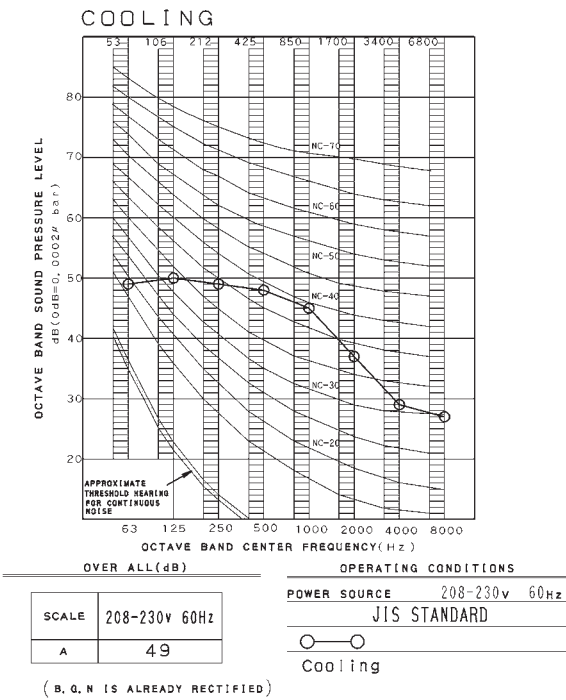
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10.3 Outdoor Unit
RX09WMVJU9



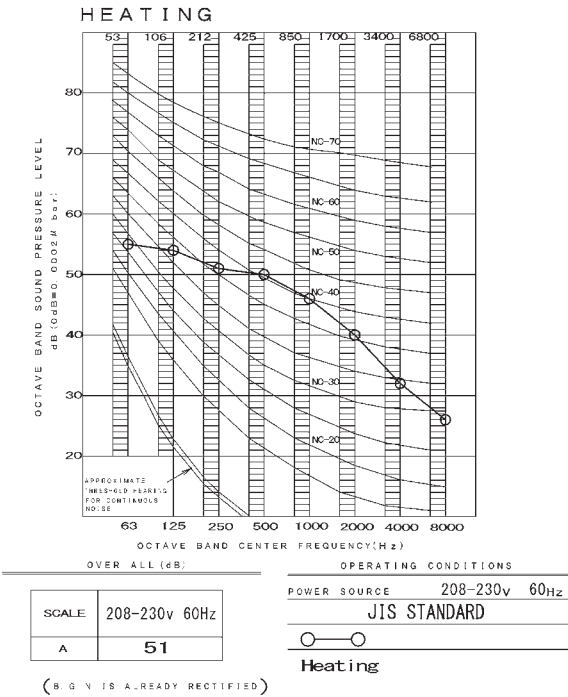
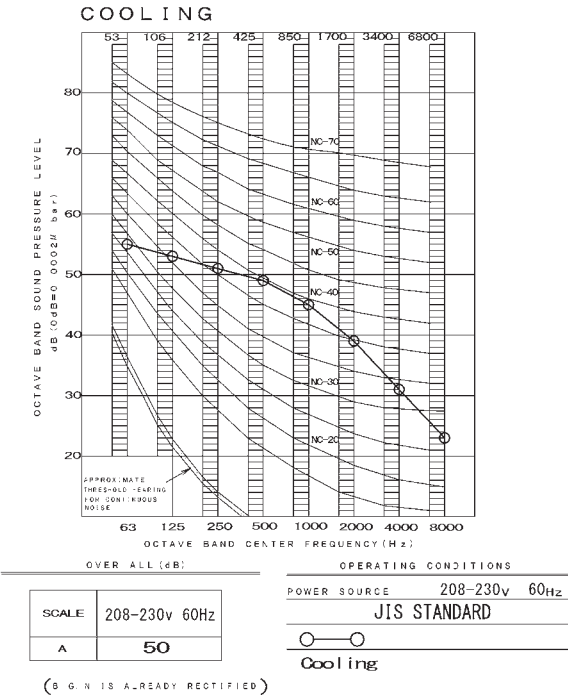
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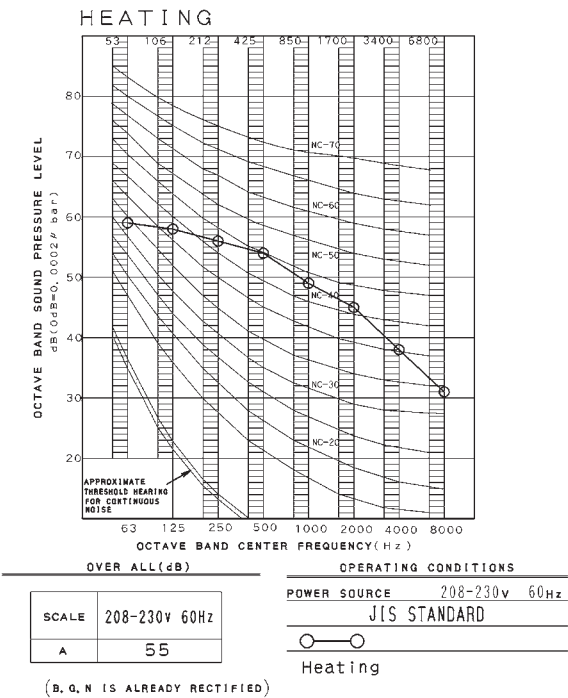
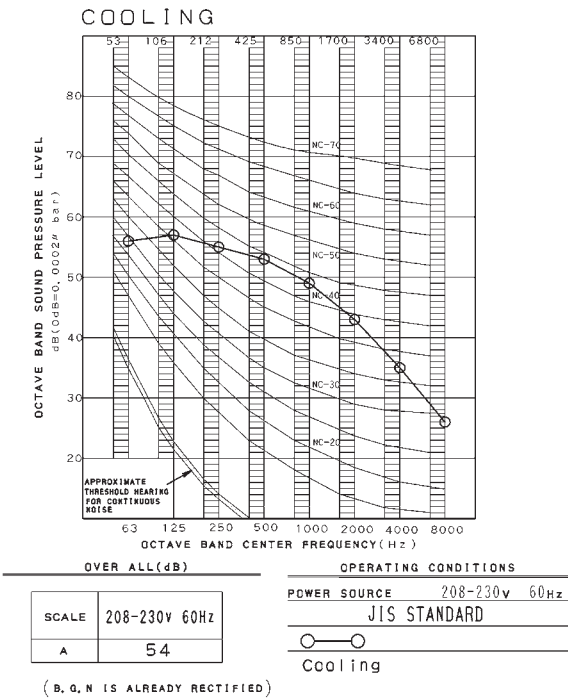
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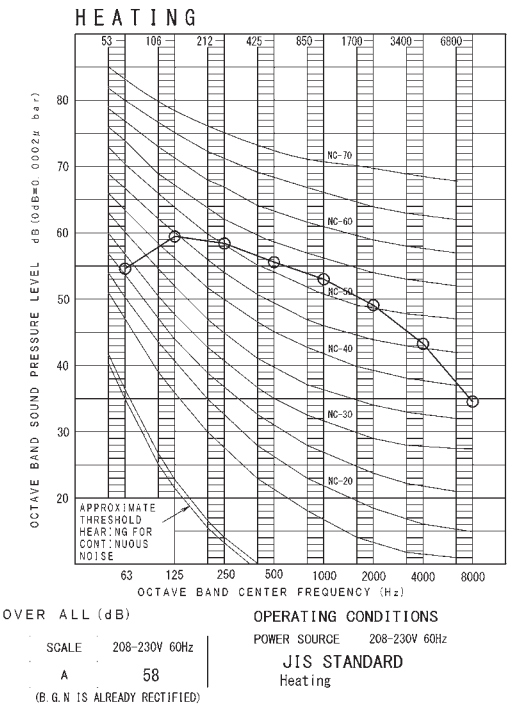
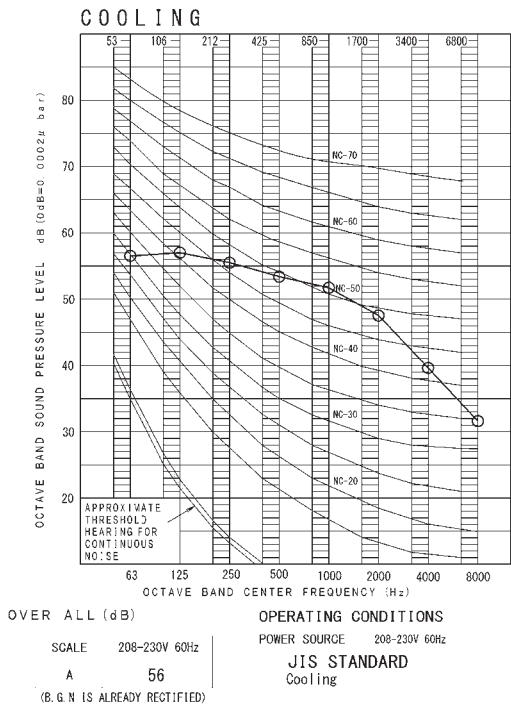
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RX18WMVJU9



3D108255C

RX24WMVJU9



3D113030A

11. Electric Characteristics

Indoor Unit	Outdoor Unit	Power Supply				Compressor	OFM			IFM		
		Hz - Volts	Voltage Range	MCA	MFA		Hp	W	FLA	Hp	W	FLA
FTXR09WVJUW9 FTXR09WVJUS9	RX09WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	7.6	15	7.5	0.03	20	0.17	0.04	29	0.13
FTXR12WVJUW9 FTXR12WVJUS9	RX12WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	7.7	15	7.5	0.03	20	0.17	0.04	29	0.19
FTXR18WVJUW9 FTXR18WVJUS9	RX18WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	11.0	15	10.8	0.12	93	0.58	0.04	29	0.21
FDMQ09WVJU9	RX09WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	8.0	15	7.5	0.03	20	0.17	0.17	130	0.49
FDMQ12WVJU9	RX12WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	8.1	15	7.5	0.03	20	0.17	0.17	130	0.63
FDMQ15WVJU9	RX15WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	8.6	15	8.0	0.10	75	0.47	0.31	230	0.64
FDMQ18WVJU9	RX18WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	11.6	15	10.8	0.12	93	0.58	0.31	230	0.84
FDMQ24WVJU9	RX24WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	13.1	20	12.0	0.12	93	0.58	0.31	230	1.10
FFQ09W2VJU9	RX09WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	7.8	15	7.5	0.03	20	0.17	0.07	50	0.28
FFQ12W2VJU9	RX12WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	7.8	15	7.5	0.03	20	0.17	0.07	50	0.28
FFQ15W2VJU9	RX15WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	8.3	15	8.0	0.10	75	0.47	0.07	50	0.28
FFQ18W2VJU9	RX18WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	11.0	15	10.8	0.12	93	0.58	0.07	50	0.28

Symbols:

MCA	: Min. circuit amps	(A)
MFA	: Max. fuse amps	(A)
RLA	: Rated load amps	(A)
OFM	: Outdoor fan motor	
IFM	: Indoor fan motor	
FLA	: Full load amps	(A)
W / Hp	: Fan motor rated output	(W, Hp)

Notes:

1. RLA is the max current that comes in cooling operation and heating operation.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.

C: 3D143137

C: 3D143129