



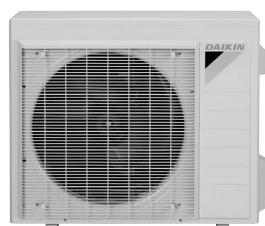
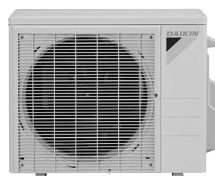
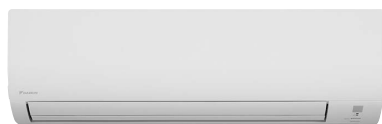
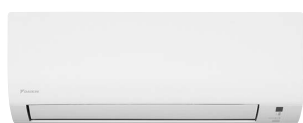
EDUS092213A

R-410A

Engineering Data

Split Type Air Conditioners
- Heat Pump -

RXL-W Series



INVERTER

Split Type Air Conditioners

RXL-W Series

1. Lineup	4
2. Functions	5
3. Specifications.....	6
4. Dimensions	13
4.1 Indoor Unit	13
4.2 Outdoor Unit	18
5. Wiring Diagrams	20
5.1 Indoor Unit	20
5.2 Outdoor Unit	23
6. Piping Diagrams	25
6.1 Indoor Unit	25
6.2 Outdoor Unit	27
7. Capacity Tables	30
7.1 Capacity Correction Factor by the Length of Refrigerant Piping (Reference)	52
8. Operation Limit	54
9. Fan Characteristics	55
9.1 External Static Pressure	55
9.2 Airflow Auto Adjustment.....	58
10. Sound Level.....	60
10.1 Measuring Location	60
10.2 Indoor Unit	61
10.3 Outdoor Unit	66
11. Electric Characteristics	69
12. Installation Manual.....	70
12.1 FTX09/12/15	70
12.2 FTX18/24	82
12.3 FVXS	94
12.4 FDMQ	112
12.5 RXL09/12.....	136
12.6 RXL15/18/24.....	149
12.7 <BRC1E73> Wired Remote Controller	163

12.8 <BRC082A43> Wireless Remote Controller.....	184
13. Operation Manual	189
13.1 FTX09/12/15	189
13.2 FTX18/24	219
13.3 FVXS	256
13.4 FDMQ	292
13.5 General Safety Considerations (FTX, FDMQ, RXL).....	302
13.6 General Safety Considerations (FVXS).....	307
13.7 <BRC1E73> Wired Remote Controller	312
13.8 <BRC082A43> Wireless Remote Controller for FDMQ.....	362
14. Options	370
14.1 Option List.....	370
14.2 <BRC944B2> Wired Remote Controller Installation Manual	372
14.3 <BRC944B2> Wired Remote Controller Operation Manual	374
14.4 <BRCW901A03/08> Wired Remote Controller Cord.....	386
14.5 <KRP413BB1S> Wiring Adaptor for Timer Clock/Remote Controller.....	387
14.6 <KRP928BB2S> Interface Adaptor for DIII-NET	391
14.7 <KRP067A41> Interface Adaptor for Residential Air Conditioner	394
14.8 <KRP980B2> Interface Adaptor for Residential Air Conditioner	398
14.9 <DCS302C71> Central Remote Controller Installation Manual.....	402
14.10 <DCS302C71> Central Remote Controller Operation Manual	407
14.11 <DCS301C71> Unified ON/OFF Controller Installation Manual	433
14.12 <DCS301C71> Unified ON/OFF Controller Operation Manual	438
14.13 <DST301BA61> Schedule Timer Controller.....	440
14.14 <DST301BA61> Schedule Timer Controller Installation Manual.....	441
14.15 <DST301BA61> Schedule Timer Controller Operation Manual	446
14.16 <KRCS01-4B> Remote Sensor	459
14.17 <KRP1C74> Wiring Adaptor	462
14.18 <KRP4A98> Installation Box for Adaptor PCB	463
14.19 <KPW937F4> Air Direction Adjustment Grille	465
14.20 <KPW063B4> Air Direction Adjustment Grille	467
14.21 <KKG067A41> Back Protection Wire Net	469
14.22 <KKG063A42> Back Protection Wire Net	470
14.23 <KEH067A41EA, KEH063A4E, FTDBHMS, FTDBHML> Drain Pan Heater.....	471

14.24 <KPS067A41> Snow Hood (Intake Side Plate).....	477
14.25 <KPS067A42> Snow Hood (Intake Rear Plate)	479
14.26 <KPS067A44> Snow Hood (Outlet)	481
14.27 <KPS063A41> Snow Hood (Intake Side Plate).....	483
14.28 <KPS063A44> Snow Hood (Intake Rear Plate)	485
14.29 <KPS063A47> Snow Hood (Outlet)	487

1. Lineup

Indoor Unit		Outdoor Unit	Power Supply
Wall mounted type	FTX09WMVJU9	RXL09WMVJU9	1 phase, 208 - 230 V, 60 Hz
	FTX12WMVJU9	RXL12WMVJU9	
	FTX15WMVJU9	RXL15WMVJU9	
	FTX18WVJU9	RXL18WMVJU9	
	FTX24WVJU9	RXL24WMVJU9	
Floor standing type	FVXS09WVJU9	RXL09WMVJU9	
	FVXS12WVJU9	RXL12WMVJU9	
	FVXS15WVJU9	RXL15WMVJU9	
Duct concealed type	FDMQ12WVJU9	RXL12WMVJU9	
	FDMQ18WVJU9	RXL18WMVJU9	
	FDMQ24WVJU9	RXL24WMVJU9	

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 FTX				Floor Standing FVXS	Duct Concealed FDMQ	
		09	12	15	18/24		Wired R/C	Wireless R/C
Basic Function	Inverter (with inverter power control)	●	●	●	●	●	●	●
	Operation limit	Refer to page 54						
	PAM control	●	●	●	●	●	●	●
	Standby electricity saving	●	—	●	—	—	—	—
Compressor	Swing compressor	●	●	●	●	●	●	●
	Reluctance DC motor	●	●	●	●	●	●	●
Comfortable Airflow	Power-airflow flap (horizontal blade)	●	●	—	—	●	—	—
	Power-airflow dual flaps (horizontal blades)	—	—	●	●	—	—	—
	Wide-angle louvers (vertical blades)	●	●	●	●	●	—	—
	Auto-swing (up and down)	●	●	●	●	●	—	—
	Auto-swing (right and left)	—	—	—	●	—	—	—
	3-D airflow	—	—	—	●	—	—	—
	COMFORT AIRFLOW operation	●	●	●	●	—	—	—
	Auto fan speed	●	●	●	●	●	●	—
Comfort Control	Switchable fan speed	5 steps	5 steps	5 steps	5 steps	5 steps	3 steps	3 steps
	Indoor unit quiet operation	●	●	●	●	●	—	—
	OUTDOOR UNIT QUIET operation (manual)	—	—	—	●	●	—	—
	INTELLIGENT EYE operation (auto energy saving)	—	—	—	●	—	—	—
	2 selectable temperature sensors	—	—	—	—	—	●	—
	Quick warming function	●	●	●	●	—	●	●
	Hot-start function	●	●	●	●	●	●	●
	Automatic defrosting	●	●	●	●	●	●	●
Operation	Automatic cooling/heating changeover	●	●	●	●	●	●	●
	Program dry operation	●	●	●	●	●	●	●
	Fan only	●	●	●	●	●	●	●
Lifestyle Convenience	Inverter POWERFUL operation	●	●	●	●	●	—	—
	ECONO operation	●	●	●	●	●	—	—
	Indoor unit ON/OFF switch	●	●	●	●	●	—	—
	Emergency operation switch	—	—	—	—	—	—	●
	Signal receiving sign	●	●	●	●	●	—	●★1
Health and Cleanliness	Titanium apatite deodorizing filter	●	●	●	●	●	—	—
	Air filter (prefilter)	●	●	●	●	●	—	—
	Wipe-clean flat panel	●	●	●	●	●	—	—
	Silver ion anti-bacterial drain pan	—	—	—	—	—	●	●
	Filter cleaning indicator	—	—	—	—	—	●	●
Remote Control & Timer	WEEKLY TIMER operation	—	—	—	●	●	—	—
	Schedule timer	—	—	—	—	—	●	—
	24-hour ON/OFF TIMER	—	—	—	●	●	●	—
	72-hour ON/OFF TIMER	—	—	—	—	—	—	●
	Count up-down ON/OFF timer	●	●	●	—	—	—	●
	Off timer (turns unit off after set time)	—	—	—	—	—	●	—
	Setpoint auto reset	—	—	—	—	—	●	—
	Setpoint range set	—	—	—	—	—	●	—
	NIGHT SET mode	●	●	●	●	●	—	—
	Remote controller with back light	●	●	●	●	●	●	—
	DIII-NET compatible (adaptor)	Option	Option	Option	Option	Option	Option	Option
	Wireless LAN connection	Option	Option	Option	Option	Option	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	—	—	—	—	●	●	●
	Chargeless	32.8 ft. (10 m)	32.8 ft. (10 m)	32.8 ft. (10 m)	32.8 ft. (10 m)	32.8 ft. (10 m)	32.8 ft. (10 m)	32.8 ft. (10 m)
	Drain pump	—	—	—	—	—	●	●
	Either side drain (right or left)	●	●	●	●	—	—	—
	Low temperature cooling operation	−4°F ★2 (−20°C)	−4°F ★2 (−20°C)	−4°F ★2 (−20°C)	−4°F ★2 (−20°C)	−4°F ★2 (−20°C)	−4°F ★2 (−20°C)	−4°F ★2 (−20°C)
	°F/°C changeover R/C temperature display (factory setting: °F)	●	●	●	●	●	●	— (°F only)

● : Available
— : Not available

★1 : Receiving sound only
★2 : Below 50°F (10°C):

Below 14°F (−10°C):

Needs setting on outdoor unit.
09/12/15 class cutting jumper on the main PCB
18/24 class switch on the service monitor PCB
Need to install the air direction adjustment grille.

3. Specifications

Model		Indoor Unit		FTX09WMVJU9		FTX12WMVJU9	
		Outdoor Unit		RXL09WMVJU9		RXL12WMVJU9	
				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 (4,400 - 10,900)		10,600 (4,400 - 13,300)		13,400 (4,400 - 18,800)
Running Current (Rated)		A	4.09 - 3.70		4.19 - 3.79		4.62 - 4.18
Power Consumption (Rated)		W	783 - 783		807 - 807		922 - 922
Power Factor (Rated)		%	92.0 - 92.1		92.6 - 92.6		95.9 - 96.0
SEER2 / HSPF2			19.50		10.00		19.50
EER2 (Rated)		Btu/h·W	11.50		—		11.50
COP2 (Rated)		W/W	—		3.96		—
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 5/8 (16)		ϕ 5/8 (16)		
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			FTX09WMVJU9			FTX12WMVJU9	
Front Panel Color			White (N9.5)			White (N9.5)	
Airflow Rate	H / M / L / SL	cfm m³/min	417 / 297 / 244 / 141 11.8 / 8.4 / 6.9 / 4.0	403 / 328 / 251 / 215 11.4 / 9.3 / 7.1 / 6.1	434 / 311 / 247 / 145 12.3 / 8.8 / 7.0 / 4.1	413 / 321 / 258 / 219 11.7 / 9.1 / 7.3 / 6.2	
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	0.25 - 0.23		0.28 - 0.25		0.25 - 0.23
Power Consumption (Rated)		W	28 - 28		31 - 31		28 - 28
Power Factor (Rated)		%	53.8 - 52.9		53.2 - 53.9		53.8 - 52.9
Temperature Control			Microcomputer Control			Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	11-1/4 × 30-5/16 × 8-3/4 (285 × 770 × 223)			11-1/4 × 30-5/16 × 8-3/4 (285 × 770 × 223)	
Packaged Dimensions (H × W × D)		in. (mm)	12-5/8 × 32-11/16 × 14-3/16 (320 × 830 × 360)			12-5/8 × 32-11/16 × 14-3/16 (320 × 830 × 360)	
Weight (Mass)		lbs (kg)	18 (8)			20 (9)	
Gross Weight (Gross Mass)		lbs (kg)	23 (11)			24 (11)	
Sound Pressure Level	H / M / L / SL	dB(A)	43 / 36 / 30 / 19	43 / 36 / 29 / 25	45 / 37 / 30 / 19	45 / 37 / 30 / 26	
Outdoor Unit			RXL09WMVJU9			RXL12WMVJU9	
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			0.04	
Compressor	Type		Hermetically Sealed Swing Type			Hermetically Sealed Swing Type	
	Model		1YC23AUXD			2YC36PXD	
Refrigerant Oil	Type		FVC50K			FVC50K	
	Charge	oz (L)	12.68 (0.375)			21.98 (0.650)	
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)	922 (26.1)	1,144 (32.4)	1,031 (29.2)	
Fan	Type		Propeller			Propeller	
Running Current (Rated)		A	3.84 - 3.47	3.96 - 3.58	4.34 - 3.93	5.23 - 4.73	
Power Consumption (Rated)		W	755 - 755	782 - 782	891 - 891	1,075 - 1,075	
Power Factor (Rated)		%	94.5 - 94.6	94.9 - 95.0	98.7 - 98.6	98.8 - 98.8	
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)			73 (33)	
Gross Weight (Gross Mass)		lbs (kg)	68 (31)			78 (35)	
Sound Pressure Level		dB(A)	49	49	50	50	
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)		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)		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.			3D143446			3D143446	
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		FTX15WMVJU9		FTX18WVJU9	
		Outdoor Unit		RXL15WMVJU9		RXL18WMVJU9	
				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	15,000 (5,800 - 18,400)	18,300 (5,800 - 24,600)	18,000 (9,000 - 21,600)	21,600 (9,000 - 28,000)	
Running Current (Rated)		A	6.42 - 5.81	7.24 - 6.55	7.84 - 7.09	9.62 - 8.70	
Power Consumption (Rated)		W	1,250 - 1,250	1,426 - 1,426	1,565 - 1,565	1,942 - 1,942	
Power Factor (Rated)		%	93.6 - 93.5	94.7 - 94.6	96.0 - 96.0	97.1 - 97.0	
SEER2 / HSPF2			19.50	10.00	19.80	8.50	
EER2 (Rated)		Btu/h-W	12.00	—	11.50	—	
COP2 (Rated)		W/W	—	3.76	—	3.26	
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 5/8 (16)		ϕ 5/8 (16)		
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)		0.32 (30)		
Indoor Unit			FTX15WMVJU9		FTX18WVJU9		
Front Panel Color			White (N9.5)		White (N9.5)		
Airflow Rate	H / M / L / SL	cfm	593 / 505 / 431 / 367	653 / 554 / 470 / 399	583 / 484 / 385 / 360	713 / 583 / 431 / 399	
		m³/min	16.8 / 14.3 / 12.2 / 10.4	18.5 / 15.7 / 13.3 / 11.3	16.5 / 13.7 / 10.9 / 10.2	20.2 / 16.5 / 12.2 / 11.3	
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	0.23 - 0.21	0.25 - 0.23	0.40 - 0.37	0.51 - 0.48	
Power Consumption (Rated)		W	33 - 33	38 - 38	47 - 47	61 - 61	
Power Factor (Rated)		%	69.0 - 68.3	73.1 - 71.8	57.1 - 55.1	57.1 - 55.1	
Temperature Control			Microcomputer Control		Microcomputer Control		
Dimensions (H × W × D)		in. (mm)	11-5/8 × 39 × 10-3/8 (295 × 990 × 263)		13-3/8 × 41-5/16 × 10-3/16 (340 × 1,050 × 259)		
Packaged Dimensions (H × W × D)		in. (mm)	15-3/16 × 43-3/8 × 15-5/16 (386 × 1,102 × 389)		13-7/16 × 45-11/16 × 16-7/8 (342 × 1,160 × 429)		
Weight (Mass)		lbs (kg)	27 (13)		33 (15)		
Gross Weight (Gross Mass)		lbs (kg)	36 (17)		42 (19)		
Sound Pressure Level	H / M / L / SL	dB(A)	45 / 41 / 36 / 33	45 / 41 / 37 / 33	46 / 41 / 36 / 33	48 / 42 / 35 / 32	
Outdoor Unit			RXL15WMVJU9		RXL18WMVJU9		
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		0.16		
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type		
	Model		2YC36PXD		2YC63AAXD		
Refrigerant Oil	Type		FVC50K		FVC50K		
	Charge	oz (L)	21.98 (0.650)		30.43 (0.900)		
Refrigerant	Type		R-410A		R-410A		
	Charge	lbs (kg)	3.20 (1.45)		3.53 (1.60)		
Airflow Rate		cfm (m³/min)	2,044 (57.9)	2,044 (57.9)	2,419 (68.5)	2,362 (66.9)	
Fan	Type		Propeller		Propeller		
Running Current (Rated)		A	6.19 - 5.60	6.99 - 6.32	7.44 - 6.72	9.11 - 8.22	
Power Consumption (Rated)		W	1,217 - 1,217	1,388 - 1,388	1,518 - 1,518	1,881 - 1,881	
Power Factor (Rated)		%	94.5 - 94.5	95.5 - 95.5	98.1 - 98.2	99.3 - 99.5	
Dimensions (H × W × D)		in. (mm)	28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)		28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)		
Packaged Dimensions (H × W × D)		in. (mm)	31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)		31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)		
Weight (Mass)		lbs (kg)	109 (50)		132 (60)		
Gross Weight (Gross Mass)		lbs (kg)	119 (54)		142 (65)		
Sound Pressure Level		dB(A)	50	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.			3D143446		3D143445A		
Note(s)			SL: The quiet fan level of the airflow rate setting.				

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

Model		Indoor Unit		FTX24WVJU9	
		Outdoor Unit		RXL24WMVJU9	
				Cooling	Heating
Power Supply				1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	21,200 (9,000 - 25,800)		24,000 (9,000 - 32,000)
Running Current (Rated)		A	9.23 - 8.35		11.39 - 10.30
Power Consumption (Rated)		W	1,843 - 1,843		2,299 - 2,299
Power Factor (Rated)		%	96.0 - 96.0		97.0 - 97.0
SEER2 / HSPF2			19.50		8.50
EER2 (Rated)		Btu/h-W	11.50		—
COP2 (Rated)		W/W	—		3.06
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)		
	Gas	in. (mm)	ϕ 5/8 (15.9)		
	Drain	in. (mm)	ϕ 5/8 (16)		
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)	0.32 (30)		
Indoor Unit			FTX24WVJU9		
Front Panel Color			White (N9.5)		
Airflow Rate	H / M / L / SL	cfm	643 / 494 / 350 / 328		699 / 572 / 445 / 403
		m³/min	18.2 / 14.0 / 9.9 / 9.3		19.8 / 16.2 / 12.6 / 11.4
Fan	Type / Speed	Steps	Cross Flow Fan / 5 Steps, Quiet, Auto		
Air Direction Control			Right, Left, Horizontal, Downward		
Air Filter			Removable, Washable		
Running Current (Rated)		A	0.64 - 0.58		0.63 - 0.57
Power Consumption (Rated)		W	78 - 78		76 - 76
Power Factor (Rated)		%	58.2 - 58.0		58.2 - 58.0
Temperature Control			Microcomputer Control		
Dimensions (H × W × D)		in. (mm)	13-3/8 × 41-5/16 × 10-3/16 (340 × 1,050 × 259)		
Packaged Dimensions (H × W × D)		in. (mm)	13-7/16 × 45-11/16 × 16-7/8 (342 × 1,160 × 429)		
Weight (Mass)		lbs (kg)	33 (15)		
Gross Weight (Gross Mass)		lbs (kg)	44 (20)		
Sound Pressure Level	H / M / L / SL	dB(A)	51 / 44 / 37 / 34		48 / 42 / 37 / 34
Outdoor Unit			RXL24WMVJU9		
Casing Color			Ivory White		
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		
Fan Motor	Motor Output	HP	0.16		
Compressor	Type		Hermetically Sealed Swing Type		
	Model		2YC63AAXD		
Refrigerant Oil	Type		FVC50K		
	Charge	oz (L)	30.43 (0.900)		
Refrigerant	Type		R-410A		
	Charge	lbs (kg)	3.53 (1.60)		
Airflow Rate		cfm (m³/min)	2,419 (68.5)		2,362 (66.9)
Fan	Type		Propeller		
Running Current (Rated)		A	8.59 - 7.77		10.76 - 9.73
Power Consumption (Rated)		W	1,765 - 1,765		2,223 - 2,223
Power Factor (Rated)		%	98.8 - 98.8		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)	132 (60)		
Gross Weight (Gross Mass)		lbs (kg)	142 (65)		
Sound Pressure Level		dB(A)	55		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)
	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.			3D143445A		
Note(s)			SL: The quiet fan level of the airflow rate setting.		

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

Model		Indoor Unit		FVXS09WVJU9		FVXS12WVJU9	
		Outdoor Unit		RXL09WMVJU9		RXL12WMVJU9	
				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 (4,400 - 10,200)	10,100 (4,400 - 14,300)	10,200 (4,400 - 12,300)	13,000 (4,400 - 17,100)	
Running Current (Rated)		A	4.08 - 3.69	3.91 - 3.54	4.58 - 4.14	5.00 - 4.52	
Power Consumption (Rated)		W	783 - 783	767 - 767	927 - 927	1,013 - 1,013	
Power Factor (Rated)		%	92.3 - 92.3	94.3 - 94.3	97.3 - 97.3	97.4 - 97.4	
SEER2 / HSPF2			19.50	9.70	19.50	9.40	
EER2 (Rated)		Btu/h·W	11.50	—	11.00	—	
COP2 (Rated)		W/W	—	3.86	—	3.76	
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 13/16 (20)		ϕ 13/16 (20)		
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			FVXS09WVJU9		FVXS12WVJU9		
Front Panel Color			White (B-272)		White (B-272)		
Airflow Rate	H / M / L / SL	cfm	290 / 230 / 169 / 145	311 / 244 / 177 / 155	300 / 237 / 173 / 159	332 / 258 / 184 / 166	
		m³/min	8.2 / 6.5 / 4.8 / 4.1	8.8 / 6.9 / 5.0 / 4.4	8.5 / 6.7 / 4.9 / 4.5	9.4 / 7.3 / 5.2 / 4.7	
Fan	Type / Speed	Steps	Turbo Fan / 5 Steps, Quiet, Auto		Turbo Fan / 5 Steps, Quiet, Auto		
Air Direction Control			Right, Left, Horizontal, Downward		Right, Left, Horizontal, Downward		
Air Filter			Removable, Washable, Mildew Proof		Removable, Washable, Mildew Proof		
Running Current (Rated)		A	0.14 - 0.13	0.15 - 0.14	0.14 - 0.13	0.15 - 0.14	
Power Consumption (Rated)		W	15 - 15	17 - 17	15 - 15	17 - 17	
Power Factor (Rated)		%	51.5 - 50.2	54.5 - 52.8	51.5 - 50.2	54.5 - 52.8	
Temperature Control			Microcomputer Control		Microcomputer Control		
Dimensions (H × W × D)		in. (mm)	23-5/8 × 27-9/16 × 8-1/4 (600 × 700 × 210)		23-5/8 × 27-9/16 × 8-1/4 (600 × 700 × 210)		
Packaged Dimensions (H × W × D)		in. (mm)	27-3/8 × 30-15/16 × 11 (696 × 786 × 280)		27-3/8 × 30-15/16 × 11 (696 × 786 × 280)		
Weight (Mass)		lbs (kg)	31 (14)		31 (14)		
Gross Weight (Gross Mass)		lbs (kg)	38 (17)		38 (17)		
Sound Pressure Level	H / M / L / SL	dB(A)	38 / 32 / 26 / 23	38 / 32 / 26 / 23	39 / 33 / 27 / 24	39 / 33 / 27 / 24	
Outdoor Unit			RXL09WMVJU9		RXL12WMVJU9		
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		0.04		
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type		
	Model		1YC23AUXD		2YC36PXD		
Refrigerant Oil	Type		FVC50K		FVC50K		
	Charge	oz (L)	12.68 (0.375)		21.98 (0.650)		
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)	922 (26.1)	1,144 (32.4)	1,031 (29.2)	
Fan	Type		Propeller		Propeller		
Running Current (Rated)		A	3.94 - 3.56	3.76 - 3.40	4.44 - 4.01	4.85 - 4.38	
Power Consumption (Rated)		W	768 - 768	750 - 750	912 - 912	996 - 996	
Power Factor (Rated)		%	93.7 - 93.8	95.9 - 95.9	98.8 - 98.9	98.7 - 98.9	
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)		73 (33)		
Gross Weight (Gross Mass)		lbs (kg)	68 (31)		78 (35)		
Sound Pressure Level		dB(A)	49	49	50	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.			3D143142B		3D143142B		
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		FVXS15WVJU9	
		Outdoor Unit		RXL15WMVJU9	
				Cooling	Heating
Power Supply				1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	15,000 (5,800 - 17,100)		18,000 (5,800 - 24,000)
Running Current (Rated)		A	6.59 - 5.96		7.49 - 6.77
Power Consumption (Rated)		W	1,304 - 1,304		1,499 - 1,499
Power Factor (Rated)		%	95.1 - 95.2		96.2 - 96.2
SEER2 / HSPF2			19.50		9.30
EER2 (Rated)		Btu/h·W	11.50		—
COP2 (Rated)		W/W	—		3.52
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)		
	Gas	in. (mm)	ϕ 1/2 (12.7)		
	Drain	in. (mm)	ϕ 13/16 (20)		
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				FVXS15WVJU9	
Front Panel Color				White (B-272)	
Airflow Rate	H / M / L / SL	cfm	378 / 325 / 275 / 233		417 / 357 / 300 / 251
		m³/min	10.7 / 9.2 / 7.8 / 6.6		11.8 / 10.1 / 8.5 / 7.1
Fan	Type / Speed	Steps	Turbo Fan / 5 Steps, Quiet, Auto		
Air Direction Control				Right, Left, Horizontal, Downward	
Air Filter				Removable, Washable, Mildew Proof	
Running Current (Rated)		A	0.19 - 0.17		0.21 - 0.19
Power Consumption (Rated)		W	27 - 27		34 - 34
Power Factor (Rated)		%	68.3 - 69.1		77.8 - 77.8
Temperature Control				Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	23-5/8 × 27-9/16 × 8-1/4 (600 × 700 × 210)		
Packaged Dimensions (H × W × D)		in. (mm)	27-3/8 × 30-15/16 × 11 (696 × 786 × 280)		
Weight (Mass)		lbs (kg)	31 (14)		
Gross Weight (Gross Mass)		lbs (kg)	38 (17)		
Sound Pressure Level	H / M / L / SL	dB(A)	44 / 40 / 36 / 32		45 / 40 / 36 / 32
Outdoor Unit				RXL15WMVJU9	
Casing Color				Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		
Fan Motor	Motor Output	HP	0.12		
	Type		Hermetically Sealed Swing Type		
Compressor	Model		2YC36PXD		
	Type		FVC50K		
Refrigerant Oil	Charge	oz (L)	21.98 (0.650)		
	Type		R-410A		
Refrigerant	Charge	lbs (kg)	3.20 (1.45)		
	Airflow Rate	cfm (m³/min)	2,044 (57.9)		2,044 (57.9)
Fan	Type		Propeller		
Running Current (Rated)		A	6.40 - 5.79		7.28 - 6.58
Power Consumption (Rated)		W	1,277 - 1,277		1,465 - 1,465
Power Factor (Rated)		%	95.9 - 95.9		96.7 - 96.8
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)	119 (54)		
Sound Pressure Level		dB(A)	50		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)
	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.				3D143142A	
Note(s)				SL: The quiet fan level of the airflow rate setting.	

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

Model			Indoor Unit		FDMQ12WVJU9		FDMQ18WVJU9			
			Outdoor Unit		RXL12WMVJU9		RXL18WMVJU9			
			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	10,800 (6,500 - 12,400)		12,500 (6,300 - 17,000)		17,600 (9,000 - 19,600)		21,600 (9,000 - 25,000)	
Running Current (Rated)		A	5.90 - 5.34		5.93 - 5.36		8.79 - 7.95		10.50 - 9.50	
Power Consumption (Rated)		W	1,213 - 1,213		1,221 - 1,221		1,760 - 1,760		2,110 - 2,110	
Power Factor (Rated)		%	98.8 - 98.8		99.0 - 99.0		96.3 - 96.2		96.6 - 96.6	
SEER2 / HSPF2			14.60		8.90		15.20		8.50	
EER2 (Rated)		Btu/h-W	8.90		—		10.00		—	
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 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)	65-5/8 (20)				98-1/2 (30)			
Max. Interunit Height Difference		ft (m)	49-1/4 (15)				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)				0.32 (30)			
Indoor Unit			FDMQ12WVJU9				FDMQ18WVJU9			
Heat Exchanger	Rows × Stages, Fin per Inch		3 × 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	371 / 318 / 261		371 / 318 / 261		614 / 523 / 431		614 / 523 / 431	
		m³/min	10.5 / 9.0 / 7.4		10.5 / 9.0 / 7.4		17.4 / 14.8 / 12.2		17.4 / 14.8 / 12.2	
Fan Motor	H / M / L	rpm	1,089 / 930 / 771		1,089 / 930 / 771		1,023 / 870 / 717		1,023 / 870 / 717	
	Motor Output	HP	0.17				0.31			
Fan	Type		Sirocco Fan				Sirocco Fan			
External Static Pressure	inH ₂ O		Standard 0.20 (0.60 - 0.12)				Standard 0.20 (0.60 - 0.20)			
	Pa		Standard 50 (150 - 30)				Standard 50 (150 - 50)			
Running Current (Rated)		A	0.44 - 0.40		0.44 - 0.40		0.69 - 0.62		0.69 - 0.62	
Power Consumption (Rated)		W	89 - 89		89 - 89		131 - 131		131 - 131	
Power Factor (Rated)		%	97.0 - 97.6		97.0 - 97.6		91.2 - 92.2		91.2 - 92.2	
Temperature Control			Microcomputer Control				Microcomputer Control			
Dimensions (H × W × D)		in. (mm)	9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)				9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)			
Packaged Dimensions (H × W × D)		in. (mm)	11-9/16 × 35-3/8 × 34-7/8 (293 × 899 × 886)				11-9/16 × 47-3/16 × 34-7/8 (293 × 1,199 × 886)			
Weight (Mass)		lbs (kg)	64 (29)				82 (37)			
Gross Weight (Gross Mass)		lbs (kg)	71 (32)				88 (40)			
Sound Pressure Level		dB(A)	33		33		35		35	
Remote Controller (Option)	Wired		BRC1E73				BRC1E73			
	Wireless		BRC082A43				BRC082A43			
Outdoor Unit			RXL12WMVJU9				RXL18WMVJU9			
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	0.04				0.16			
Compressor	Type		Hermetically Sealed Swing Type				Hermetically Sealed Swing Type			
	Model		2YC36PXD				2YC63AAXD			
Refrigerant Oil	Type		FVC50K				FVC50K			
	Charge	oz (L)	21.98 (0.650)				30.43 (0.900)			
Refrigerant	Type		R-410A				R-410A			
	Charge	lbs (kg)	2.09 (0.95)				3.53 (1.60)			
Airflow Rate		cfm (m³/min)	1,144 (32.4)		1,031 (29.2)		2,419 (68.5)		2,362 (66.9)	
Fan	Type		Propeller				Propeller			
Running Current (Rated)		A	5.46 - 4.94		5.49 - 4.96		8.10 - 7.33		9.81 - 8.88	
Power Consumption (Rated)		W	1,124 - 1,124		1,132 - 1,132		1,629 - 1,629		1,979 - 1,979	
Power Factor (Rated)		%	99.0 - 98.9		99.1 - 99.2		96.7 - 96.6		97.0 - 96.9	
Dimensions (H × W × D)		in. (mm)	21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)				28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)			
Packaged Dimensions (H × W × D)		in. (mm)	23-13/16 × 31-7/16 × 14-11/16 (605 × 798 × 373)				31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)			
Weight (Mass)		lbs (kg)	73 (33)				132 (60)			
Gross Weight (Gross Mass)		lbs (kg)	78 (35)				142 (65)			
Sound Pressure Level		dB(A)	50		50		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: 3D143347				3D143347			
Note(s)			SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 13 (FDMQ12WVJU9), 11 (FDMQ18WVJU9) 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 = m ³ /min $\times$ 35.3

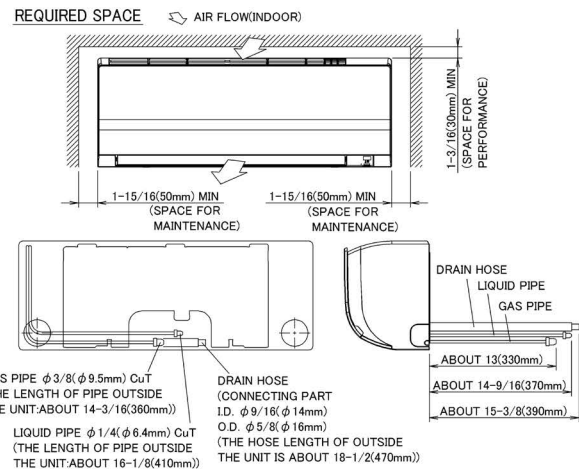
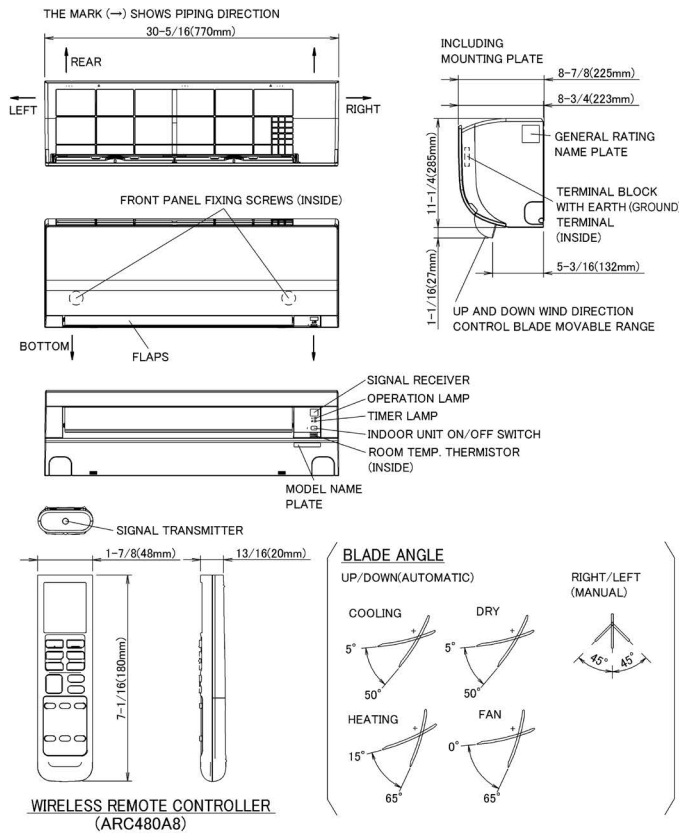
Model		Indoor Unit		FDMQ24WVJU9	
		Outdoor Unit		RXL24WMVJU9	
				Cooling	Heating
Power Supply				1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	21,200 (9,000 - 23,000)		24,000 (9,000 - 27,600)
Running Current (Rated)		A	10.74 - 9.71		11.41 - 10.32
Power Consumption (Rated)		W	2,208 - 2,208		2,345 - 2,345
Power Factor (Rated)		%	98.8 - 98.9		98.8 - 98.8
SEER2 / HSPF2			15.20		8.40
EER2 (Rated)		Btu/h·W	9.60		—
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)	0.32 (30)		
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	inH₂O		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			40		40
Remote Controller (Option)	Wired		BRC1E73		
	Wireless		BRC082A43		
Outdoor Unit				RXL24WMVJU9	
Casing Color				Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		
Fan Motor	Motor Output	HP	0.16		
Compressor	Type		Hermetically Sealed Swing Type		
	Model		2YC63AAXD		
Refrigerant Oil	Type		FVC50K		
	Charge	oz (L)	30.43 (0.900)		
Refrigerant	Type		R-410A		
	Charge	lbs (kg)	3.53 (1.60)		
Airflow Rate		cfm (m³/min)	2,419 (68.5)		2,362 (66.9)
Fan	Type		Propeller		
Running Current (Rated)	A		9.92 - 8.97		10.59 - 9.58
Power Consumption (Rated)	W		2,041 - 2,041		2,178 - 2,178
Power Factor (Rated)	%		98.9 - 98.9		98.9 - 98.8
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)	132 (60)		
Gross Weight (Gross Mass)		lbs (kg)	142 (65)		
Sound Pressure Level			55		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)
	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.				3D143347	
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

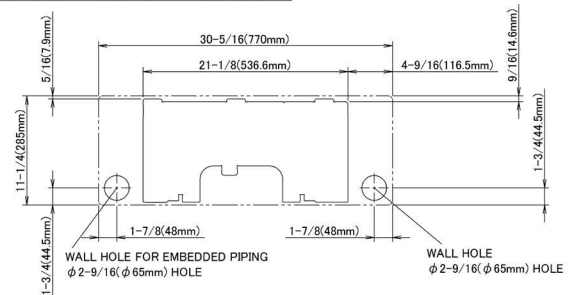
kcal/h = kW $\times$ 860
Btu/h = kW $\times$ 3412
cfm = m³/min $\times$ 35.3

4. Dimensions

4.1 Indoor Unit FTX09/12WMVJU9

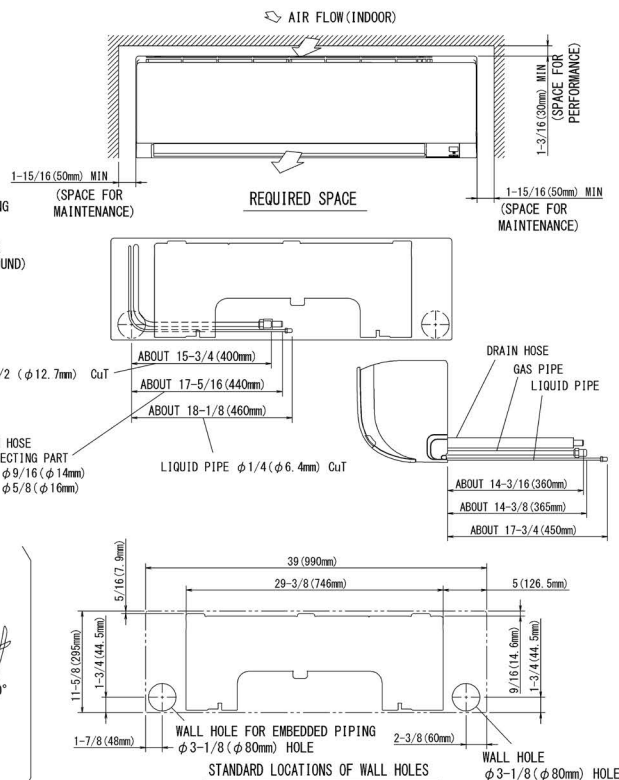
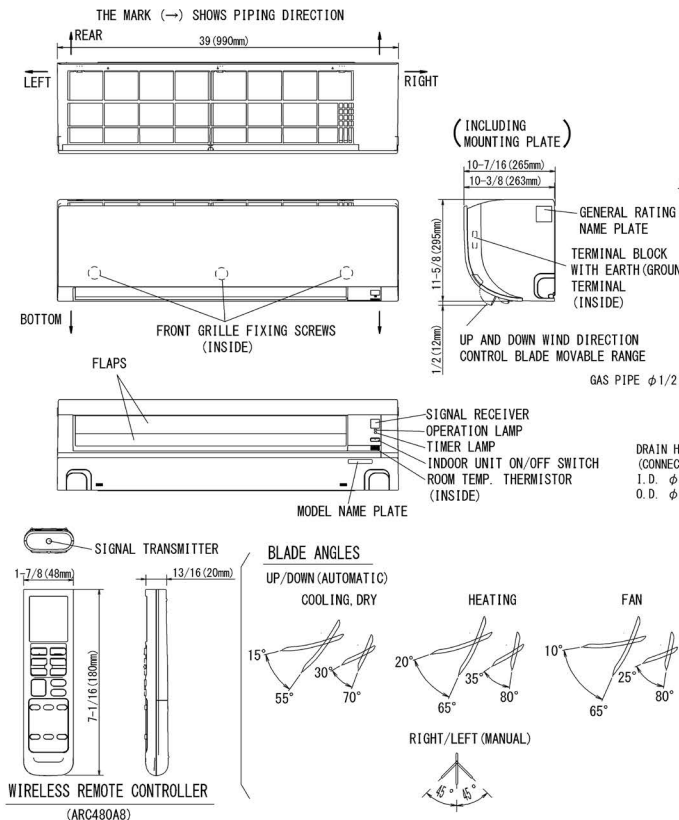


STANDARD LOCATIONS OF WALL HOLES



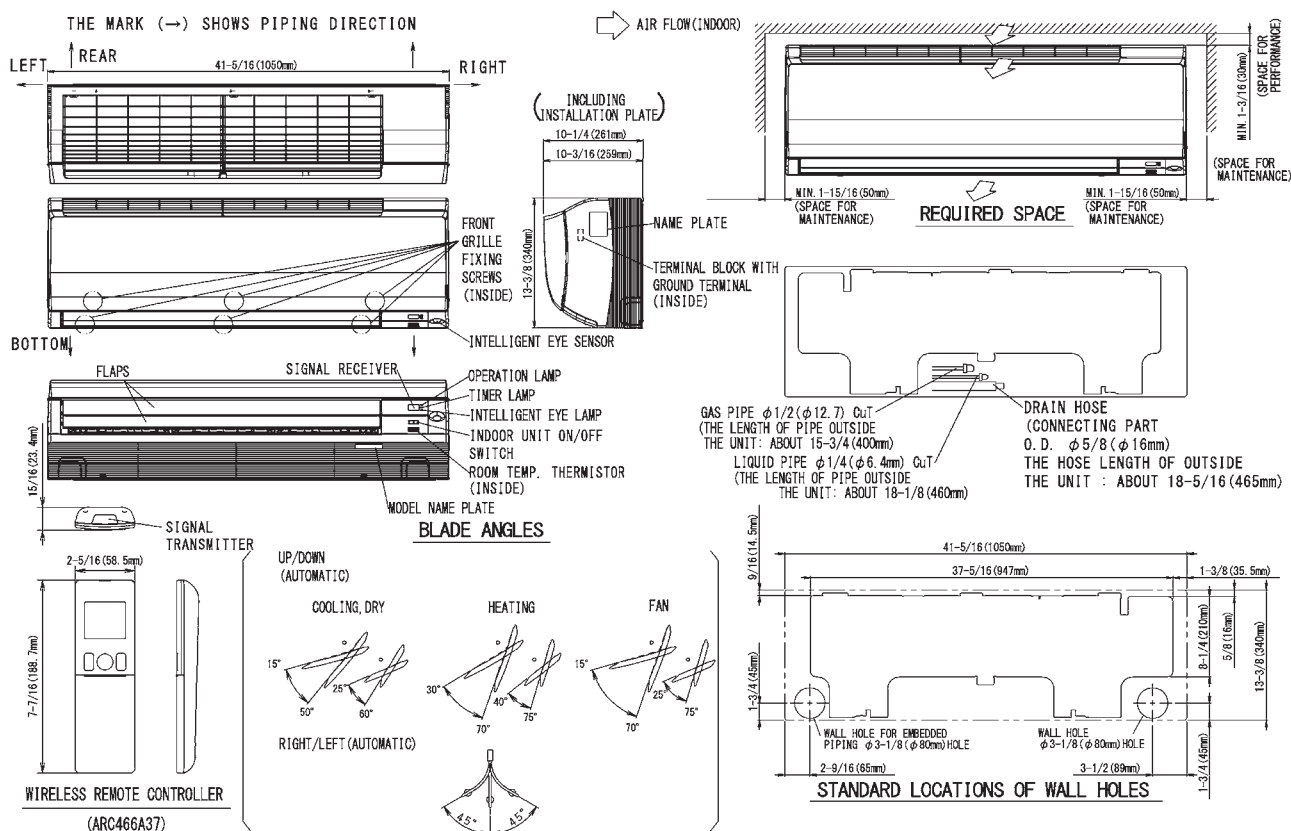
C: 3D091702A

FTX15WMVJU9

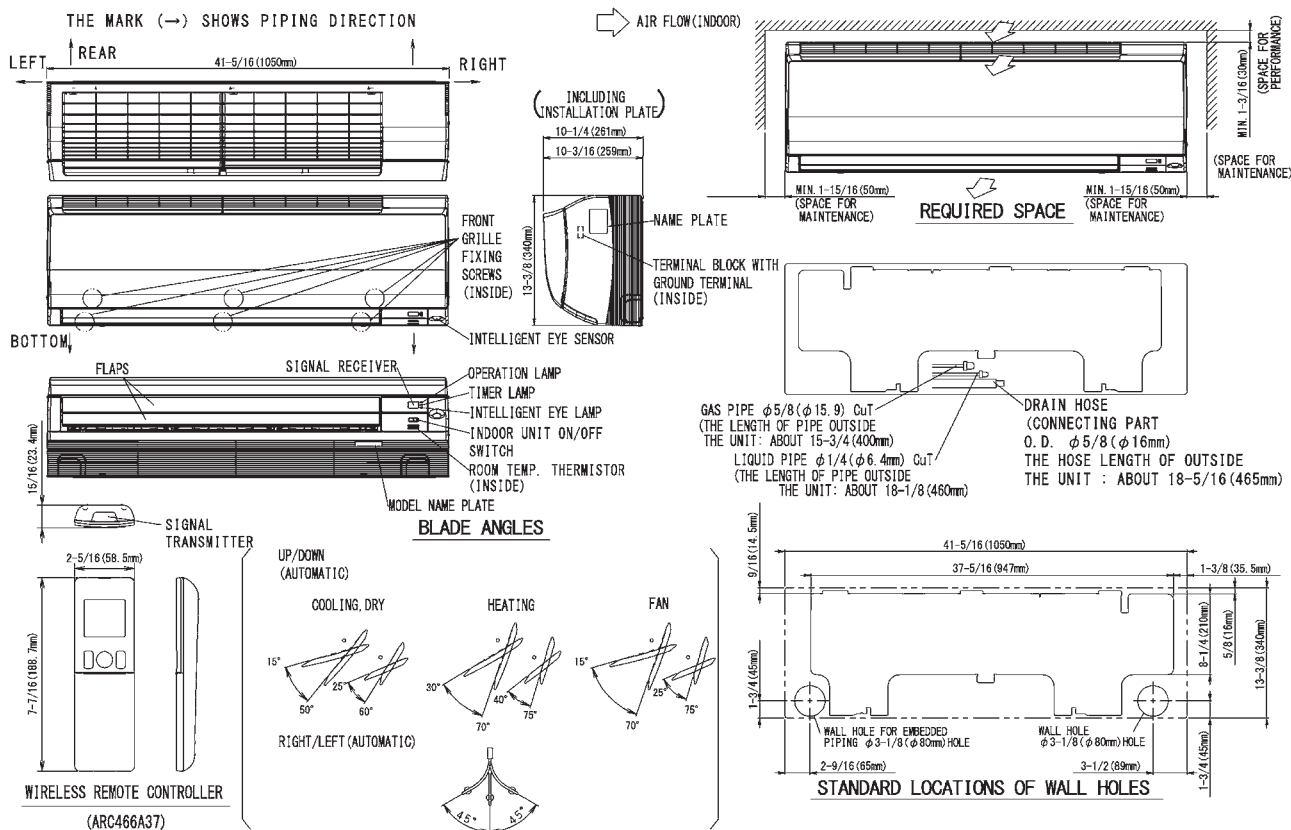


3D091779C

FTX24WVJU9

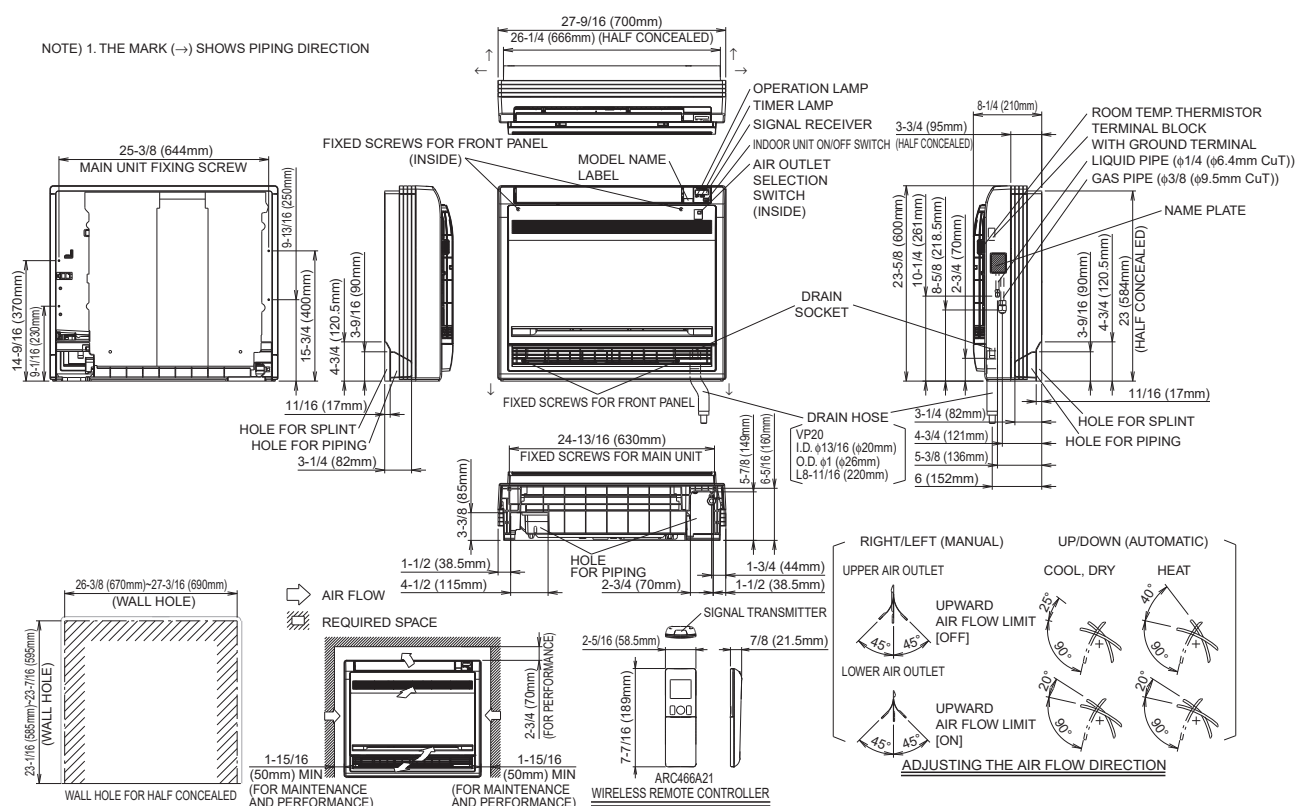


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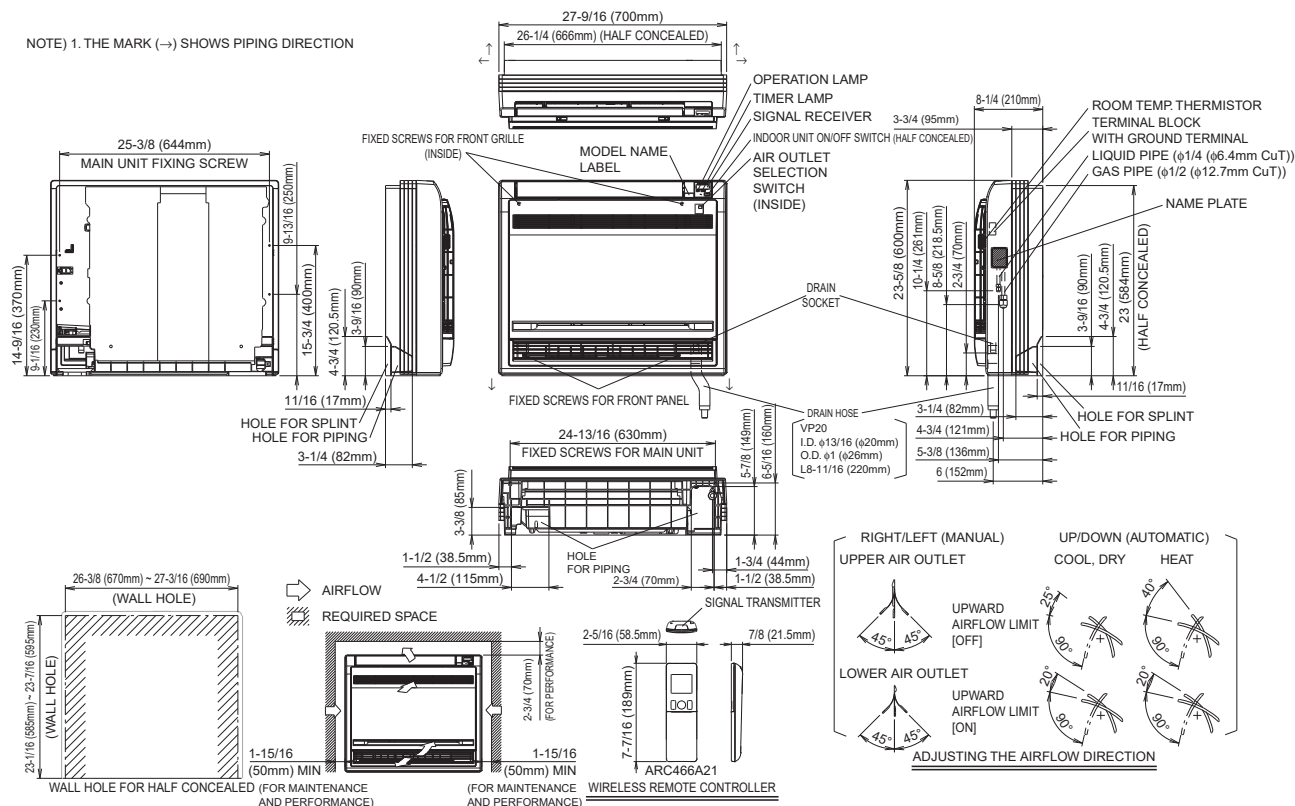
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FVXS09/12WVJU9



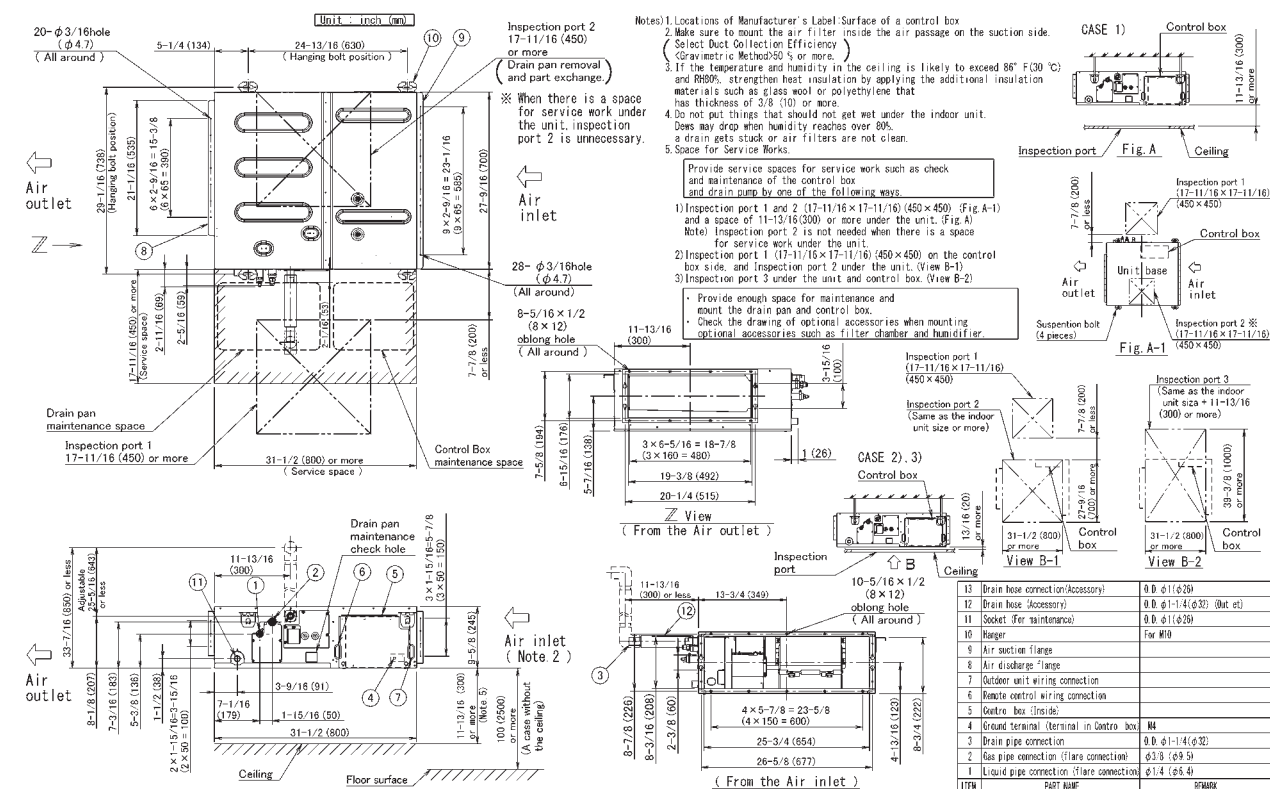
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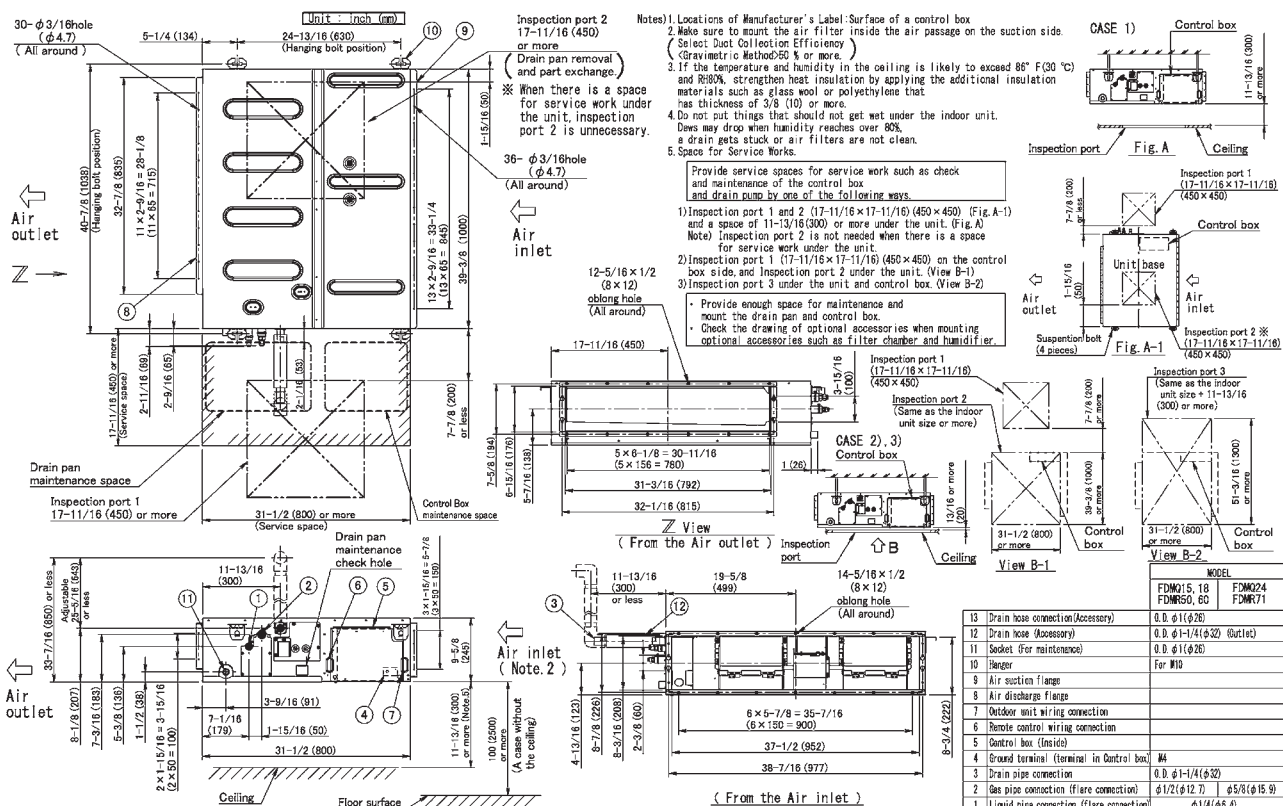
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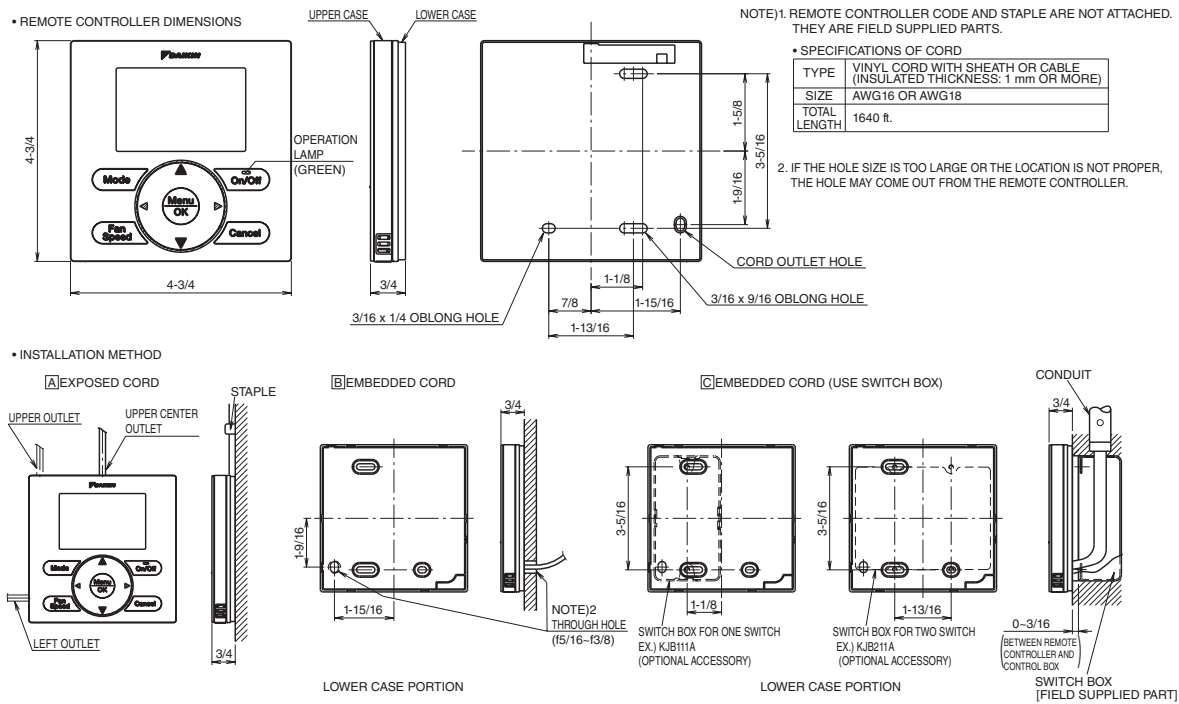
3D112918C

FDMQ18/24WVJU9



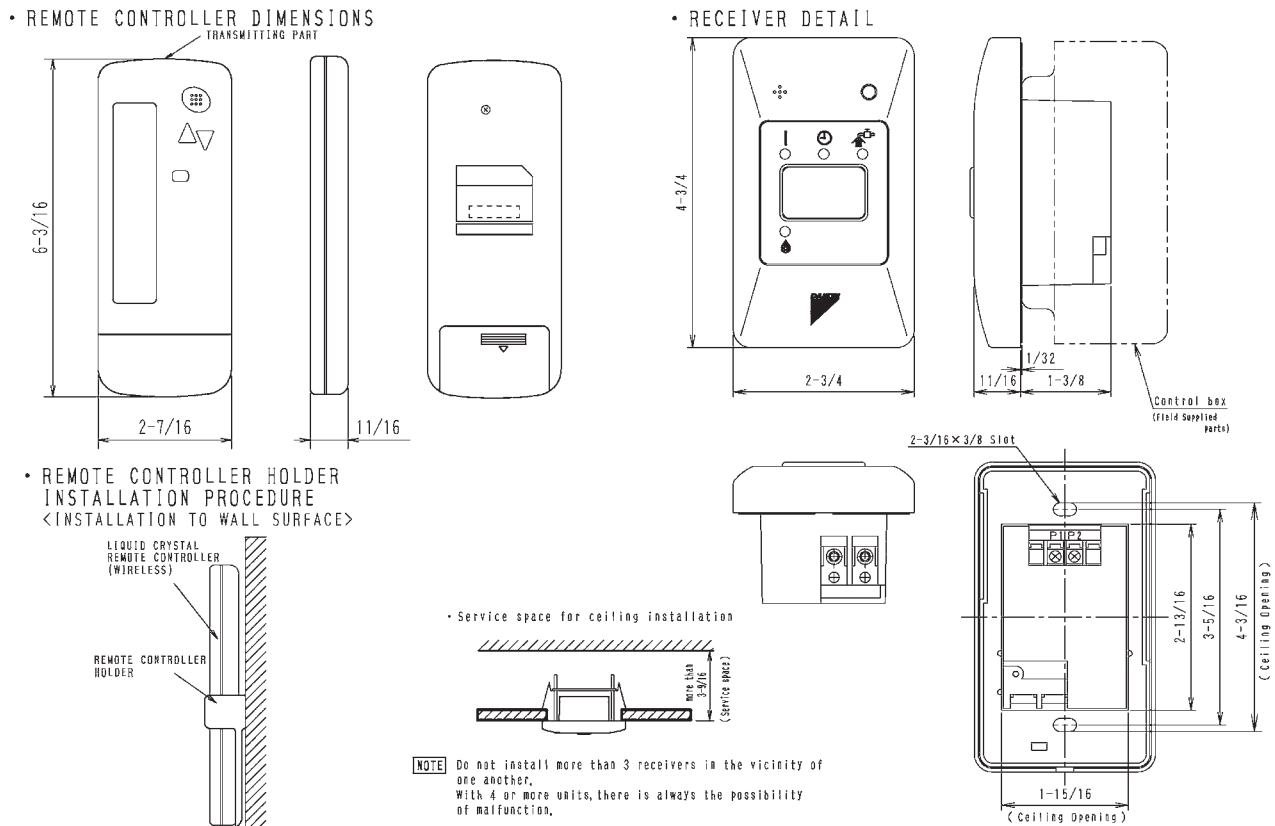
3D112919B

BRC1E73 — Wired Remote Controller (Option) —



3D091305A

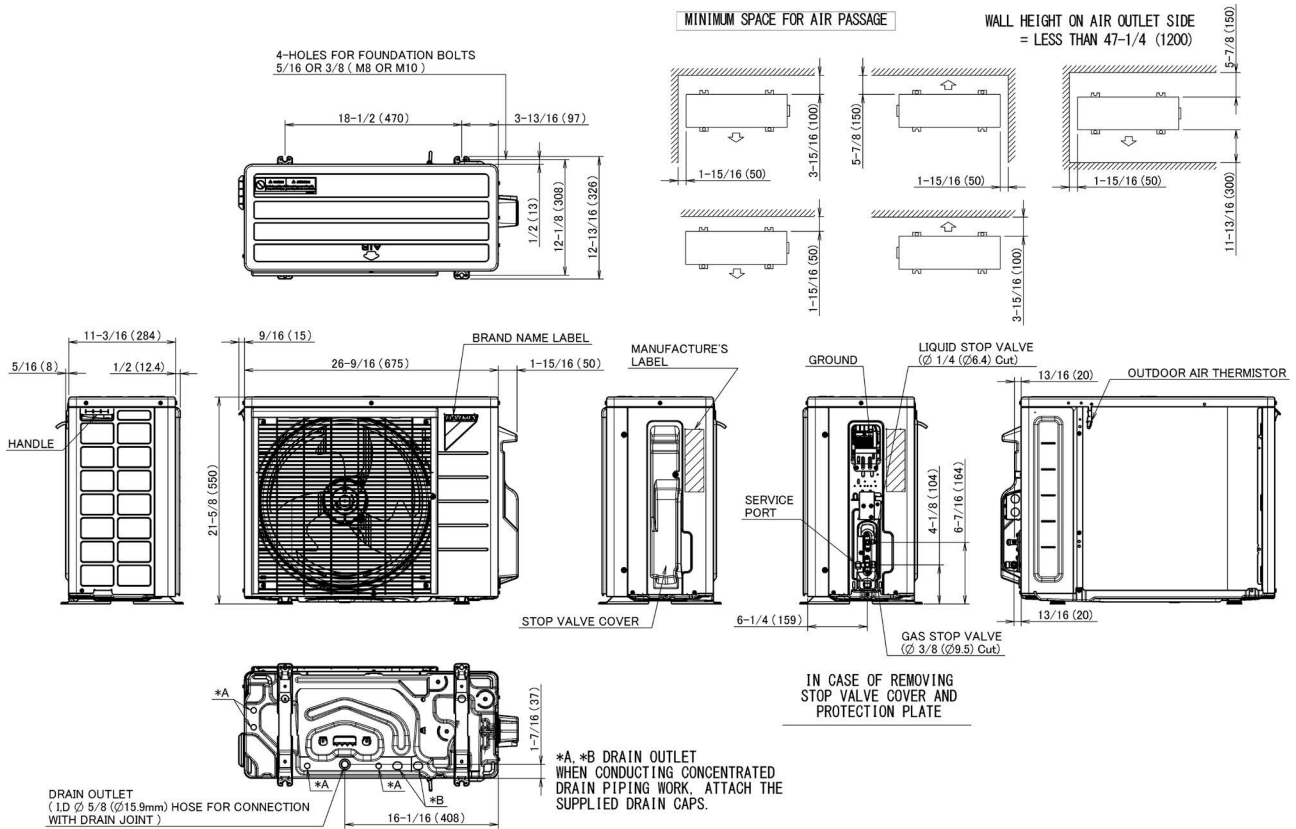
BRC082A43 — Wireless Remote Controller (Option) —



3D049611A

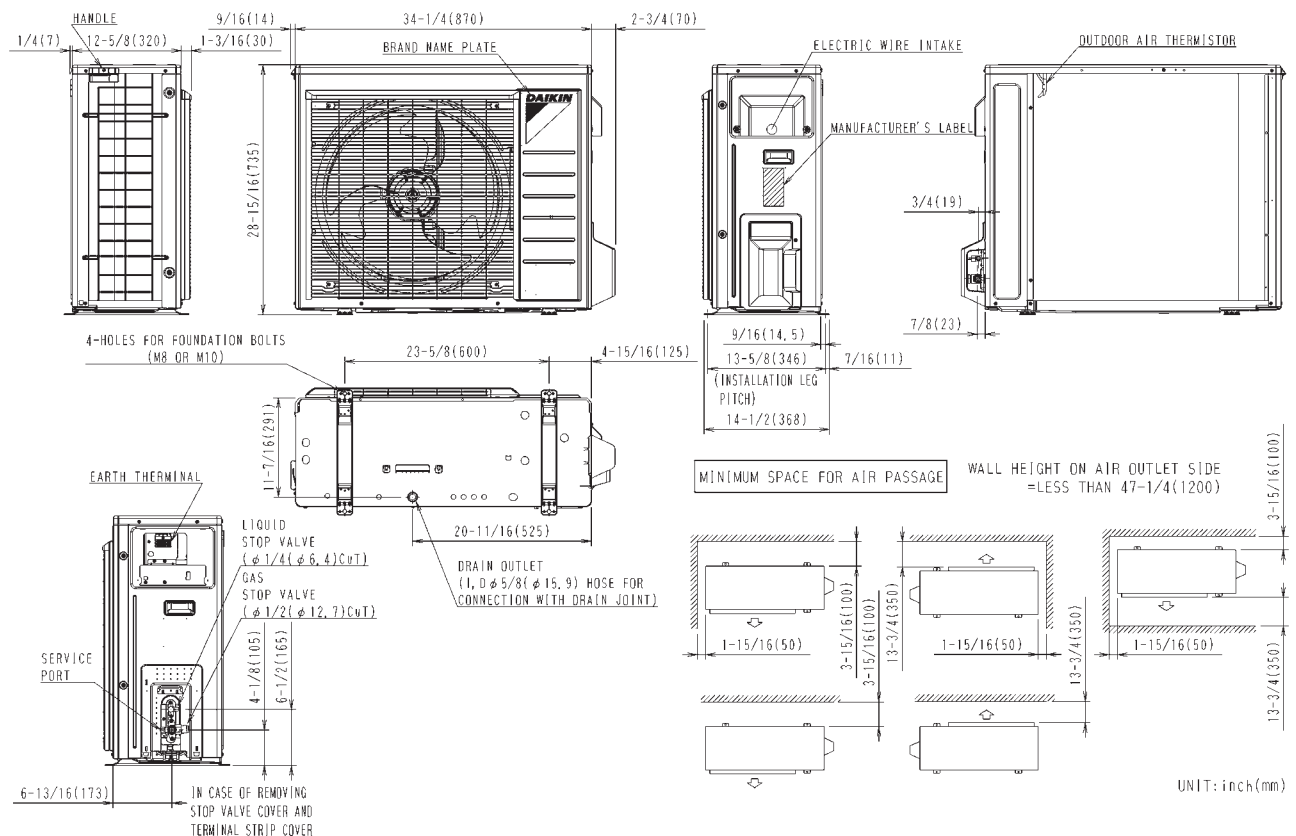
4.2 Outdoor Unit

RXL09/12WMVJU9



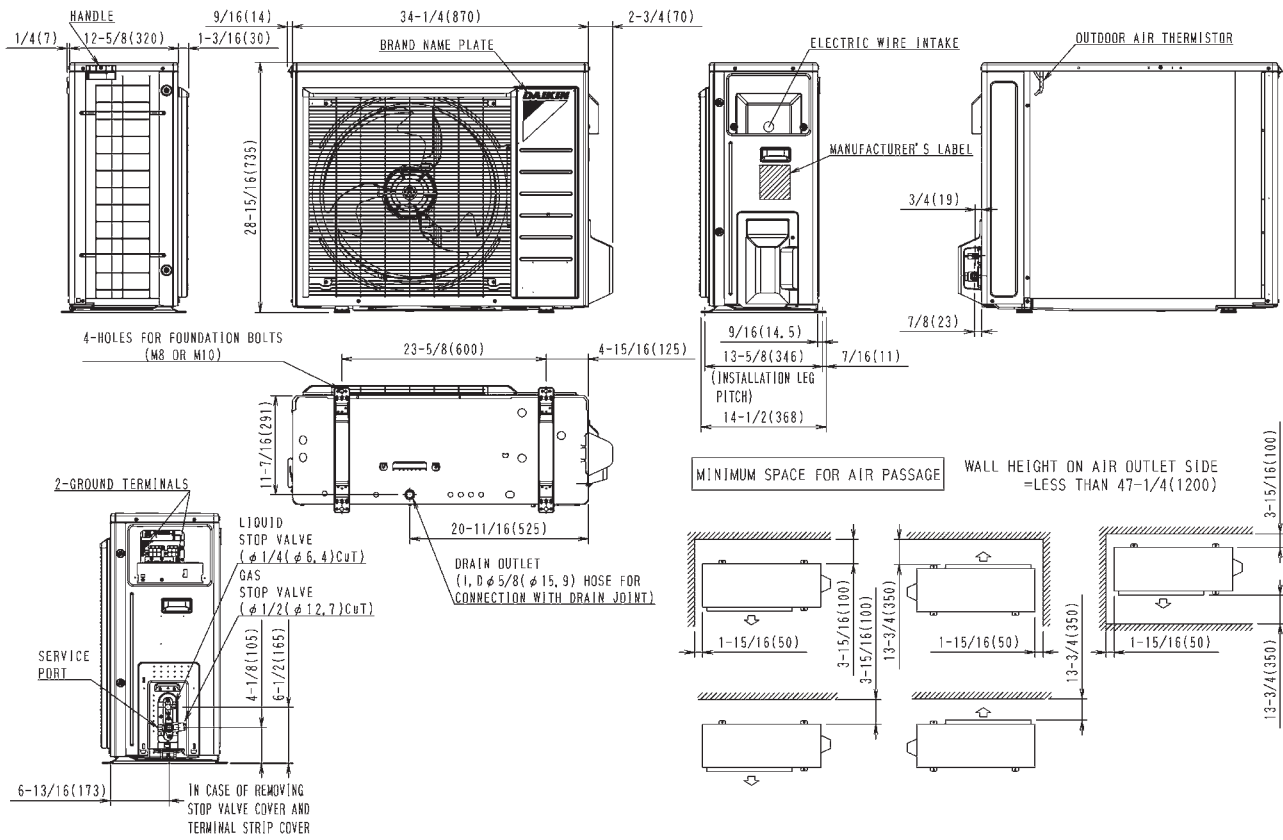
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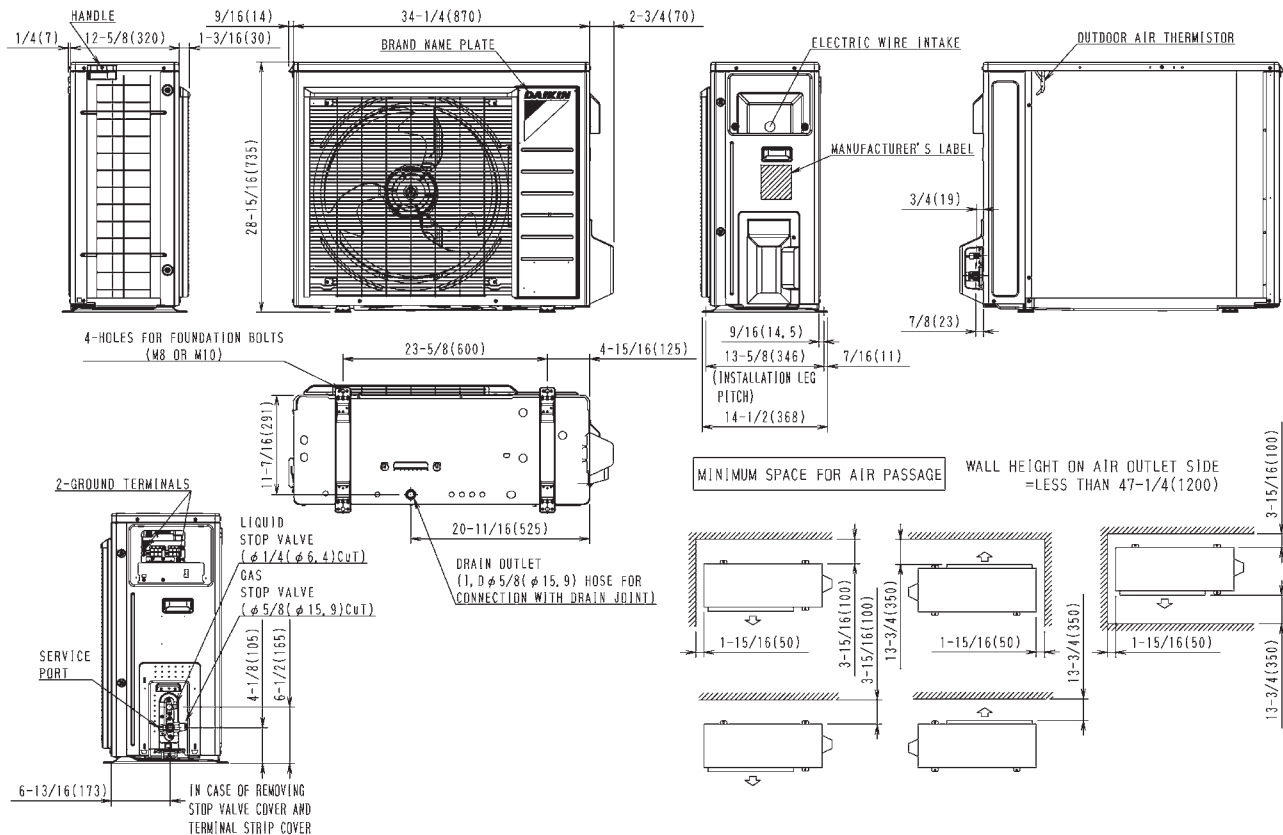
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RXL18WMVJU9



3D123362

RXL24WMVJU9

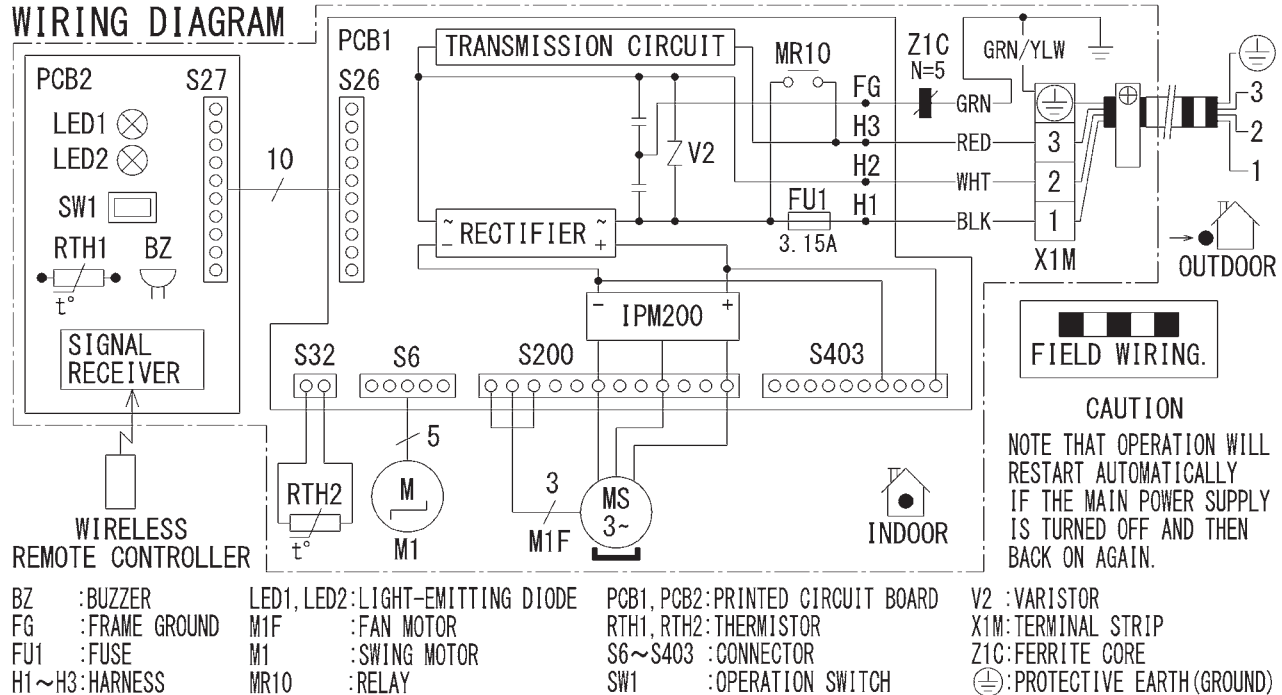


3D107983A

5. Wiring Diagrams

5.1 Indoor Unit FTX09/12WMVJU9

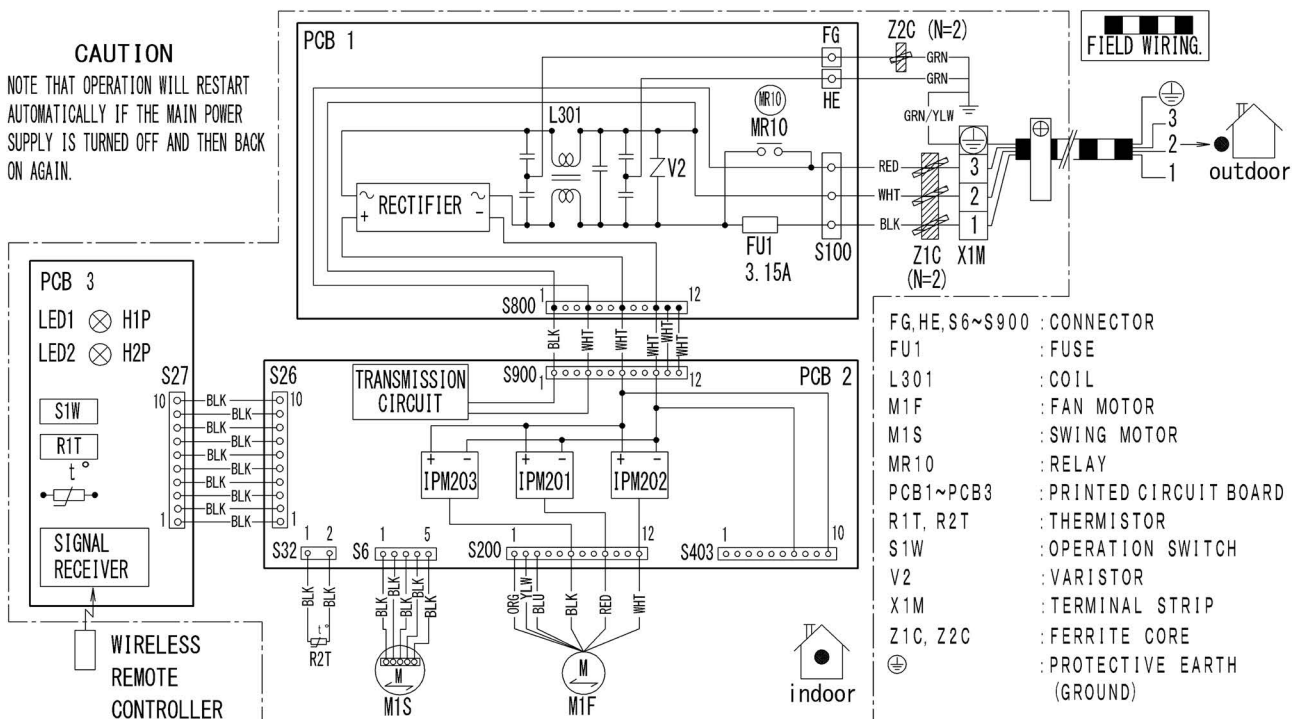
WIRING DIAGRAM



3D142895A

FTX15WMVJU9

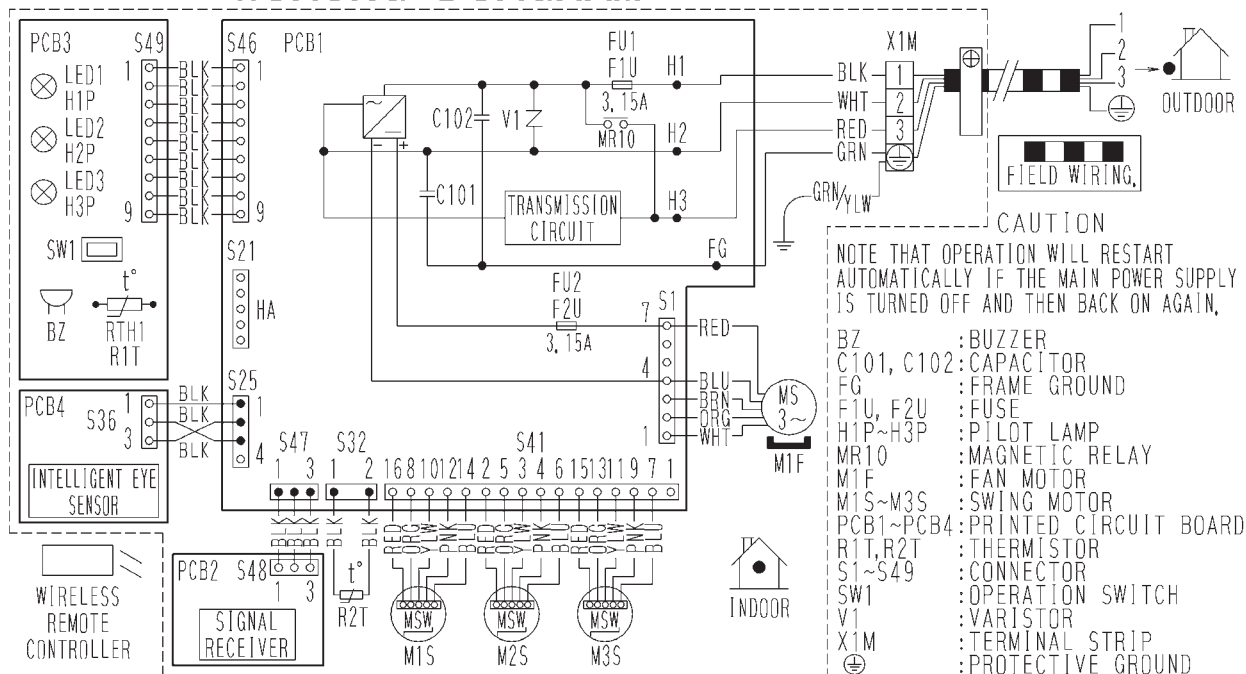
WIRING DIAGRAM



3D090199C

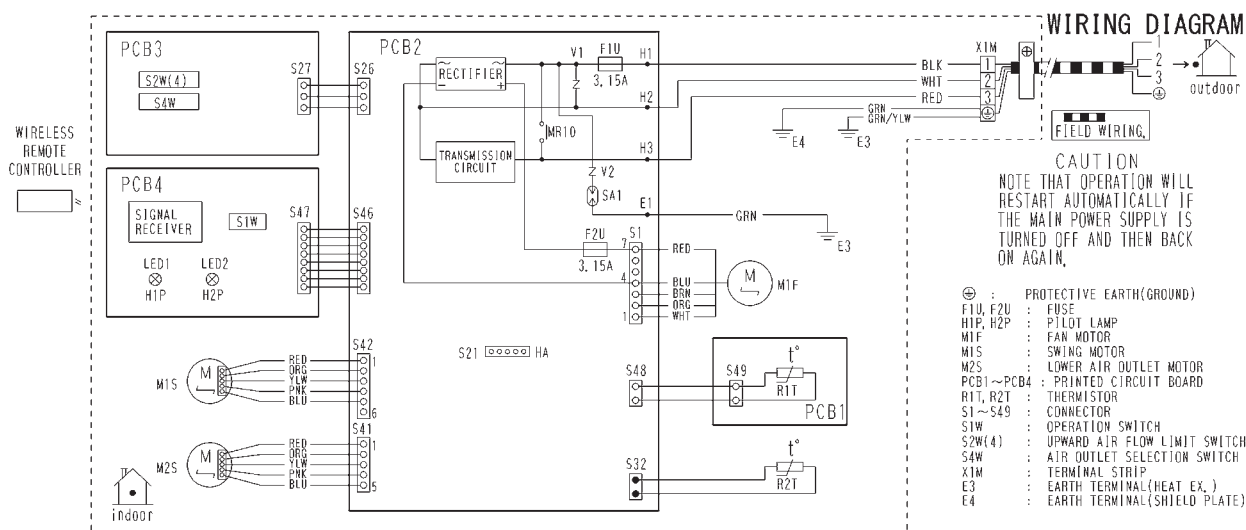
FTX18/24WVJU9

WIRING DIAGRAM



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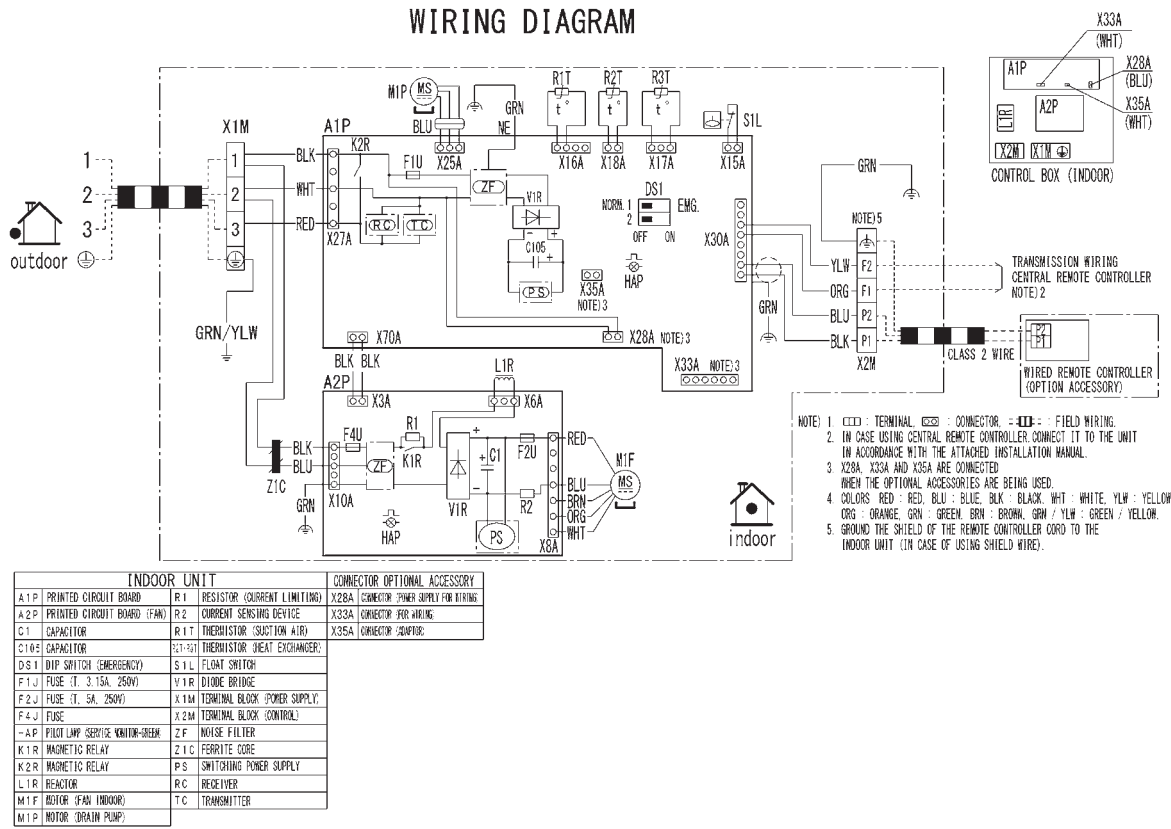
FVXS09/12/15WVJU9



3D090604C

FDMQ12/18/24WVJU9

WIRING DIAGRAM

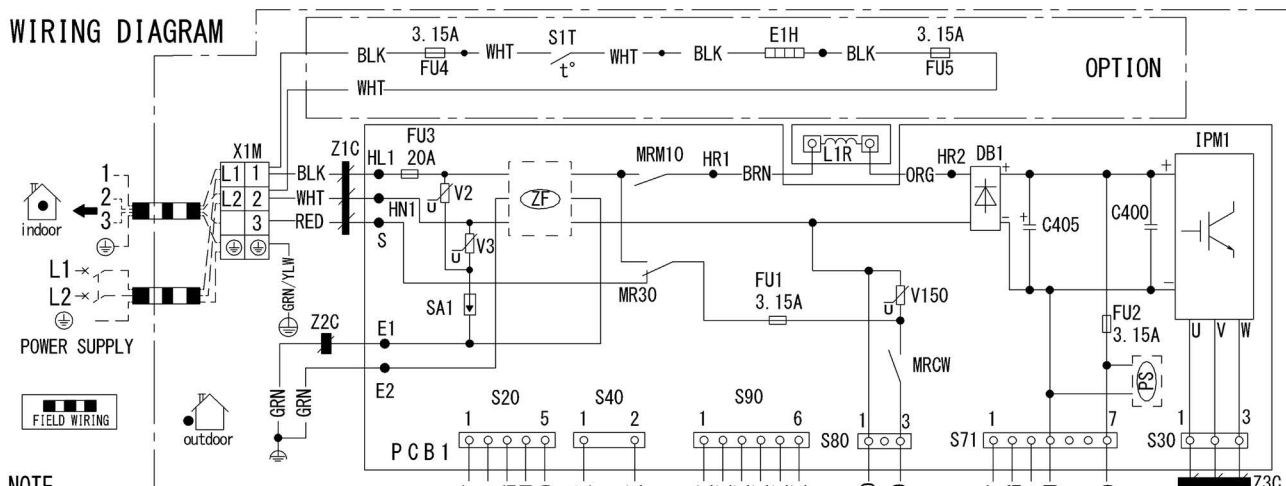


3D112629B

5.2 Outdoor Unit

RXL09WMVJU9

WIRING DIAGRAM



NOTE

1. REFER TO THE NAMEPLATE FOR THE POWER REQUIREMENTS.

C400, C405 : CAPACITOR
DB1 : DIODE BRIDGE
FU1, FU2, FU3, FU4, FU5 : FUSE
IPM1 : INTELLIGENT POWER MODULE
L1, L2 : LIVE
L1R : REACTOR
M1C : COMPRESSOR MOTOR
M1F : FAN MOTOR
MR30, MRM10, MRCW : MAGNETIC RELAY
PCB1 : PRINTED CIRCUIT BOARD
PS : SWITCHING POWER SUPPLY

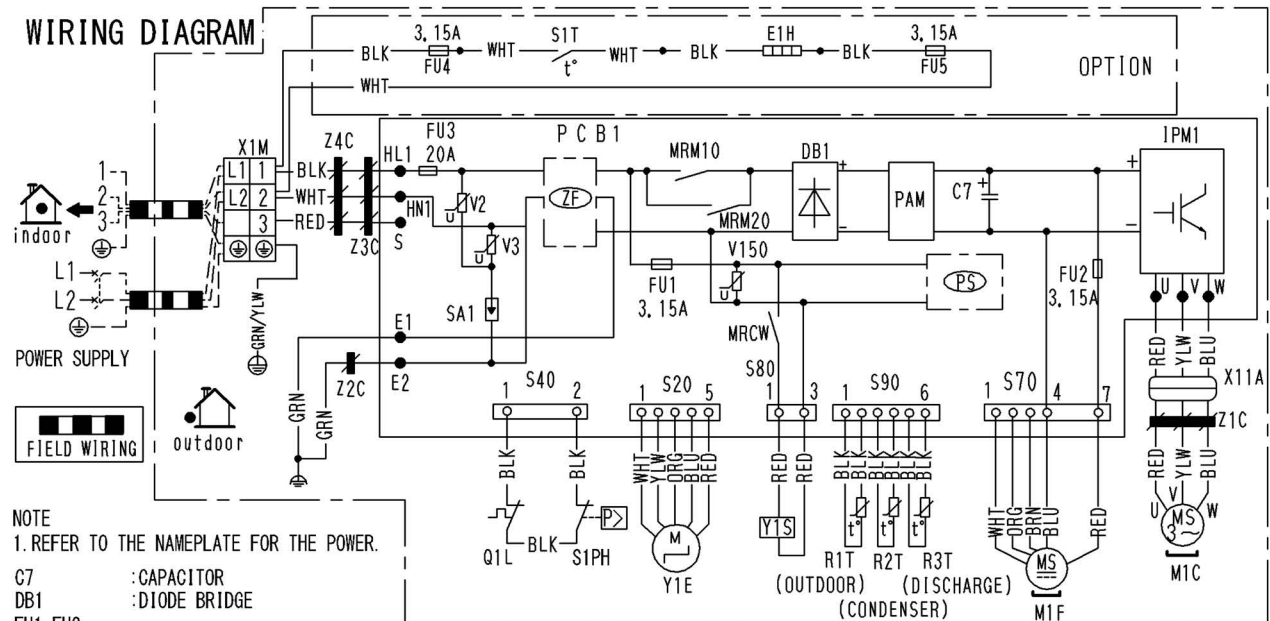
Q1L : OVERLOAD PROTECTOR
R1T, R2T, R3T : THERMISTOR
S1PH : HIGH PRESSURE SWITCH
S20, S30, S40, S71, S80, S90 : CONNECTOR
SA1 : SURGE ARRESTER
V2, V3, V150 : VARISTOR
X1M : TERMINAL BLOCK

Y1E : ELECTRONIC EXPANSION VALVE COIL
Y1S : REVERSING SOLENOID VALVE COIL
Z1C~Z3C : FERRITE CORE
ZF : NOISE FILTER
E1H : HEATER
S1T : THERMOSTAT
⊕ : NOISELESS GROUND
⊙ : PROTECTIVE GROUND

C: 3D134975

RXL12WMVJU9

WIRING DIAGRAM



NOTE

1. REFER TO THE NAMEPLATE FOR THE POWER.

C7 : CAPACITOR
DB1 : DIODE BRIDGE
FU1, FU2, FU3, FU4, FU5 : FUSE
IPM1 : INTELLIGENT POWER MODULE
L1, L2 : LIVE
M1C : COMPRESSOR MOTOR
M1F : FAN MOTOR
MRM10, MRM20, MRCW : MAGNETIC RELAY
PAM : PULSE AMPLITUDE MODULATION

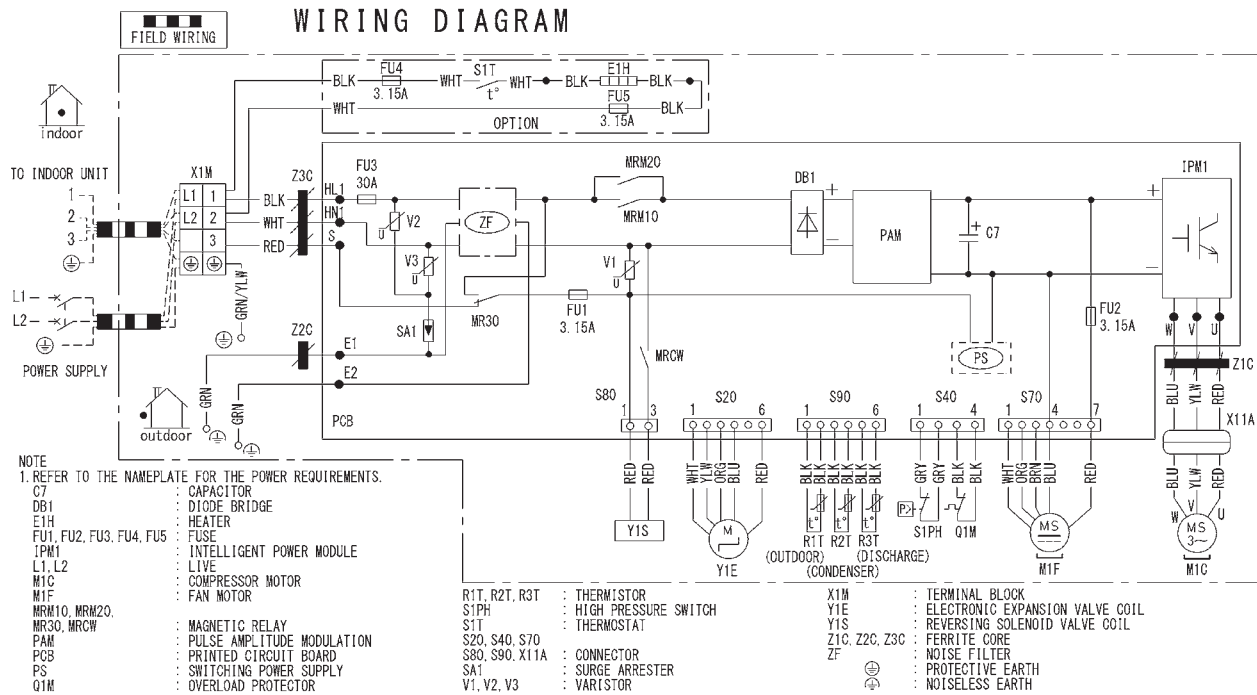
PCB1 : PRINTED CIRCUIT BOARD
PS : SWITCHING POWER SUPPLY
Q1L : OVERLOAD PROTECTOR
R1T, R2T, R3T : THERMISTOR
SA1 : SURGE ARRESTER
S1PH : HIGH PRESSURE SWITCH
S20, S40, S70, S80, S90, X11A : CONNECTOR

V2, V3, V150 : VARISTOR
X1M : TERMINAL BLOCK
Y1E : ELECTRONIC EXPANSION VALVE COIL
Y1S : REVERSING SOLENOID VALVE COIL
Z1C~Z4C : FERRITE CORE
ZF : NOISE FILTER

E1H : HEATER
S1T : THERMOSTAT
⊕ : NOISELESS GROUND
⊙ : PROTECTIVE GROUND

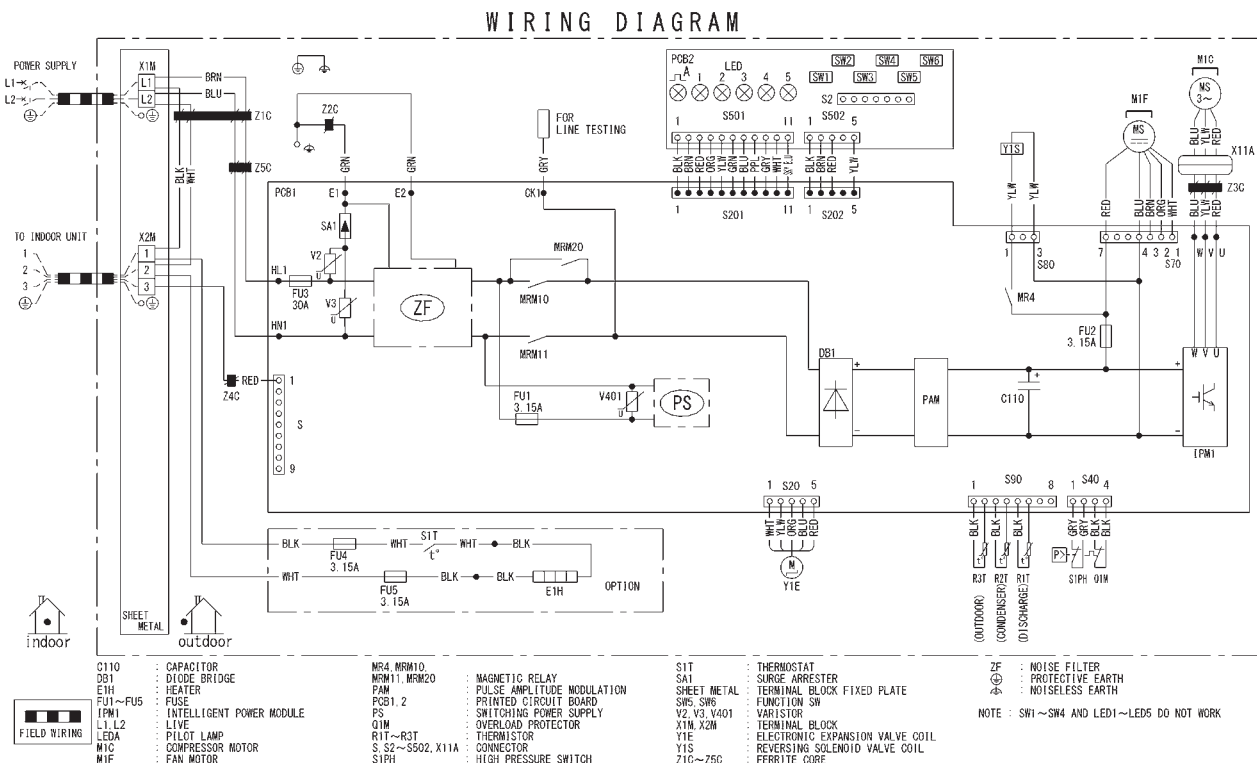
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RXL15WMVJU9



3D141455

RXL18/24WMVJU9

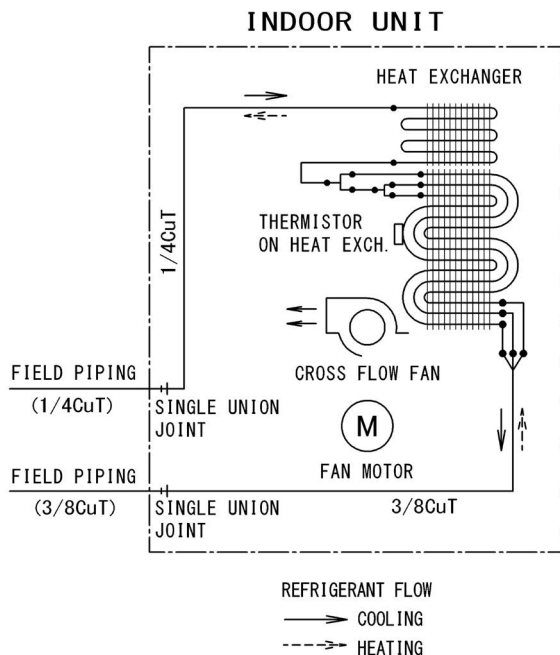


3D141469

6. Piping Diagrams

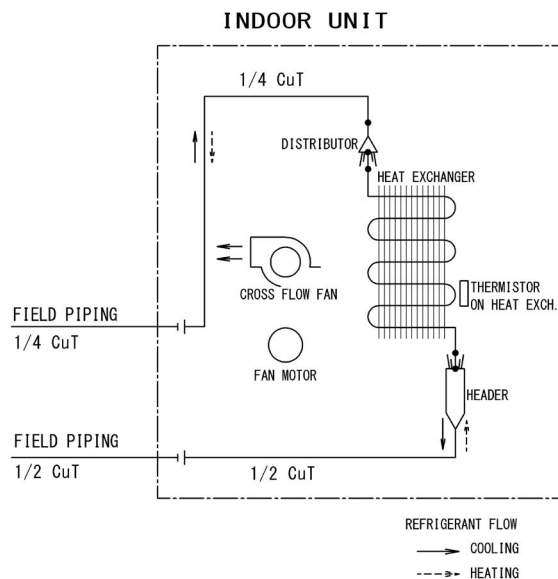
6.1 Indoor Unit

FTX09/12WMVJU9



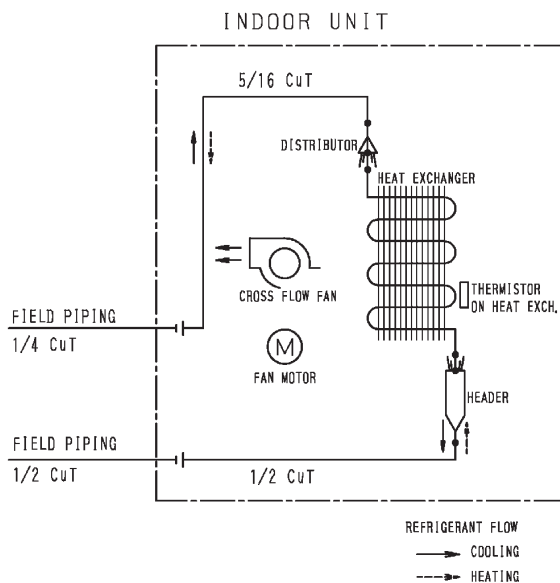
4D091708B

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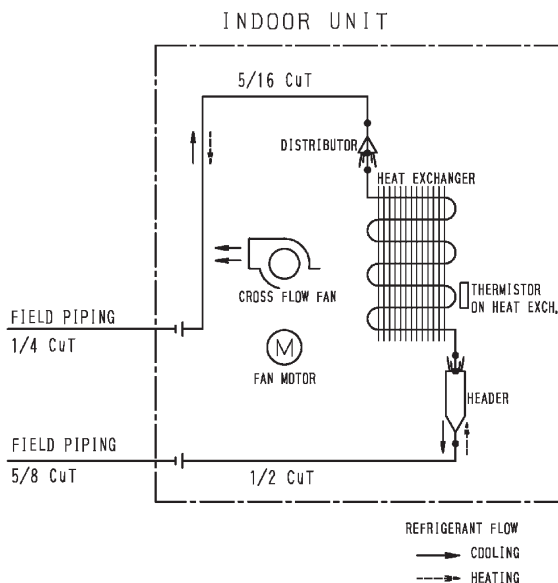
4D091769D

FTX18WVJU9



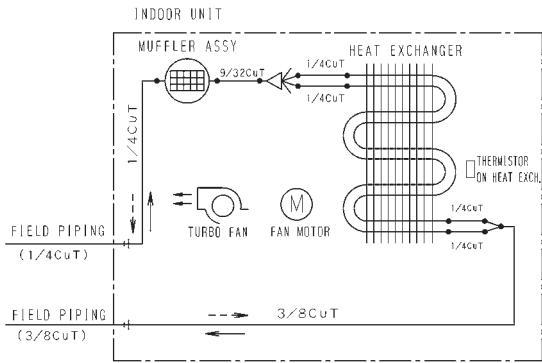
4D074609A

FTX24WVJU9



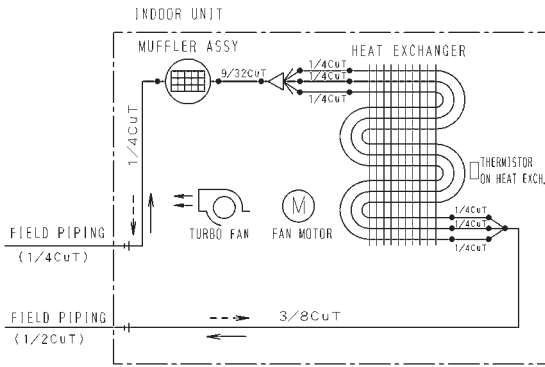
4D074608A

FVXS09/12WVJU9



REFRIGERANT FLOW
→ COOLING
--- HEATING

FVXS15WVJU9

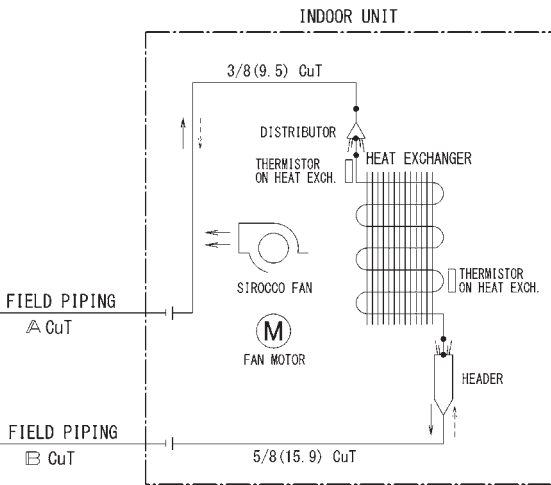


REFRIGERANT FLOW
→ COOLING
--- HEATING

4D091794A

4D091795B

FDMQ12/18/24WVJU9

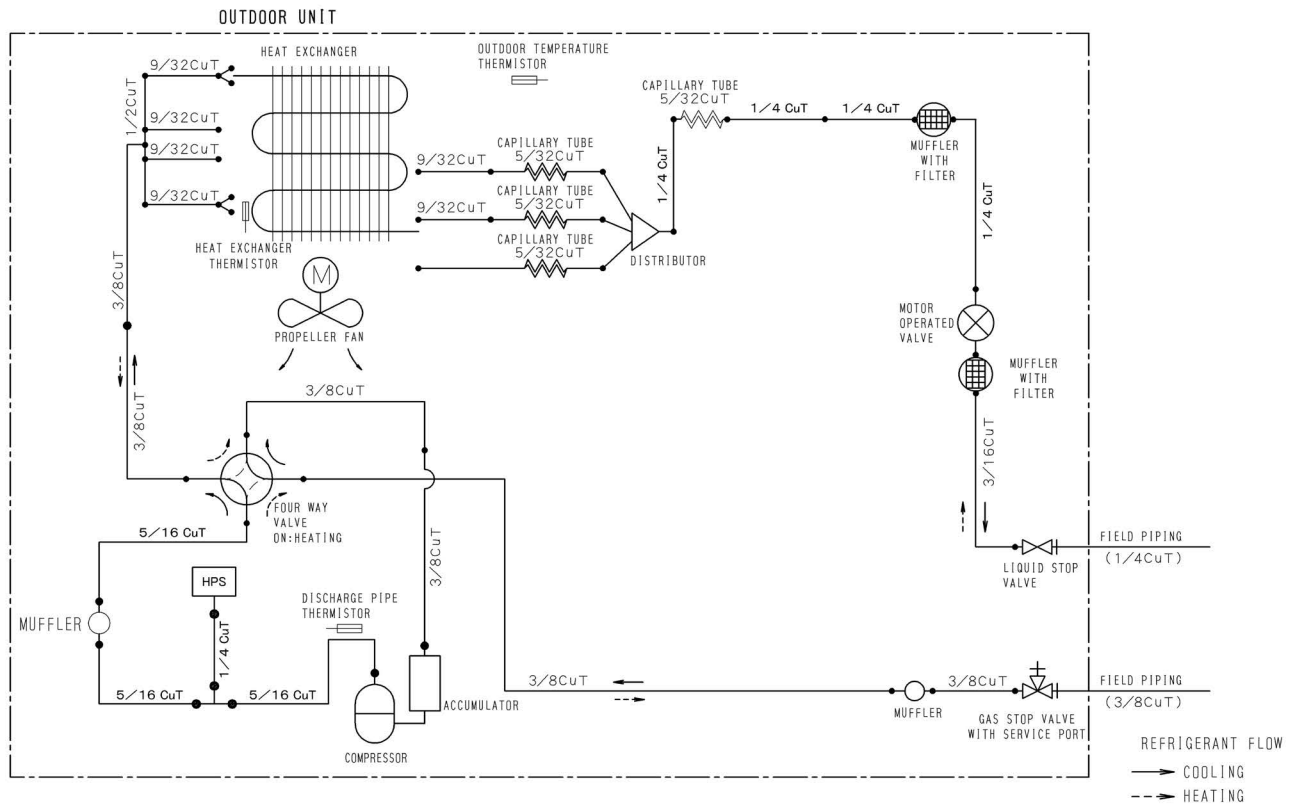


MODEL	A	B
FDM012	1/4 (6.4)	3/8 (9.5)
FDM018	1/4 (6.4)	1/2 (12.7)
FDM024	1/4 (6.4)	5/8 (15.9)

REFRIGERANT FLOW
→ COOLING
--- HEATING

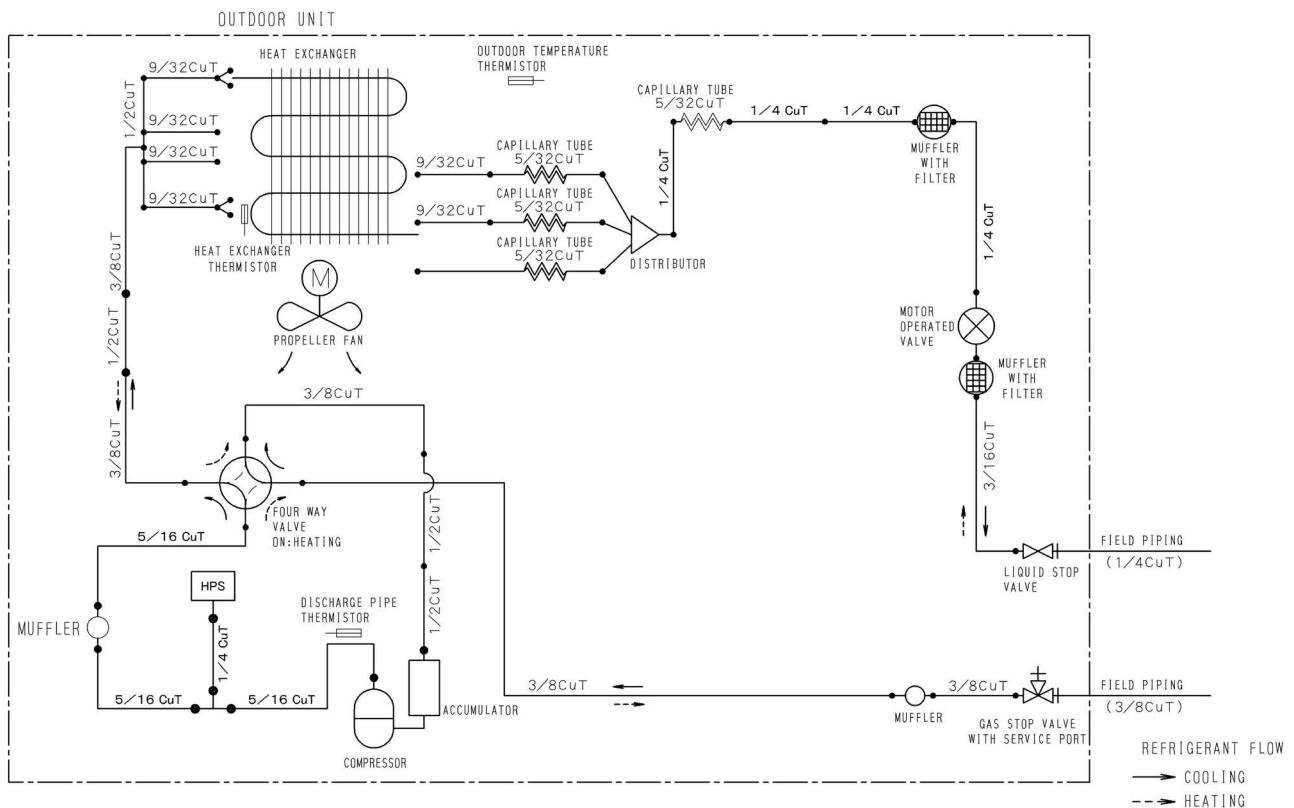
6.2 Outdoor Unit

RXL09WMVJU9



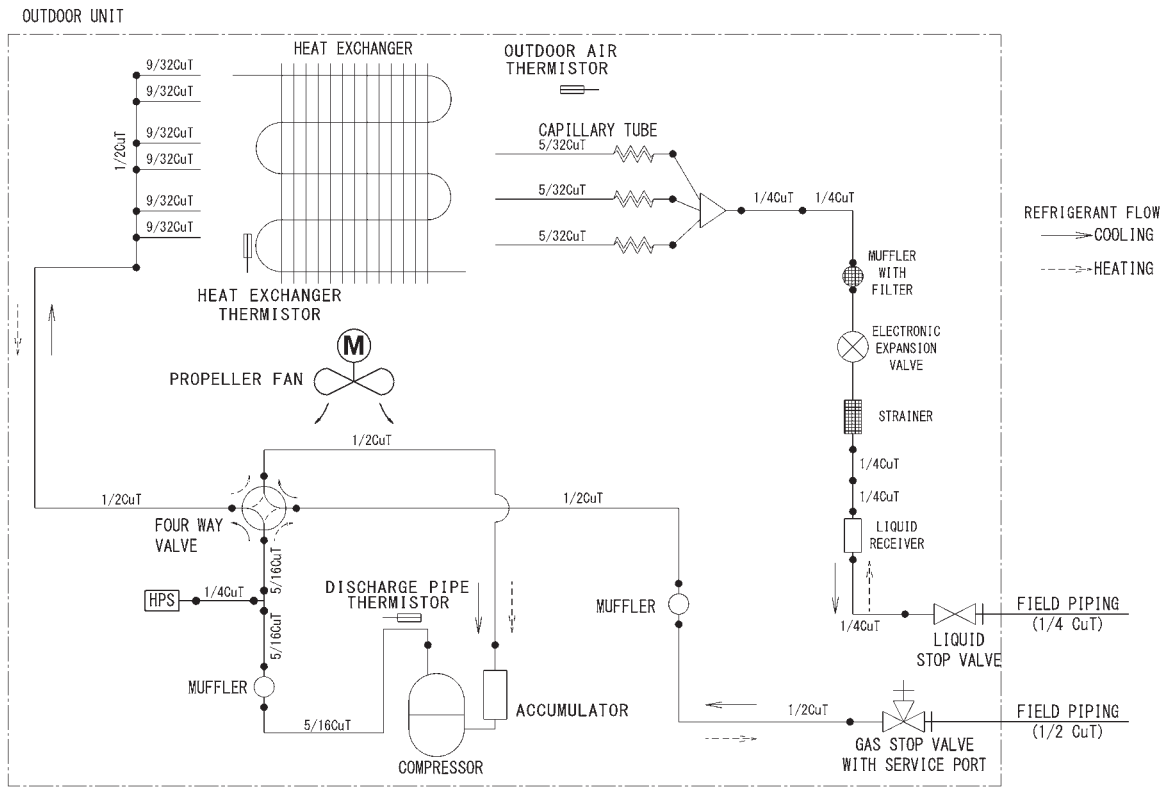
3D135015

RXL12WMVJU9



3D135016

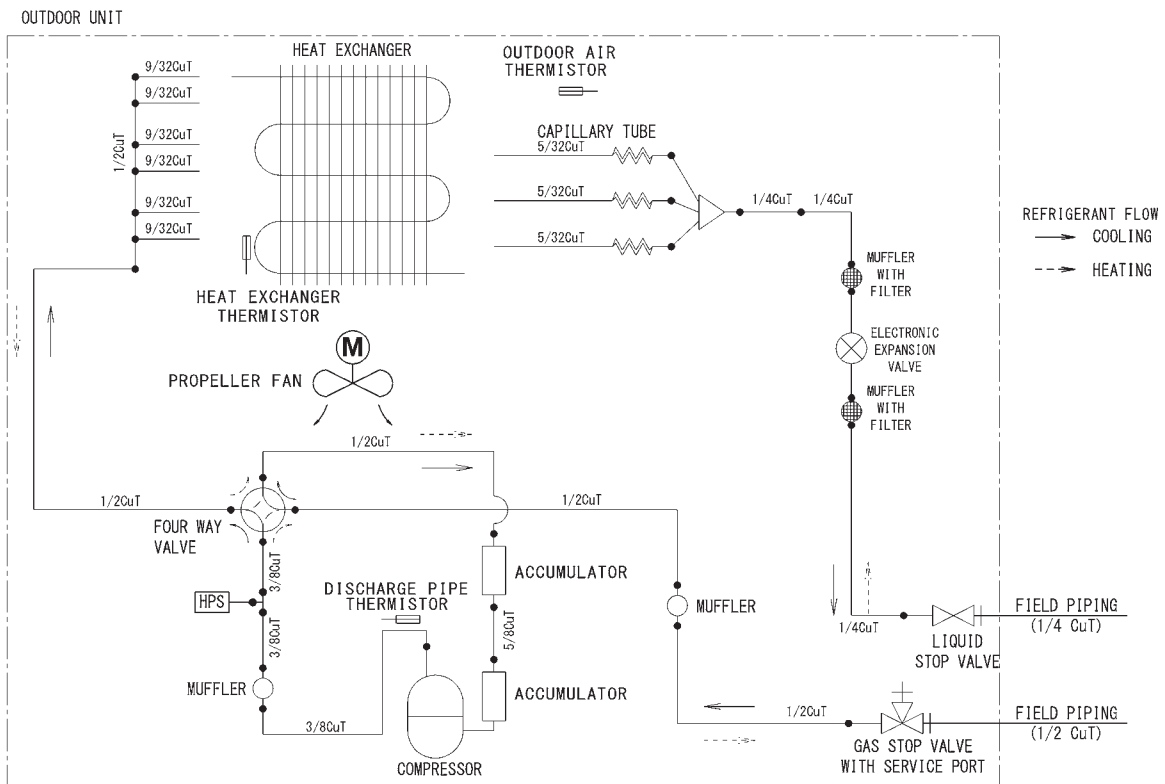
RXL15WMVJU9



unit:inch

3D141505

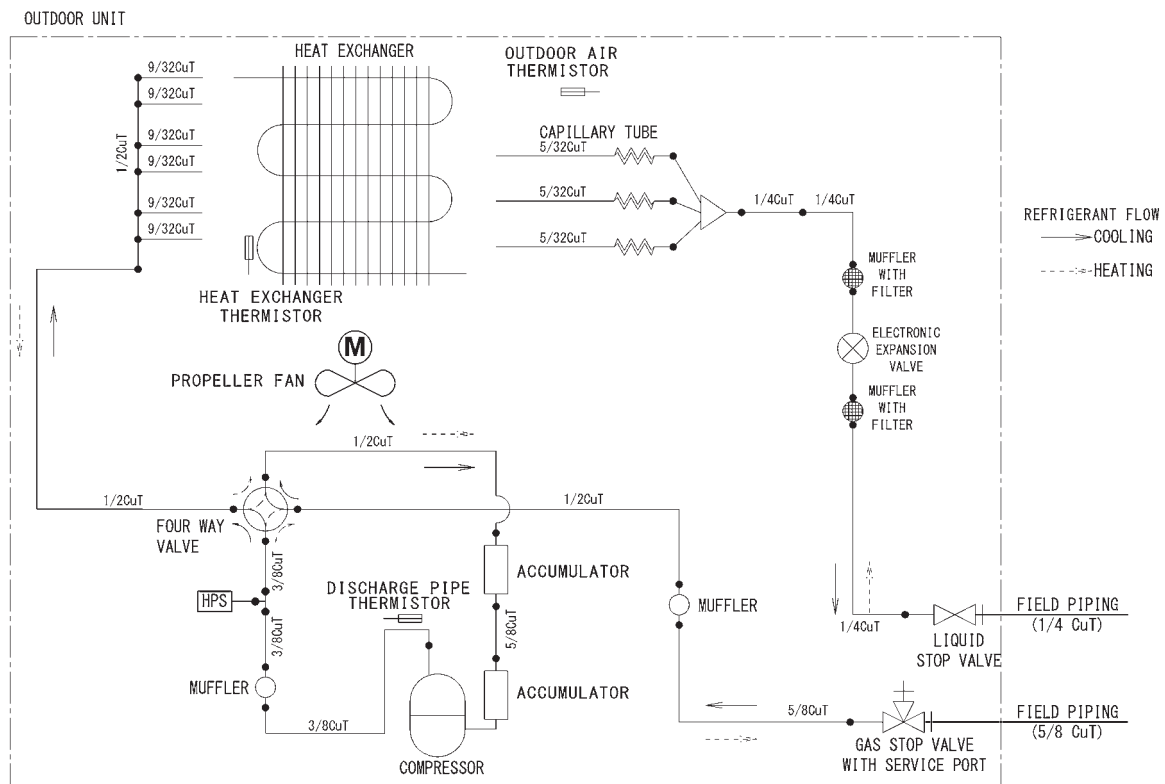
RXL18WMVJU9



unit:inch

3D141506

RXL24WMVJU9



unit: inch

3D141503

7. Capacity Tables

FTX09WMVJU9 + RXL09WMVJU9

Cooling (60 Hz, 208 V)

AFR	11.8
BF	0.22

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	2.95	2.38	0.48	2.70	2.27	0.60	2.46	2.15	0.72	2.34	2.10	0.77	2.21	2.04	0.83	2.07	1.97	0.90
16.0	22.0	3.07	2.34	0.49	2.83	2.23	0.60	2.58	2.12	0.72	2.46	2.07	0.78	2.33	2.02	0.83	2.19	1.96	0.90
18.0	25.0	3.19	2.47	0.49	2.95	2.37	0.61	2.70	2.27	0.72	2.58	2.22	0.78	2.46	2.18	0.84	2.31	2.12	0.91
19.4	26.7	3.25	2.63	0.49	3.01	2.54	0.61	2.76	2.44	0.72	2.64	2.39	0.78	2.52	2.35	0.84	2.37	2.29	0.91
22.0	30.0	3.44	2.54	0.50	3.19	2.46	0.61	2.95	2.37	0.73	2.82	2.33	0.79	2.70	2.29	0.84	2.55	2.24	0.91
24.0	32.0	3.56	2.48	0.62	3.31	2.41	0.62	3.07	2.33	0.73	2.94	2.29	0.79	2.82	2.25	0.85	2.67	2.21	0.92

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	10.07	8.13	0.48	9.23	7.73	0.60	8.39	7.34	0.72	7.97	7.15	0.77	7.55	6.96	0.83	7.05	6.74	0.90
60.8	71.6	10.48	7.98	0.49	9.64	7.61	0.60	8.80	7.24	0.72	8.39	7.06	0.78	7.97	6.89	0.83	7.46	6.68	0.90
64.4	77.0	10.90	8.44	0.49	10.06	8.09	0.61	9.22	7.76	0.72	8.80	7.59	0.78	8.38	7.43	0.84	7.88	7.23	0.91
67.0	80.0	11.10	8.98	0.49	10.27	8.65	0.61	9.43	8.33	0.72	9.00	8.17	0.78	9.00	8.01	0.84	8.08	7.82	0.91
71.6	86.0	11.73	8.68	0.50	10.89	8.39	0.61	10.05	8.10	0.73	9.63	7.96	0.79	9.21	7.82	0.84	8.71	7.66	0.91
75.2	89.6	12.14	8.47	0.62	11.30	8.21	0.62	10.46	7.95	0.73	10.05	7.82	0.79	9.63	7.69	0.85	9.12	7.54	0.92

Heating (60 Hz, 208 V)

AFR	11.4
-----	------

Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.17	1.51	2.80	1.54	3.41	1.58	3.75	1.60	4.09	1.62	4.44	1.64	4.86	1.66	5.53	1.80
21.1		1.95	1.56	2.59	1.59	3.20	1.62	3.56	1.64	3.91	1.66	4.27	1.68	4.70	1.70	5.38	1.83
22.0		1.86	1.58	2.47	1.58	2.95	1.50	3.42	1.61	3.84	1.68	4.20	1.69	4.64	1.72	5.32	1.85
24.0		1.62	1.39	2.09	1.30	2.57	1.28	3.04	1.40	3.77	1.69	4.13	1.71	4.57	1.73	5.26	1.86
25.0		1.43	1.20	1.90	1.16	2.38	1.17	2.85	1.30	3.73	1.70	4.10	1.72	4.54	1.74	5.23	1.87
27.0		1.05	0.85	1.52	0.91	2.00	0.96	2.47	1.10	3.42	1.54	4.03	1.73	4.47	1.75	5.16	1.89

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		7.40	1.51	9.55	1.54	11.62	1.58	12.77	1.60	13.94	1.62	15.12	1.64	16.55	1.66	18.83	1.80
70.0		6.63	1.56	8.81	1.59	10.90	1.62	12.11	1.64	13.33	1.66	14.54	1.68	16.00	1.70	18.31	1.83
71.6		6.33	1.58	8.43	1.58	10.05	1.50	11.68	1.61	13.08	1.68	14.31	1.69	15.78	1.72	18.10	1.85
75.2		5.51	1.39	7.14	1.30	8.76	1.28	10.38	1.40	12.84	1.69	14.08	1.71	15.56	1.73	17.89	1.86
77.0		4.87	1.20	6.49	1.16	8.11	1.17	9.73	1.30	12.72	1.70	13.96	1.72	15.45	1.74	17.79	1.87
80.6		3.57	0.85	5.19	0.91	6.81	0.96	8.43	1.10	11.68	1.54	13.73	1.73	15.23	1.75	17.58	1.89

Cooling (60 Hz, 230 V)

AFR	11.8
BF	0.22

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	2.95	2.38	0.48	2.70	2.27	0.60	2.46	2.15	0.72	2.34	2.10	0.77	2.21	2.04	0.83	2.07	1.97	0.90
16.0	22.0	3.07	2.34	0.49	2.83	2.23	0.60	2.58	2.12	0.72	2.46	2.07	0.78	2.33	2.02	0.83	2.19	1.96	0.90
18.0	25.0	3.19	2.47	0.49	2.95	2.37	0.61	2.70	2.27	0.72	2.58	2.22	0.78	2.46	2.18	0.84	2.31	2.12	0.91
19.4	26.7	3.25	2.63	0.49	3.01	2.54	0.61	2.76	2.44	0.72	2.64	2.39	0.78	2.52	2.35	0.84	2.37	2.29	0.91
22.0	30.0	3.44	2.54	0.50	3.19	2.46	0.61	2.95	2.37	0.73	2.82	2.33	0.79	2.70	2.29	0.84	2.55	2.24	0.91
24.0	32.0	3.56	2.48	0.62	3.31	2.41	0.62	3.07	2.33	0.73	2.94	2.29	0.79	2.82	2.25	0.85	2.67	2.21	0.92

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	10.07	8.13	0.48	9.23	7.73	0.60	8.39	7.34	0.72	7.97	7.15	0.77	7.55	6.96	0.83	7.05	6.74	0.90
60.8	71.6	10.48	7.98	0.49	9.64	7.61	0.60	8.80	7.24	0.72	8.39	7.06	0.78	7.97	6.89	0.83	7.46	6.68	0.90
64.4	77.0	10.90	8.44	0.49	10.06	8.09	0.61	9.22	7.76	0.72	8.80	7.59	0.78	8.38	7.43	0.84	7.88	7.23	0.91
67.0	80.0	11.10	8.98	0.49	10.27	8.65	0.61	9.43	8.33	0.72	9.00	8.17	0.78	9.00	8.01	0.84	8.08	7.82	0.91
71.6	86.0	11.73	8.68	0.50	10.89	8.39	0.61	10.05	8.10	0.73	9.63	7.96	0.79	9.21	7.82	0.84	8.71	7.66	0.91
75.2	89.6	12.14	8.47	0.62	11.30	8.21	0.62	10.46	7.95	0.73	10.05	7.82	0.79	9.63	7.69	0.85	9.12	7.54	0.92

Heating (60 Hz, 230 V)

AFR	11.4
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.17	1.51	2.80	1.54	3.41	1.58	3.75	1.60	4.09	1.62	4.44	1.64	4.86	1.66	5.53	1.80
21.1		1.95	1.56	2.59	1.59	3.20	1.62	3.56	1.64	3.91	1.66	4.27	1.68	4.70	1.70	5.38	1.83
22.0		1.86	1.58	2.47	1.58	2.95	1.50	3.42	1.61	3.84	1.68	4.20	1.69	4.64	1.72	5.32	1.85
24.0		1.62	1.39	2.09	1.30	2.57	1.28	3.04	1.40	3.77	1.69	4.13	1.71	4.57	1.73	5.26	1.86
25.0		1.43	1.20	1.90	1.16	2.38	1.17	2.85	1.30	3.73	1.70	4.10	1.72	4.54	1.74	5.23	1.87
27.0		1.05	0.85	1.52	0.91	2.00	0.96	2.47	1.10	3.42	1.54	4.03	1.73	4.47	1.75	5.16	1.89

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		7.40	1.51	9.55	1.54	11.62	1.58	12.77	1.60	13.94	1.62	15.12	1.64	16.55	1.66	18.83	1.80
70.0		6.63	1.56	8.81	1.59	10.90	1.62	12.11	1.64	13.33	1.66	14.54	1.68	16.00	1.70	18.31	1.83
71.6		6.33	1.58	8.43	1.58	10.05	1.50	11.68	1.61	13.08	1.68	14.31	1.69	15.78	1.72	18.10	1.85
75.2		5.51	1.39	7.14	1.30	8.76	1.28	10.38	1.40	12.84	1.69	14.08	1.71	15.56	1.73	17.89	1.86
77.0		4.87	1.20	6.49	1.16	8.11	1.17	9.73	1.30	12.72	1.70	13.96	1.72	15.45	1.74	17.79	1.87
80.6		3.57	0.85	5.19	0.91	6.81	0.96	8.43	1.10	11.68	1.54	13.73	1.73	15.23	1.75	17.58	1.89

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTX12WMVJU9 + RXL12WMVJU9

Cooling (60 Hz, 208 V)

AFR	12.3
BF	0.22

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	3.48	2.68	0.57	3.19	2.54	0.71	2.90	2.40	0.84	2.75	2.33	0.91	2.61	2.26	0.98	2.43	2.18	1.06
16.0	22.0	3.62	2.62	0.57	3.33	2.49	0.71	3.04	2.36	0.85	2.90	2.30	0.91	2.75	2.24	0.98	2.58	2.16	1.06
18.0	25.0	3.76	2.76	0.58	3.47	2.64	0.71	3.18	2.52	0.85	3.04	2.46	0.92	2.89	2.40	0.99	2.72	2.33	1.07
19.4	26.7	3.83	2.92	0.58	3.54	2.80	0.72	3.25	2.69	0.85	3.11	2.63	0.92	2.97	2.58	0.99	2.79	2.51	1.07
22.0	30.0	4.05	2.82	0.59	3.76	2.71	0.72	3.47	2.61	0.86	3.32	2.56	0.93	3.18	2.51	1.00	3.01	2.45	1.08
24.0	32.0	4.19	2.74	0.73	3.90	2.65	0.73	3.61	2.56	0.86	3.47	2.51	0.93	3.32	2.47	1.00	3.15	2.41	1.08

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	11.86	9.13	0.57	10.87	8.65	0.71	9.88	8.19	0.84	9.39	7.95	0.91	8.90	7.73	0.98	8.30	7.45	1.06
60.8	71.6	12.35	8.96	0.57	11.36	8.51	0.71	10.37	8.07	0.85	9.88	7.85	0.91	9.38	7.64	0.98	8.79	7.38	1.06
64.4	77.0	12.84	9.42	0.58	11.85	9.00	0.71	10.86	8.59	0.85	10.37	8.39	0.92	9.87	8.19	0.99	9.28	7.95	1.07
67.0	80.0	13.08	9.97	0.58	12.09	9.57	0.72	11.11	9.18	0.85	10.60	8.98	0.92	10.12	8.79	0.99	9.52	8.56	1.07
71.6	86.0	13.82	9.61	0.59	12.83	9.26	0.72	11.84	8.91	0.86	11.34	8.74	0.93	10.85	8.57	1.00	10.26	8.37	1.08
75.2	89.6	14.30	9.36	0.73	13.32	9.04	0.73	12.33	8.73	0.86	11.83	8.57	0.93	11.34	8.42	1.00	10.75	8.23	1.08

Heating (60 Hz, 208 V)

AFR	11.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-25		-20		-15		-10		-5		0		6	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.85	1.73	3.68	1.77	4.48	1.81	4.75	1.74	5.04	1.68	5.33	1.61	5.69	1.53
21.1		2.56	1.79	3.40	1.82	4.20	1.86	4.51	1.79	4.82	1.72	5.13	1.65	5.50	1.56
22.0		2.31	1.65	3.20	1.77	4.09	1.88	4.41	1.81	4.73	1.74	5.05	1.66	5.42	1.58
24.0		1.92	1.35	2.81	1.53	3.71	1.69	4.31	1.83	4.64	1.75	4.96	1.68	5.35	1.59
25.0		1.72	1.20	2.62	1.41	3.51	1.59	4.27	1.84	4.60	1.76	4.92	1.69	5.31	1.60
27.0		1.33	0.91	2.23	1.18	3.12	1.39	3.90	1.66	4.51	1.78	4.84	1.70	5.23	1.61

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		-13		-4		5		14		23		32		43	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		9.73	1.73	12.55	1.77	15.27	1.81	16.23	1.74	17.21	1.68	18.22	1.61	19.45	1.53
70.0		8.72	1.79	11.58	1.82	14.33	1.86	15.39	1.79	16.46	1.72	17.52	1.65	18.80	1.56
71.6		7.88	1.65	10.93	1.77	13.95	1.88	15.06	1.81	16.16	1.74	17.24	1.66	18.54	1.58
75.2		6.55	1.35	9.60	1.53	12.65	1.69	14.73	1.83	15.85	1.75	16.96	1.68	18.28	1.59
77.0		5.88	1.20	8.93	1.41	11.98	1.59	14.56	1.84	15.70	1.76	16.82	1.69	18.15	1.60
80.6		4.55	0.91	7.60	1.18	10.65	1.39	13.32	1.66	15.40	1.78	16.54	1.70	17.89	1.61

Cooling (60 Hz, 230 V)

AFR	12.3
BF	0.22

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	3.48	2.68	0.57	3.19	2.54	0.71	2.90	2.40	0.84	2.75	2.33	0.91	2.61	2.26	0.98	2.43	2.18	1.06
16.0	22.0	3.62	2.62	0.57	3.33	2.49	0.71	3.04	2.36	0.85	2.90	2.30	0.91	2.75	2.24	0.98	2.58	2.16	1.06
18.0	25.0	3.76	2.76	0.58	3.47	2.64	0.71	3.18	2.52	0.85	3.04	2.46	0.92	2.89	2.40	0.99	2.72	2.33	1.07
19.4	26.7	3.83	2.92	0.58	3.54	2.80	0.72	3.25	2.69	0.85	3.11	2.63	0.92	2.97	2.58	0.99	2.79	2.51	1.07
22.0	30.0	4.05	2.82	0.59	3.76	2.71	0.72	3.47	2.61	0.86	3.32	2.56	0.93	3.18	2.51	1.00	3.01	2.45	1.08
24.0	32.0	4.19	2.74	0.73	3.90	2.65	0.73	3.61	2.56	0.86	3.47	2.51	0.93	3.32	2.47	1.00	3.15	2.41	1.08

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	11.86	9.13	0.57	10.87	8.65	0.71	9.88	8.19	0.84	9.39	7.95	0.91	8.90	7.73	0.98	8.30	7.45	1.06
60.8	71.6	12.35	8.96	0.57	11.36	8.51	0.71	10.37	8.07	0.85	9.88	7.85	0.91	9.38	7.64	0.98	8.79	7.38	1.06
64.4	77.0	12.84	9.42	0.58	11.85	9.00	0.71	10.86	8.59	0.85	10.37	8.39	0.92	9.87	8.19	0.99	9.28	7.95	1.07
67.0	80.0	13.08	9.97	0.58	12.09	9.57	0.72	11.11	9.18	0.85	10.60	8.98	0.92	10.12	8.79	0.99	9.52	8.56	1.07
71.6	86.0	13.82	9.61	0.59	12.83	9.26	0.72	11.84	8.91	0.86	11.34	8.74	0.93	10.85	8.57	1.00	10.26	8.37	1.08
75.2	89.6	14.30	9.36	0.73	13.32	9.04	0.73	12.33	8.73	0.86	11.83	8.57	0.93	11.34	8.42	1.00	10.75	8.23	1.08

Heating (60 Hz, 230 V)

AFR	11.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.85	1.73	3.68	1.77	4.48	1.81	4.75	1.74	5.04	1.68	5.33	1.61	5.69	1.53	6.87	1.65
21.1		2.56	1.79	3.40	1.82	4.20	1.86	4.51	1.79	4.82	1.72	5.13	1.65	5.50	1.56	6.68	1.68
22.0		2.31	1.65	3.20	1.77	4.09	1.88	4.41	1.81	4.73	1.74	5.05	1.66	5.42	1.58	6.44	1.63
24.0		1.92	1.35	2.81	1.53	3.71	1.69	4.31	1.83	4.64	1.75	4.96	1.68	5.35	1.59	6.05	1.51
25.0		1.72	1.20	2.62	1.41	3.51	1.59	4.27	1.84	4.60	1.76	4.92	1.69	5.31	1.60	5.85	1.46
27.0		1.33	0.91	2.23	1.18	3.12	1.39	3.90	1.66	4.51	1.78	4.84	1.70	5.23	1.61	5.46	1.34

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		9.73	1.73	12.55	1.77	15.27	1.81	16.23	1.74	17.21	1.68	18.22	1.61	19.45	1.53	23.48	1.65
70.0		8.72	1.79	11.58	1.82	14.33	1.86	15.39	1.79	16.46	1.72	17.52	1.65	18.80	1.56	22.83	1.68
71.6		7.88	1.65	10.93	1.77	13.95	1.88	15.06	1.81	16.16	1.74	17.24	1.66	18.54	1.58	21.97	1.63
75.2		6.55	1.35	9.60	1.53	12.65	1.69	14.73	1.83	15.85	1.75	16.96	1.68	18.28	1.59	20.64	1.51
77.0		5.88	1.20	8.93	1.41	11.98	1.59	14.56	1.84	15.70	1.76	16.82	1.69	18.15	1.60	19.97	1.46
80.6		4.55	0.91	7.60	1.18	10.65	1.39	13.32	1.66	15.40	1.78	16.54	1.70	17.89	1.61	18.64	1.34

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTX15WMVJU9 + RXL15WMVJU9

Cooling (60 Hz, 208 V)

AFR	16.8
BF	0.22

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	4.92	3.74	0.77	4.51	3.54	0.96	4.10	3.34	1.14	3.89	3.25	1.24	3.69	3.15	1.33	3.44	3.04	1.44
16.0	22.0	5.12	3.67	0.78	4.71	3.48	0.96	4.30	3.30	1.15	4.10	3.21	1.24	3.89	3.12	1.33	3.65	3.01	1.45
18.0	25.0	5.32	3.85	0.79	4.91	3.67	0.97	4.50	3.50	1.15	4.30	3.42	1.25	4.09	3.34	1.34	3.85	3.24	1.45
19.4	26.7	5.42	4.07	0.79	5.01	3.90	0.97	4.60	3.74	1.16	4.40	3.66	1.25	4.20	3.58	1.34	3.95	3.48	1.45
22.0	30.0	5.73	3.92	0.80	5.32	3.77	0.98	4.91	3.63	1.17	4.70	3.56	1.26	4.50	3.48	1.35	4.25	3.40	1.46
24.0	32.0	5.93	3.82	0.99	5.52	3.68	0.99	5.11	3.55	1.17	4.91	3.48	1.26	4.70	3.42	1.36	4.46	3.34	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	16.78	12.76	0.77	15.38	12.08	0.96	13.98	11.41	1.14	13.28	11.08	1.24	12.58	10.75	1.33	11.75	10.37	1.44
60.8	71.6	17.47	12.51	0.78	16.07	11.87	0.96	14.67	11.24	1.15	13.98	10.94	1.24	13.28	10.63	1.33	12.44	10.27	1.45
64.4	77.0	18.16	13.13	0.79	16.76	12.53	0.97	15.37	11.95	1.15	14.67	11.66	1.25	13.97	11.38	1.34	13.13	11.04	1.45
67.0	80.0	18.51	13.88	0.79	17.11	13.31	0.97	15.71	12.75	1.16	15.00	12.47	1.25	15.00	12.20	1.34	13.47	11.88	1.45
71.6	86.0	19.55	13.38	0.80	18.15	12.87	0.98	16.75	12.37	1.17	16.05	12.13	1.26	15.35	11.89	1.35	14.51	11.60	1.46
75.2	89.6	20.24	13.02	0.99	18.84	12.56	0.99	17.44	12.11	1.17	16.74	11.89	1.26	16.04	11.67	1.36	15.20	11.41	1.47

Heating (60 Hz, 208 V)

AFR	18.5
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.63	2.20	4.69	2.24	5.70	2.30	6.10	2.29	6.52	2.28	6.94	2.27	7.45	2.26	8.99	2.44
21.1		3.26	2.27	4.32	2.31	5.35	2.36	5.79	2.35	6.23	2.34	6.67	2.32	7.20	2.31	8.74	2.49
22.0		3.11	2.30	4.18	2.34	5.21	2.39	5.67	2.37	6.12	2.36	6.56	2.34	7.10	2.33	8.65	2.51
24.0		2.96	2.32	4.04	2.36	5.07	2.41	5.54	2.40	6.00	2.38	6.46	2.37	7.00	2.35	8.14	2.30
25.0		2.78	2.18	3.96	2.38	5.00	2.43	5.48	2.41	5.94	2.39	6.41	2.38	6.95	2.36	7.87	2.19
27.0		2.23	1.66	3.82	2.40	4.86	2.45	5.35	2.43	5.83	2.42	6.30	2.40	6.85	2.38	7.33	1.98

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		12.42	2.20	16.03	2.24	19.50	2.30	20.87	2.29	22.28	2.28	23.71	2.27	25.45	2.26	30.73	2.44
70.0		11.14	2.27	14.79	2.31	18.30	2.36	19.80	2.35	21.30	2.34	22.80	2.32	24.60	2.31	29.88	2.49
71.6		10.63	2.30	14.30	2.34	17.82	2.39	19.37	2.37	20.91	2.36	22.44	2.34	24.26	2.33	29.54	2.51
75.2		10.11	2.32	13.80	2.36	17.34	2.41	18.94	2.40	20.52	2.38	22.07	2.37	23.92	2.35	27.78	2.30
77.0		9.47	2.18	13.56	2.38	17.10	2.43	18.73	2.41	20.32	2.39	21.89	2.38	23.75	2.36	26.85	2.19
80.6		7.62	1.66	13.06	2.40	16.62	2.45	18.30	2.43	19.93	2.42	21.53	2.40	23.41	2.38	25.00	1.98

Cooling (60 Hz, 230 V)

AFR	16.8
BF	0.22

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	4.92	3.74	0.77	4.51	3.54	0.96	4.10	3.34	1.14	3.89	3.25	1.24	3.69	3.15	1.33	3.44	3.04	1.44
16.0	22.0	5.12	3.67	0.78	4.71	3.48	0.96	4.30	3.30	1.15	4.10	3.21	1.24	3.89	3.12	1.33	3.65	3.01	1.45
18.0	25.0	5.32	3.85	0.79	4.91	3.67	0.97	4.50	3.50	1.15	4.30	3.42	1.25	4.09	3.34	1.34	3.85	3.24	1.45
19.4	26.7	5.42	4.07	0.79	5.01	3.90	0.97	4.60	3.74	1.16	4.40	3.66	1.25	4.20	3.58	1.34	3.95	3.48	1.45
22.0	30.0	5.73	3.92	0.80	5.32	3.77	0.98	4.91	3.63	1.17	4.70	3.56	1.26	4.50	3.48	1.35	4.25	3.40	1.46
24.0	32.0	5.93	3.82	0.99	5.52	3.68	0.99	5.11	3.55	1.17	4.91	3.48	1.26	4.70	3.42	1.36	4.46	3.34	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	16.78	12.76	0.77	15.38	12.08	0.96	13.98	11.41	1.14	13.28	11.08	1.24	12.58	10.75	1.33	11.75	10.37	1.44
60.8	71.6	17.47	12.51	0.78	16.07	11.87	0.96	14.67	11.24	1.15	13.98	10.94	1.24	13.28	10.63	1.33	12.44	10.27	1.45
64.4	77.0	18.16	13.13	0.79	16.76	12.53	0.97	15.37	11.95	1.15	14.67	11.66	1.25	13.97	11.38	1.34	13.13	11.04	1.45
67.0	80.0	18.51	13.88	0.79	17.11	13.31	0.97	15.71	12.75	1.16	15.00	12.47	1.25	15.00	12.20	1.34	13.47	11.88	1.45
71.6	86.0	19.55	13.38	0.80	18.15	12.87	0.98	16.75	12.37	1.17	16.05	12.13	1.26	15.35	11.89	1.35	14.51	11.60	1.46
75.2	89.6	20.24	13.02	0.99	18.84	12.56	0.99	17.44	12.11	1.17	16.74	11.89	1.26	16.04	11.67	1.36	15.20	11.41	1.47

Heating (60 Hz, 230 V)

AFR	18.5
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.63	2.20	4.69	2.24	5.70	2.30	6.10	2.29	6.52	2.28	6.94	2.27	7.45	2.26	8.99	2.44
21.1		3.26	2.27	4.32	2.31	5.35	2.36	5.79	2.35	6.23	2.34	6.67	2.32	7.20	2.31	8.74	2.49
22.0		3.11	2.30	4.18	2.34	5.21	2.39	5.67	2.37	6.12	2.36	6.56	2.34	7.10	2.33	8.65	2.51
24.0		2.96	2.32	4.04	2.36	5.07	2.41	5.54	2.40	6.00	2.38	6.46	2.37	7.00	2.35	8.14	2.30
25.0		2.78	2.18	3.96	2.38	5.00	2.43	5.48	2.41	5.94	2.39	6.41	2.38	6.95	2.36	7.87	2.19
27.0		2.23	1.66	3.82	2.40	4.86	2.45	5.35	2.43	5.83	2.42	6.30	2.40	6.85	2.38	7.33	1.98

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		12.42	2.20	16.03	2.24	19.50	2.30	20.87	2.29	22.28	2.28	23.71	2.27	25.45	2.26	30.73	2.44
70.0		11.14	2.27	14.79	2.31	18.30	2.36	19.80	2.35	21.30	2.34	22.80	2.32	24.60	2.31	29.88	2.49
71.6		10.63	2.30	14.30	2.34	17.82	2.39	19.37	2.37	20.91	2.36	22.44	2.34	24.26	2.33	29.54	2.51
75.2		10.11	2.32	13.80	2.36	17.34	2.41	18.94	2.40	20.52	2.38	22.07	2.37	23.92	2.35	27.78	2.30
77.0		9.47	2.18	13.56	2.38	17.10	2.43	18.73	2.41	20.32	2.39	21.89	2.38	23.75	2.36	26.85	2.19
80.6		7.62	1.66	13.06	2.40	16.62	2.45	18.30	2.43	19.93	2.42	21.53	2.40	23.41	2.38	25.00	1.98

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTX18WVJU9 + RXL18WMVJU9

Cooling (60 Hz, 208 V)

AFR	16.5
BF	0.07

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	5.90	4.45	0.97	5.40	4.21	1.20	4.91	3.97	1.43	4.67	3.85	1.55	4.42	3.74	1.66	4.13	3.60	1.80
16.0	22.0	6.14	4.36	0.98	5.65	4.13	1.21	5.16	3.91	1.44	4.91	3.80	1.55	4.67	3.70	1.67	4.37	3.57	1.81
18.0	25.0	6.38	4.57	0.98	5.89	4.36	1.21	5.40	4.15	1.45	5.15	4.05	1.56	4.91	3.95	1.68	4.61	3.83	1.82
19.4	26.7	6.50	4.83	0.99	6.01	4.62	1.22	5.52	4.43	1.45	5.28	4.33	1.57	5.03	4.23	1.68	4.74	4.12	1.82
22.0	30.0	6.87	4.65	1.00	6.38	4.47	1.23	5.89	4.30	1.46	5.64	4.21	1.58	5.39	4.12	1.69	5.10	4.02	1.83
24.0	32.0	7.11	4.52	1.24	6.62	4.36	1.24	6.13	4.20	1.47	5.88	4.12	1.58	5.64	4.05	1.70	5.34	3.95	1.84

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	20.12	15.18	0.97	18.44	14.35	1.20	16.76	13.54	1.43	15.93	13.15	1.55	15.09	12.75	1.66	14.08	12.29	1.80
60.8	71.6	20.95	14.88	0.98	19.27	14.11	1.21	17.59	13.35	1.44	16.76	12.98	1.55	15.92	12.61	1.67	14.91	12.18	1.81
64.4	77.0	21.78	15.60	0.98	20.10	14.88	1.21	18.42	14.17	1.45	17.59	13.83	1.56	16.75	13.49	1.68	15.74	13.08	1.82
67.0	80.0	22.19	16.47	0.99	20.51	15.78	1.22	18.84	15.10	1.45	18.00	14.77	1.57	17.16	14.44	1.68	16.16	14.05	1.82
71.6	86.0	23.43	15.86	1.00	21.76	15.25	1.23	20.08	14.66	1.46	19.24	14.36	1.58	18.41	14.07	1.69	17.40	13.73	1.83
75.2	89.6	24.26	15.44	1.24	22.59	14.88	1.24	20.91	14.34	1.47	20.07	14.07	1.58	19.24	13.81	1.70	18.23	13.49	1.84

Heating (60 Hz, 208 V)

AFR	20.2
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		4.94	2.46	5.83	2.77	6.75	3.08	7.14	3.06	7.56	3.05	7.98	3.03	8.49	3.01	10.25	3.26
21.1		4.43	2.53	5.38	2.85	6.33	3.17	6.78	3.15	7.22	3.13	7.67	3.11	8.21	3.08	9.97	3.33
22.0		3.82	2.16	5.20	2.88	6.16	3.20	6.63	3.18	7.09	3.16	7.55	3.14	8.09	3.11	9.85	3.35
24.0		3.17	1.77	4.65	2.55	6.00	3.23	6.48	3.21	6.96	3.19	7.43	3.17	7.98	3.14	9.74	3.38
25.0		2.84	1.57	4.33	2.34	5.91	3.25	6.41	3.23	6.89	3.20	7.36	3.18	7.92	3.15	9.68	3.39
27.0		2.19	1.19	3.68	1.93	5.38	2.90	6.26	3.26	6.76	3.23	7.24	3.21	7.81	3.18	9.42	3.32

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		16.86	2.46	19.90	2.77	23.02	3.08	24.37	3.06	25.78	3.05	27.22	3.03	28.97	3.01	34.97	3.26
70.0		15.12	2.53	18.36	2.85	21.60	3.17	23.12	3.15	24.65	3.13	26.17	3.11	28.00	3.08	34.01	3.33
71.6		13.02	2.16	17.75	2.88	21.03	3.20	22.62	3.18	24.19	3.16	25.75	3.14	27.61	3.11	33.62	3.35
75.2		10.80	1.77	15.88	2.55	20.47	3.23	22.12	3.21	23.74	3.19	25.34	3.17	27.23	3.14	33.23	3.38
77.0		9.69	1.57	14.77	2.34	20.18	3.25	21.87	3.23	23.52	3.20	25.13	3.18	27.03	3.15	33.04	3.39
80.6		7.48	1.19	12.56	1.93	18.34	2.90	21.37	3.26	23.06	3.23	24.71	3.21	26.65	3.18	32.13	3.32

Cooling (60 Hz, 230 V)

AFR	16.5
BF	0.07

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	5.90	4.45	0.97	5.40	4.21	1.20	4.91	3.97	1.43	4.67	3.85	1.55	4.42	3.74	1.66	4.13	3.60	1.80
16.0	22.0	6.14	4.36	0.98	5.65	4.13	1.21	5.16	3.91	1.44	4.91	3.80	1.55	4.67	3.70	1.67	4.37	3.57	1.81
18.0	25.0	6.38	4.57	0.98	5.89	4.36	1.21	5.40	4.15	1.45	5.15	4.05	1.56	4.91	3.95	1.68	4.61	3.83	1.82
19.4	26.7	6.50	4.83	0.99	6.01	4.62	1.22	5.52	4.43	1.45	5.28	4.33	1.57	5.03	4.23	1.68	4.74	4.12	1.82
22.0	30.0	6.87	4.65	1.00	6.38	4.47	1.23	5.89	4.30	1.46	5.64	4.21	1.58	5.39	4.12	1.69	5.10	4.02	1.83
24.0	32.0	7.11	4.52	1.24	6.62	4.36	1.24	6.13	4.20	1.47	5.88	4.12	1.58	5.64	4.05	1.70	5.34	3.95	1.84

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	20.12	15.18	0.97	18.44	14.35	1.20	16.76	13.54	1.43	15.93	13.15	1.55	15.09	12.75	1.66	14.08	12.29	1.80
60.8	71.6	20.95	14.88	0.98	19.27	14.11	1.21	17.59	13.35	1.44	16.76	12.98	1.55	15.92	12.61	1.67	14.91	12.18	1.81
64.4	77.0	21.78	15.60	0.98	20.10	14.88	1.21	18.42	14.17	1.45	17.59	13.83	1.56	16.75	13.49	1.68	15.74	13.08	1.82
67.0	80.0	22.19	16.47	0.99	20.51	15.78	1.22	18.84	15.10	1.45	18.00	14.77	1.57	17.16	14.44	1.68	16.16	14.05	1.82
71.6	86.0	23.43	15.86	1.00	21.76	15.25	1.23	20.08	14.66	1.46	19.24	14.36	1.58	18.41	14.07	1.69	17.40	13.73	1.83
75.2	89.6	24.26	15.44	1.24	22.59	14.88	1.24	20.91	14.34	1.47	20.07	14.07	1.58	19.24	13.81	1.70	18.23	13.49	1.84

Heating (60 Hz, 230 V)

AFR	20.2
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		4.94	2.46	5.83	2.77	6.75	3.08	7.14	3.06	7.56	3.05	7.98	3.03	8.49	3.01	10.25	3.26
21.1		4.43	2.53	5.38	2.85	6.33	3.17	6.78	3.15	7.22	3.13	7.67	3.11	8.21	3.08	9.97	3.33
22.0		3.82	2.16	5.20	2.88	6.16	3.20	6.63	3.18	7.09	3.16	7.55	3.14	8.09	3.11	9.85	3.35
24.0		3.17	1.77	4.65	2.55	6.00	3.23	6.48	3.21	6.96	3.19	7.43	3.17	7.98	3.14	9.74	3.38
25.0		2.84	1.57	4.33	2.34	5.91	3.25	6.41	3.23	6.89	3.20	7.36	3.18	7.92	3.15	9.68	3.39
27.0		2.19	1.19	3.68	1.93	5.38	2.90	6.26	3.26	6.76	3.23	7.24	3.21	7.81	3.18	9.42	3.32

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		16.86	2.46	19.90	2.77	23.02	3.08	24.37	3.06	25.78	3.05	27.22	3.03	28.97	3.01	34.97	3.26
70.0		15.12	2.53	18.36	2.85	21.60	3.17	23.12	3.15	24.65	3.13	26.17	3.11	28.00	3.08	34.01	3.33
71.6		13.02	2.16	17.75	2.88	21.03	3.20	22.62	3.18	24.19	3.16	25.75	3.14	27.61	3.11	33.62	3.35
75.2		10.80	1.77	15.88	2.55	20.47	3.23	22.12	3.21	23.74	3.19	25.34	3.17	27.23	3.14	33.23	3.38
77.0		9.69	1.57	14.77	2.34	20.18	3.25	21.87	3.23	23.52	3.20	25.13	3.18	27.03	3.15	33.04	3.39
80.6		7.48	1.19	12.56	1.93	18.34	2.90	21.37	3.26	23.06	3.23	24.71	3.21	26.65	3.18	32.13	3.32

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FTX24WVJU9 + RXL24WMVJU9

Cooling (60 Hz, 208 V)

AFR	18.2
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	6.94	5.11	1.14	6.37	4.82	1.41	5.79	4.54	1.69	5.50	4.40	1.82	5.21	4.26	1.96	4.86	4.10	2.12	
16.0	22.0	7.23	5.01	1.15	6.65	4.74	1.42	6.07	4.47	1.69	5.78	4.34	1.83	5.49	4.21	1.97	5.15	4.06	2.13	
18.0	25.0	7.52	5.23	1.16	6.94	4.98	1.43	6.36	4.73	1.70	6.07	4.61	1.84	5.78	4.49	1.98	5.43	4.34	2.14	
19.4	26.7	7.66	5.51	1.16	7.08	5.26	1.43	6.50	5.02	1.71	6.20	4.91	1.84	5.92	4.79	1.98	5.58	4.65	2.14	
22.0	30.0	8.09	5.29	1.17	7.51	5.08	1.45	6.93	4.87	1.72	6.64	4.76	1.86	6.35	4.66	1.99	6.01	4.54	2.16	
24.0	32.0	8.38	5.15	1.46	7.80	4.95	1.46	7.22	4.76	1.73	6.93	4.66	1.86	6.64	4.57	2.00	6.29	4.46	2.16	

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	23.69	17.44	1.14	21.72	16.45	1.41	19.75	15.48	1.69	18.76	15.00	1.82	17.77	14.53	1.96	16.59	13.97	2.12
60.8	71.6	24.67	17.09	1.15	22.70	16.16	1.42	20.72	15.25	1.69	19.73	14.81	1.83	18.75	14.37	1.97	17.56	13.85	2.13
64.4	77.0	25.65	17.84	1.16	23.67	16.98	1.43	21.70	16.13	1.70	20.71	15.72	1.84	19.72	15.31	1.98	18.54	14.82	2.14
67.0	80.0	26.14	18.79	1.16	24.16	17.95	1.43	22.19	17.14	1.71	21.20	16.74	1.84	20.21	16.34	1.98	19.03	15.88	2.14
71.6	86.0	27.60	18.06	1.17	25.63	17.33	1.45	23.65	16.61	1.72	22.67	16.26	1.86	21.68	15.91	1.99	20.49	15.50	2.16
75.2	89.6	28.58	17.56	1.46	26.60	16.89	1.46	24.63	16.23	1.73	23.64	15.91	1.86	22.65	15.59	2.00	21.47	15.22	2.16

Heating (60 Hz, 208 V)

AFR	19.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		5.49	3.03	6.48	3.42	7.50	3.80	8.00	3.78	8.52	3.76	9.06	3.74	9.70	3.71	11.51	3.91
21.1		4.81	3.04	5.98	3.52	7.03	3.91	7.59	3.88	8.15	3.86	8.71	3.83	9.38	3.80	11.02	3.91
22.0		4.11	2.67	5.72	3.51	6.81	3.91	7.42	3.91	8.00	3.89	8.57	3.87	9.25	3.83	10.84	3.91
24.0		3.41	2.27	5.02	3.12	6.59	3.91	7.21	3.91	7.83	3.91	8.43	3.90	9.12	3.87	10.66	3.91
25.0		3.06	2.07	4.67	2.93	6.49	3.91	7.11	3.91	7.73	3.91	8.35	3.91	9.05	3.89	10.57	3.91
27.0		2.36	1.64	3.97	2.52	5.80	3.55	6.91	3.91	7.54	3.91	8.16	3.91	8.92	3.91	10.15	3.80

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		18.73	3.03	22.11	3.42	25.58	3.80	27.30	3.78	29.09	3.76	30.90	3.74	33.10	3.71	39.26	3.91
70.0		16.42	3.04	20.40	3.52	24.00	3.91	25.90	3.88	27.81	3.86	29.71	3.83	32.00	3.80	37.61	3.91
71.6		14.04	2.67	19.51	3.51	23.25	3.91	25.31	3.91	27.30	3.89	29.24	3.87	31.56	3.83	36.98	3.91
75.2		11.65	2.27	17.12	3.12	22.50	3.91	24.61	3.91	26.71	3.91	28.77	3.90	31.12	3.87	36.36	3.91
77.0		10.45	2.07	15.93	2.93	22.13	3.91	24.26	3.91	26.38	3.91	28.49	3.91	30.90	3.89	36.05	3.91
80.6		8.06	1.64	13.54	2.52	19.78	3.55	23.59	3.91	25.73	3.91	27.86	3.91	30.42	3.91	34.64	3.80

Cooling (60 Hz, 230 V)

AFR	18.2
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	6.94	5.11	1.14	6.37	4.82	1.41	5.79	4.54	1.69	5.50	4.40	1.82	5.21	4.26	1.96	4.86	4.10	2.12
16.0	22.0	7.23	5.01	1.15	6.65	4.74	1.42	6.07	4.47	1.69	5.78	4.34	1.83	5.49	4.21	1.97	5.15	4.06	2.13
18.0	25.0	7.52	5.23	1.16	6.94	4.98	1.43	6.36	4.73	1.70	6.07	4.61	1.84	5.78	4.49	1.98	5.43	4.34	2.14
19.4	26.7	7.66	5.51	1.16	7.08	5.26	1.43	6.50	5.02	1.71	6.20	4.91	1.84	5.92	4.79	1.98	5.58	4.65	2.14
22.0	30.0	8.09	5.29	1.17	7.51	5.08	1.45	6.93	4.87	1.72	6.64	4.76	1.86	6.35	4.66	1.99	6.01	4.54	2.16
24.0	32.0	8.38	5.15	1.46	7.80	4.95	1.46	7.22	4.76	1.73	6.93	4.66	1.86	6.64	4.57	2.00	6.29	4.46	2.16

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	23.69	17.44	1.14	21.72	16.45	1.41	19.75	15.48	1.69	18.76	15.00	1.82	17.77	14.53	1.96	16.59	13.97	2.12
60.8	71.6	24.67	17.09	1.15	22.70	16.16	1.42	20.72	15.25	1.69	19.73	14.81	1.83	18.75	14.37	1.97	17.56	13.85	2.13
64.4	77.0	25.65	17.84	1.16	23.67	16.98	1.43	21.70	16.13	1.70	20.71	15.72	1.84	19.72	15.31	1.98	18.54	14.82	2.14
67.0	80.0	26.14	18.79	1.16	24.16	17.95	1.43	22.19	17.14	1.71	21.20	16.74	1.84	20.21	16.34	1.98	19.03	15.88	2.14
71.6	86.0	27.60	18.06	1.17	25.63	17.33	1.45	23.65	16.61	1.72	22.67	16.26	1.86	21.68	15.91	1.99	20.49	15.50	2.16
75.2	89.6	28.58	17.56	1.46	26.60	16.89	1.46	24.63	16.23	1.73	23.64	15.91	1.86	22.65	15.59	2.00	21.47	15.22	2.16

Heating (60 Hz, 230 V)

AFR	19.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		5.49	3.03	6.48	3.42	7.50	3.80	8.00	3.78	8.52	3.76	9.06	3.74	9.70	3.71	11.71	4.01
21.1		4.81	3.04	5.98	3.52	7.03	3.91	7.59	3.88	8.15	3.86	8.71	3.83	9.38	3.80	11.39	4.10
22.0		4.11	2.67	5.72	3.51	6.85	3.95	7.43	3.92	8.00	3.89	8.57	3.87	9.25	3.83	11.26	4.13
24.0		3.41	2.27	5.02	3.12	6.66	3.99	7.26	3.96	7.85	3.93	8.43	3.90	9.12	3.87	11.13	4.17
25.0		3.06	2.07	4.67	2.93	6.50	3.95	7.18	3.98	7.78	3.95	8.36	3.92	9.05	3.89	10.85	4.07
27.0		2.36	1.64	3.97	2.52	5.80	3.55	7.02	4.02	7.63	3.99	8.22	3.96	8.93	3.92	10.15	3.80

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		18.73	3.03	22.11	3.42	25.58	3.80	27.30	3.78	29.09	3.76	30.90	3.74	33.10	3.71	39.97	4.01
70.0		16.42	3.04	20.40	3.52	24.00	3.91	25.90	3.88	27.81	3.86	29.71	3.83	32.00	3.80	38.87	4.10
71.6		14.04	2.67	19.51	3.51	23.37	3.95	25.34	3.92	27.30	3.89	29.24	3.87	31.56	3.83	38.42	4.13
75.2		11.65	2.27	17.12	3.12	22.74	3.99	24.78	3.96	26.79	3.93	28.77	3.90	31.12	3.87	37.98	4.17
77.0		10.45	2.07	15.93	2.93	22.17	3.95	24.50	3.98	26.53	3.95	28.53	3.92	30.90	3.89	37.03	4.07
80.6		8.06	1.64	13.54	2.52	19.78	3.55	23.94	4.02	26.02	3.99	28.05	3.96	30.45	3.92	34.64	3.80

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FVXS09WVJU9 + RXL09WMVJU9

Cooling (60 Hz, 208 V)

AFR	8.2
BF	0.10

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	2.95	2.20	0.48	2.70	2.07	0.60	2.46	1.95	0.72	2.34	1.90	0.77	2.21	1.84	0.83	2.07	1.77	0.90		
16.0	22.0	3.07	2.15	0.49	2.83	2.04	0.60	2.58	1.93	0.72	2.46	1.87	0.78	2.33	1.82	0.83	2.19	1.75	0.90		
18.0	25.0	3.19	2.25	0.49	2.95	2.15	0.61	2.70	2.04	0.72	2.58	1.99	0.78	2.46	1.94	0.84	2.31	1.88	0.91		
19.4	26.7	3.25	2.38	0.49	3.01	2.27	0.61	2.76	2.17	0.72	2.64	2.12	0.78	2.52	2.07	0.84	2.37	2.02	0.91		
22.0	30.0	3.44	2.29	0.50	3.19	2.19	0.61	2.95	2.11	0.73	2.82	2.06	0.79	2.70	2.02	0.84	2.55	1.97	0.91		
24.0	32.0	3.56	2.22	0.62	3.31	2.14	0.62	3.07	2.06	0.73	2.94	2.02	0.79	2.82	1.98	0.85	2.67	1.93	0.92		

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	10.07	7.50	0.48	9.23	7.08	0.60	8.39	6.67	0.72	7.97	6.47	0.77	7.55	6.27	0.83	7.05	6.04	0.90		
60.8	71.6	10.48	7.35	0.49	9.64	6.96	0.60	8.80	6.57	0.72	8.39	6.39	0.78	7.97	6.20	0.83	7.46	5.98	0.90		
64.4	77.0	10.90	7.69	0.49	10.06	7.32	0.61	9.22	6.97	0.72	8.80	6.79	0.78	8.38	6.62	0.84	7.88	6.41	0.91		
67.0	80.0	11.10	8.10	0.49	10.27	7.75	0.61	9.43	7.41	0.72	9.00	7.24	0.78	9.00	7.08	0.84	8.08	6.88	0.91		
71.6	86.0	11.73	7.80	0.50	10.89	7.49	0.61	10.05	7.19	0.73	9.63	7.04	0.79	9.21	6.89	0.84	8.71	6.72	0.91		
75.2	89.6	12.14	7.58	0.62	11.30	7.30	0.62	10.46	7.03	0.73	10.05	6.89	0.79	9.63	6.76	0.85	9.12	6.60	0.92		

Heating (60 Hz, 208 V)

AFR	8.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.00	1.29	2.58	1.32	3.14	1.35	3.42	1.34	3.71	1.34	4.00	1.33	4.34	1.33	4.90	1.43
21.1		1.80	1.33	2.38	1.35	2.95	1.38	3.25	1.38	3.55	1.37	3.84	1.36	4.20	1.36	4.77	1.46
22.0		1.71	1.35	2.30	1.37	2.87	1.40	3.18	1.39	3.48	1.38	3.78	1.38	4.14	1.37	4.71	1.47
24.0		1.63	1.36	2.23	1.39	2.71	1.35	3.11	1.41	3.41	1.40	3.72	1.39	4.08	1.38	4.66	1.49
25.0		1.59	1.37	2.07	1.28	2.55	1.26	3.07	1.41	3.38	1.40	3.69	1.40	4.06	1.39	4.63	1.49
27.0		1.35	1.18	1.75	1.07	2.23	1.09	3.00	1.43	3.32	1.42	3.63	1.41	4.00	1.40	4.46	1.44

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		6.86	1.29	8.85	1.32	10.76	1.35	11.70	1.34	12.66	1.34	13.62	1.33	14.79	1.33	16.66	1.43
70.0		6.15	1.33	8.16	1.35	10.10	1.38	11.10	1.38	12.10	1.37	13.10	1.36	14.30	1.36	16.20	1.46
71.6		5.86	1.35	7.89	1.37	9.83	1.40	10.86	1.39	11.88	1.38	12.89	1.38	14.10	1.37	16.02	1.47
75.2		5.58	1.36	7.60	1.39	9.23	1.35	10.62	1.41	11.66	1.40	12.68	1.39	13.91	1.38	15.83	1.49
77.0		5.44	1.37	7.06	1.28	8.69	1.26	10.50	1.41	11.54	1.40	12.58	1.40	13.81	1.39	15.74	1.49
80.6		4.62	1.18	5.97	1.07	7.60	1.09	10.26	1.43	11.32	1.42	12.37	1.41	13.61	1.40	15.20	1.44

Cooling (60 Hz, 230 V)

AFR	8.2
BF	0.10

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	2.95	2.20	0.48	2.70	2.07	0.60	2.46	1.95	0.72	2.34	1.90	0.77	2.21	1.84	0.83	2.07	1.77	0.90
16.0	22.0	3.07	2.15	0.49	2.83	2.04	0.60	2.58	1.93	0.72	2.46	1.87	0.78	2.33	1.82	0.83	2.19	1.75	0.90
18.0	25.0	3.19	2.25	0.49	2.95	2.15	0.61	2.70	2.04	0.72	2.58	1.99	0.78	2.46	1.94	0.84	2.31	1.88	0.91
19.4	26.7	3.25	2.38	0.49	3.01	2.27	0.61	2.76	2.17	0.72	2.64	2.12	0.78	2.52	2.07	0.84	2.37	2.02	0.91
22.0	30.0	3.44	2.29	0.50	3.19	2.19	0.61	2.95	2.11	0.73	2.82	2.06	0.79	2.70	2.02	0.84	2.55	1.97	0.91
24.0	32.0	3.56	2.22	0.62	3.31	2.14	0.62	3.07	2.06	0.73	2.94	2.02	0.79	2.82	1.98	0.85	2.67	1.93	0.92

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	10.07	7.50	0.48	9.23	7.08	0.60	8.39	6.67	0.72	7.97	6.47	0.77	7.55	6.27	0.83	7.05	6.04	0.90
60.8	71.6	10.48	7.35	0.49	9.64	6.96	0.60	8.80	6.57	0.72	8.39	6.39	0.78	7.97	6.20	0.83	7.46	5.98	0.90
64.4	77.0	10.90	7.69	0.49	10.06	7.32	0.61	9.22	6.97	0.72	8.80	6.79	0.78	8.38	6.62	0.84	7.88	6.41	0.91
67.0	80.0	11.10	8.10	0.49	10.27	7.75	0.61	9.43	7.41	0.72	9.00	7.24	0.78	9.00	7.08	0.84	8.08	6.88	0.91
71.6	86.0	11.73	7.80	0.50	10.89	7.49	0.61	10.05	7.19	0.73	9.63	7.04	0.79	9.21	6.89	0.84	8.71	6.72	0.91
75.2	89.6	12.14	7.58	0.62	11.30	7.30	0.62	10.46	7.03	0.73	10.05	6.89	0.79	9.63	6.76	0.85	9.12	6.60	0.92

Heating (60 Hz, 230 V)

AFR	8.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.00	1.29	2.58	1.32	3.14	1.35	3.42	1.34	3.71	1.34	4.00	1.33	4.34	1.33	4.90	1.43
21.1		1.80	1.33	2.38	1.35	2.95	1.38	3.25	1.38	3.55	1.37	3.84	1.36	4.20	1.36	4.77	1.46
22.0		1.71	1.35	2.30	1.37	2.87	1.40	3.18	1.39	3.48	1.38	3.78	1.38	4.14	1.37	4.71	1.47
24.0		1.63	1.36	2.23	1.39	2.71	1.35	3.11	1.41	3.41	1.40	3.72	1.39	4.08	1.38	4.66	1.49
25.0		1.59	1.37	2.07	1.28	2.55	1.26	3.07	1.41	3.38	1.40	3.69	1.40	4.06	1.39	4.63	1.49
27.0		1.35	1.18	1.75	1.07	2.23	1.09	3.00	1.43	3.32	1.42	3.63	1.41	4.00	1.40	4.46	1.44

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		6.86	1.29	8.85	1.32	10.76	1.35	11.70	1.34	12.66	1.34	13.62	1.33	14.79	1.33	16.66	1.43
70.0		6.15	1.33	8.16	1.35	10.10	1.38	11.10	1.38	12.10	1.37	13.10	1.36	14.30	1.36	16.20	1.46
71.6		5.86	1.35	7.89	1.37	9.83	1.40	10.86	1.39	11.88	1.38	12.89	1.38	14.10	1.37	16.02	1.47
75.2		5.58	1.36	7.60	1.39	9.23	1.35	10.62	1.41	11.66	1.40	12.68	1.39	13.91	1.38	15.83	1.49
77.0		5.44	1.37	7.06	1.28	8.69	1.26	10.50	1.41	11.54	1.40	12.58	1.40	13.81	1.39	15.74	1.49
80.6		4.62	1.18	5.97	1.07	7.60	1.09	10.26	1.43	11.32	1.42	12.37	1.41	13.61	1.40	15.20	1.44

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FVXS12WVJU9 + RXL12WMVJU9

Cooling (60 Hz, 208 V)

AFR	8.5
BF	0.11

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	3.35	2.42	0.57	3.07	2.28	0.71	2.79	2.14	0.85	2.65	2.07	0.92	2.51	2.00	0.99	2.35	1.92	1.07
16.0	22.0	3.49	2.37	0.58	3.21	2.24	0.72	2.93	2.11	0.85	2.79	2.04	0.92	2.65	1.98	0.99	2.49	1.90	1.07
18.0	25.0	3.63	2.47	0.58	3.35	2.34	0.72	3.07	2.22	0.86	2.93	2.16	0.92	2.79	2.10	0.99	2.62	2.03	1.08
19.4	26.7	3.70	2.59	0.58	3.42	2.47	0.72	3.14	2.35	0.86	3.00	2.29	0.93	2.86	2.24	1.00	2.69	2.17	1.08
22.0	30.0	3.91	2.49	0.59	3.63	2.38	0.73	3.35	2.28	0.86	3.21	2.23	0.93	3.07	2.18	1.00	2.90	2.12	1.08
24.0	32.0	4.04	2.42	0.59	3.76	2.32	0.73	3.49	2.22	0.87	3.35	2.18	0.94	3.21	2.13	1.01	3.04	2.08	1.09

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	11.44	8.26	0.57	10.49	7.77	0.71	9.53	7.29	0.85	9.06	7.06	0.92	8.58	6.83	0.99	8.01	6.56	1.07
60.8	71.6	11.91	8.09	0.58	10.96	7.63	0.72	10.01	7.19	0.85	9.53	6.97	0.92	9.05	6.75	0.99	8.48	6.50	1.07
64.4	77.0	12.38	8.42	0.58	11.43	7.99	0.72	10.48	7.58	0.86	10.00	7.37	0.92	9.52	7.17	0.99	8.95	6.93	1.08
67.0	80.0	12.62	8.84	0.58	11.67	8.43	0.72	10.71	8.03	0.86	10.20	7.83	0.93	9.76	7.64	1.00	9.19	7.41	1.08
71.6	86.0	13.33	8.49	0.59	12.37	8.13	0.73	11.42	7.77	0.86	10.94	7.60	0.93	10.47	7.43	1.00	9.89	7.22	1.08
75.2	89.6	13.80	8.24	0.59	12.84	7.91	0.73	11.89	7.59	0.87	11.41	7.43	0.94	10.94	7.27	1.01	10.37	7.09	1.09

Heating (60 Hz, 208 V)

AFR	9.4
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)													
EDB		-25		-20		-15		-10		-5		0		6	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.58	1.62	3.33	1.65	4.05	1.69	4.31	1.65	4.57	1.61	4.84	1.58	5.17	1.53
21.1		2.31	1.67	3.07	1.70	3.80	1.74	4.09	1.70	4.37	1.65	4.66	1.61	5.00	1.56
22.0		2.17	1.64	2.95	1.70	3.70	1.76	4.00	1.71	4.29	1.67	4.58	1.63	4.93	1.58
24.0		1.83	1.37	2.61	1.49	3.37	1.59	3.91	1.73	4.21	1.69	4.51	1.64	4.86	1.59
25.0		1.66	1.24	2.44	1.39	3.20	1.50	3.86	1.74	4.17	1.70	4.47	1.65	4.83	1.60
27.0		1.32	0.97	2.10	1.18	2.86	1.33	3.54	1.58	4.09	1.71	4.40	1.67	4.76	1.61

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)													
EDB		-13		-4		5		14		23		32		43	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		8.82	1.62	11.39	1.65	13.85	1.69	14.73	1.65	15.64	1.61	16.56	1.58	17.69	1.53
70.0		7.91	1.67	10.51	1.70	13.00	1.74	13.98	1.70	14.95	1.65	15.93	1.61	17.10	1.56
71.6		7.39	1.64	10.05	1.70	12.64	1.76	13.67	1.71	14.68	1.67	15.67	1.63	16.86	1.58
75.2		6.23	1.37	8.89	1.49	11.48	1.59	13.37	1.73	14.40	1.69	15.42	1.64	16.63	1.59
77.0		5.65	1.24	8.31	1.39	10.90	1.50	13.22	1.74	14.27	1.70	15.29	1.65	16.51	1.60
80.6		4.49	0.97	7.15	1.18	9.74	1.33	12.06	1.58	13.99	1.71	15.04	1.67	16.24	1.61

Cooling (60 Hz, 230 V)

AFR	8.5
BF	0.11

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	3.35	2.42	0.57	3.07	2.28	0.71	2.79	2.14	0.85	2.65	2.07	0.92	2.51	2.00	0.99	2.35	1.92	1.07
16.0	22.0	3.49	2.37	0.58	3.21	2.24	0.72	2.93	2.11	0.85	2.79	2.04	0.92	2.65	1.98	0.99	2.49	1.90	1.07
18.0	25.0	3.63	2.47	0.58	3.35	2.34	0.72	3.07	2.22	0.86	2.93	2.16	0.92	2.79	2.10	0.99	2.62	2.03	1.08
19.4	26.7	3.70	2.59	0.58	3.42	2.47	0.72	3.14	2.35	0.86	3.00	2.29	0.93	2.86	2.24	1.00	2.69	2.17	1.08
22.0	30.0	3.91	2.49	0.59	3.63	2.38	0.73	3.35	2.28	0.86	3.21	2.23	0.93	3.07	2.18	1.00	2.90	2.12	1.08
24.0	32.0	4.04	2.42	0.59	3.76	2.32	0.73	3.49	2.22	0.87	3.35	2.18	0.94	3.21	2.13	1.01	3.04	2.08	1.09

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	11.44	8.26	0.57	10.49	7.77	0.71	9.53	7.29	0.85	9.06	7.06	0.92	8.58	6.83	0.99	8.01	6.56	1.07
60.8	71.6	11.91	8.09	0.58	10.96	7.63	0.72	10.01	7.19	0.85	9.53	6.97	0.92	9.05	6.75	0.99	8.48	6.50	1.07
64.4	77.0	12.38	8.42	0.58	11.43	7.99	0.72	10.48	7.58	0.86	10.00	7.37	0.92	9.52	7.17	0.99	8.95	6.93	1.08
67.0	80.0	12.62	8.84	0.58	11.67	8.43	0.72	10.71	8.03	0.86	10.20	7.83	0.93	9.76	7.64	1.00	9.19	7.41	1.08
71.6	86.0	13.33	8.49	0.59	12.37	8.13	0.73	11.42	7.77	0.86	10.94	7.60	0.93	10.47	7.43	1.00	9.89	7.22	1.08
75.2	89.6	13.80	8.24	0.59	12.84	7.91	0.73	11.89	7.59	0.87	11.41	7.43	0.94	10.94	7.27	1.01	10.37	7.09	1.09

Heating (60 Hz, 230 V)

AFR	9.4
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.58	1.62	3.33	1.65	4.05	1.69	4.31	1.65	4.57	1.61	4.84	1.58	5.17	1.53	5.70	1.65
21.1		2.31	1.67	3.07	1.70	3.80	1.74	4.09	1.70	4.37	1.65	4.66	1.61	5.00	1.56	5.54	1.69
22.0		2.17	1.64	2.95	1.70	3.70	1.76	4.00	1.71	4.29	1.67	4.58	1.63	4.93	1.58	5.48	1.70
24.0		1.83	1.37	2.61	1.49	3.37	1.59	3.91	1.73	4.21	1.69	4.51	1.64	4.86	1.59	5.27	1.64
25.0		1.66	1.24	2.44	1.39	3.20	1.50	3.86	1.74	4.17	1.70	4.47	1.65	4.83	1.60	5.10	1.57
27.0		1.32	0.97	2.10	1.18	2.86	1.33	3.54	1.58	4.09	1.71	4.40	1.67	4.76	1.61	4.76	1.45

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		8.82	1.62	11.39	1.65	13.85	1.69	14.73	1.65	15.64	1.61	16.56	1.58	17.69	1.53	19.49	1.65
70.0		7.91	1.67	10.51	1.70	13.00	1.74	13.98	1.70	14.95	1.65	15.93	1.61	17.10	1.56	18.95	1.69
71.6		7.39	1.64	10.05	1.70	12.64	1.76	13.67	1.71	14.68	1.67	15.67	1.63	16.86	1.58	18.74	1.70
75.2		6.23	1.37	8.89	1.49	11.48	1.59	13.37	1.73	14.40	1.69	15.42	1.64	16.63	1.59	17.98	1.64
77.0		5.65	1.24	8.31	1.39	10.90	1.50	13.22	1.74	14.27	1.70	15.29	1.65	16.51	1.60	17.40	1.57
80.6		4.49	0.97	7.15	1.18	9.74	1.33	12.06	1.58	13.99	1.71	15.04	1.67	16.24	1.61	16.24	1.45

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FVXS15WVJU9 + RXL15WMVJU9

Cooling (60 Hz, 208 V)

AFR	10.7
BF	0.13

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	4.53	3.19	0.81	4.51	3.18	1.00	4.10	2.96	1.19	3.89	2.86	1.29	3.69	2.75	1.39	3.44	2.63	1.50		
16.0	22.0	5.12	3.33	0.81	4.71	3.12	1.01	4.30	2.92	1.20	4.10	2.82	1.30	3.89	2.72	1.39	3.65	2.61	1.51		
18.0	25.0	5.32	3.44	0.82	4.91	3.24	1.01	4.50	3.05	1.20	4.30	2.96	1.30	4.09	2.87	1.40	3.85	2.76	1.51		
19.4	26.7	5.42	3.58	0.82	5.01	3.39	1.01	4.60	3.21	1.21	4.40	3.12	1.30	4.20	3.03	1.40	3.95	2.93	1.52		
22.0	30.0	5.73	3.43	0.83	5.32	3.26	1.02	4.91	3.10	1.22	4.70	3.02	1.31	4.50	2.94	1.41	4.25	2.85	1.52		
24.0	32.0	5.93	3.32	0.84	5.52	3.17	1.03	5.11	3.02	1.22	4.91	2.95	1.32	4.70	2.88	1.41	4.46	2.79	1.53		

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	15.46	10.89	0.81	15.38	10.85	1.00	13.98	10.11	1.19	13.28	9.75	1.29	12.58	9.40	1.39	11.75	8.98	1.50		
60.8	71.6	17.47	11.37	0.81	16.07	10.65	1.01	14.67	9.96	1.20	13.98	9.63	1.30	13.28	9.29	1.39	12.44	8.90	1.51		
64.4	77.0	18.16	11.73	0.82	16.76	11.06	1.01	15.37	10.42	1.20	14.67	10.10	1.30	13.97	9.79	1.40	13.13	9.43	1.51		
67.0	80.0	18.51	12.22	0.82	17.11	11.58	1.01	15.71	10.96	1.21	15.00	10.65	1.30	15.00	10.35	1.40	13.47	10.00	1.52		
71.6	86.0	19.55	11.70	0.83	18.15	11.13	1.02	16.75	10.58	1.22	16.05	10.31	1.31	15.35	10.05	1.41	14.51	9.73	1.52		
75.2	89.6	20.24	11.33	0.84	18.84	10.81	1.03	17.44	10.31	1.22	16.74	10.06	1.32	16.04	9.82	1.41	15.20	9.53	1.53		

Heating (60 Hz, 208 V)

AFR	11.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		2		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.58	2.05	4.63	2.09	5.63	2.14	6.00	2.05	6.38	1.96	6.93	1.84	7.24	1.77	8.32	1.76
21.1		3.21	2.11	4.27	2.15	5.28	2.20	5.69	2.11	6.10	2.01	6.67	1.88	7.00	1.81	7.26	1.50
22.0		3.07	2.14	4.13	2.17	5.14	2.22	5.57	2.13	5.99	2.03	6.57	1.90	6.83	1.79	6.83	1.40
24.0		2.68	1.85	3.98	2.20	5.00	2.25	5.44	2.15	5.87	2.05	6.40	1.88	6.40	1.66	6.40	1.30
25.0		2.46	1.69	3.86	2.16	4.91	2.24	5.38	2.16	5.82	2.06	6.19	1.81	6.19	1.60	6.19	1.25
27.0		2.04	1.38	3.43	1.89	4.48	2.02	5.01	2.00	5.55	1.98	5.76	1.66	5.76	1.47	5.76	1.15

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		36		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		12.22	2.05	15.77	2.09	19.18	2.14	20.48	2.05	21.82	1.96	23.72	1.84	24.83	1.77	28.40	1.76
70.0		10.96	2.11	14.55	2.15	18.00	2.20	19.43	2.11	20.86	2.01	22.86	1.88	24.00	1.81	24.75	1.50
71.6		10.45	2.14	14.06	2.17	17.53	2.22	19.01	2.13	20.47	2.03	22.51	1.90	23.30	1.79	23.30	1.40
75.2		9.13	1.85	13.58	2.20	17.05	2.25	18.59	2.15	20.09	2.05	21.84	1.88	21.84	1.66	21.84	1.30
77.0		8.40	1.69	13.16	2.16	16.75	2.24	18.38	2.16	19.90	2.06	21.11	1.81	21.11	1.60	21.11	1.25
80.6		6.94	1.38	11.71	1.89	15.29	2.02	17.11	2.00	18.93	1.98	19.66	1.66	19.66	1.47	19.66	1.15

Cooling (60 Hz, 230 V)

AFR	10.7
BF	0.13

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	4.53	3.19	0.81	4.51	3.18	1.00	4.10	2.96	1.19	3.89	2.86	1.29	3.69	2.75	1.39	3.44	2.63	1.50
16.0	22.0	5.12	3.33	0.81	4.71	3.12	1.01	4.30	2.92	1.20	4.10	2.82	1.30	3.89	2.72	1.39	3.65	2.61	1.51
18.0	25.0	5.32	3.44	0.82	4.91	3.24	1.01	4.50	3.05	1.20	4.30	2.96	1.30	4.09	2.87	1.40	3.85	2.76	1.51
19.4	26.7	5.42	3.58	0.82	5.01	3.39	1.01	4.60	3.21	1.21	4.40	3.12	1.30	4.20	3.03	1.40	3.95	2.93	1.52
22.0	30.0	5.73	3.43	0.83	5.32	3.26	1.02	4.91	3.10	1.22	4.70	3.02	1.31	4.50	2.94	1.41	4.25	2.85	1.52
24.0	32.0	5.93	3.32	0.84	5.52	3.17	1.03	5.11	3.02	1.22	4.91	2.95	1.32	4.70	2.88	1.41	4.46	2.79	1.53

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	15.46	10.89	0.81	15.38	10.85	1.00	13.98	10.11	1.19	13.28	9.75	1.29	12.58	9.40	1.39	11.75	8.98	1.50
60.8	71.6	17.47	11.37	0.81	16.07	10.65	1.01	14.67	9.96	1.20	13.98	9.63	1.30	13.28	9.29	1.39	12.44	8.90	1.51
64.4	77.0	18.16	11.73	0.82	16.76	11.06	1.01	15.37	10.42	1.20	14.67	10.10	1.30	13.97	9.79	1.40	13.13	9.43	1.51
67.0	80.0	18.51	12.22	0.82	17.11	11.58	1.01	15.71	10.96	1.21	15.00	10.65	1.30	15.00	10.35	1.40	13.47	10.00	1.52
71.6	86.0	19.55	11.70	0.83	18.15	11.13	1.02	16.75	10.58	1.22	16.05	10.31	1.31	15.35	10.05	1.41	14.51	9.73	1.52
75.2	89.6	20.24	11.33	0.84	18.84	10.81	1.03	17.44	10.31	1.22	16.74	10.06	1.32	16.04	9.82	1.41	15.20	9.53	1.53

Heating (60 Hz, 230 V)

AFR	11.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		2		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		3.58	2.05	4.63	2.09	5.63	2.14	6.00	2.05	6.38	1.96	6.93	1.84	7.24	1.77	8.32	1.76
21.1		3.21	2.11	4.27	2.15	5.28	2.20	5.69	2.11	6.10	2.01	6.67	1.88	7.00	1.81	7.26	1.50
22.0		3.07	2.14	4.13	2.17	5.14	2.22	5.57	2.13	5.99	2.03	6.57	1.90	6.83	1.79	6.83	1.40
24.0		2.68	1.85	3.98	2.20	5.00	2.25	5.44	2.15	5.87	2.05	6.40	1.88	6.40	1.66	6.40	1.30
25.0		2.46	1.69	3.86	2.16	4.91	2.24	5.38	2.16	5.82	2.06	6.19	1.81	6.19	1.60	6.19	1.25
27.0		2.04	1.38	3.43	1.89	4.48	2.02	5.01	2.00	5.55	1.98	5.76	1.66	5.76	1.47	5.76	1.15

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		36		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		12.22	2.05	15.77	2.09	19.18	2.14	20.48	2.05	21.82	1.96	23.72	1.84	24.83	1.77	28.40	1.76
70.0		10.96	2.11	14.55	2.15	18.00	2.20	19.43	2.11	20.86	2.01	22.86	1.88	24.00	1.81	24.75	1.50
71.6		10.45	2.14	14.06	2.17	17.53	2.22	19.01	2.13	20.47	2.03	22.51	1.90	23.30	1.79	23.30	1.40
75.2		9.13	1.85	13.58	2.20	17.05	2.25	18.59	2.15	20.09	2.05	21.84	1.88	21.84	1.66	21.84	1.30
77.0		8.40	1.69	13.16	2.16	16.75	2.24	18.38	2.16	19.90	2.06	21.11	1.81	21.11	1.60	21.11	1.25
80.6		6.94	1.38	11.71	1.89	15.29	2.02	17.11	2.00	18.93	1.98	19.66	1.66	19.66	1.47	19.66	1.15

Symbols:

AFR	: Airflow rate	(m³/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:

1.  shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FDMQ12WVJU9 + RXL12WMVJU9

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	0.63	3.14	2.21	0.88	2.95	2.11	1.11	2.80	2.03	1.20	2.65	1.96	1.29	2.48	1.87	1.40
16.0	22.0	3.68	2.38	0.76	3.39	2.23	0.94	3.09	2.08	1.12	2.95	2.01	1.21	2.80	1.94	1.30	2.62	1.85	1.40
18.0	25.0	3.83	2.45	0.76	3.53	2.31	0.94	3.24	2.17	1.12	3.09	2.10	1.21	2.94	2.04	1.30	2.77	1.96	1.41
19.4	26.7	3.90	2.55	0.76	3.61	2.41	0.94	3.31	2.28	1.12	3.17	2.21	1.21	3.02	2.15	1.30	2.84	2.07	1.41
22.0	30.0	4.12	2.44	0.77	3.83	2.32	0.95	3.53	2.20	1.13	3.38	2.14	1.22	3.24	2.08	1.31	3.06	2.02	1.42
24.0	32.0	4.27	2.36	0.78	3.97	2.25	0.96	3.68	2.14	1.14	3.53	2.09	1.23	3.38	2.04	1.32	3.21	1.97	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	10.70	7.54	0.63	10.70	7.54	0.88	10.06	7.20	1.11	9.56	6.94	1.20	9.05	6.68	1.29	8.45	6.37	1.40
60.8	71.6	12.57	8.12	0.76	11.56	7.60	0.94	10.56	7.09	1.12	10.05	6.85	1.21	9.55	6.60	1.30	8.95	6.32	1.40
64.4	77.0	13.07	8.36	0.76	12.06	7.87	0.94	11.05	7.40	1.12	10.55	7.17	1.21	10.05	6.95	1.30	9.44	6.68	1.41
67.0	80.0	13.31	8.70	0.76	12.31	8.23	0.94	11.30	7.77	1.12	10.80	7.55	1.21	10.30	7.33	1.30	9.69	7.07	1.41
71.6	86.0	14.06	8.32	0.77	13.06	7.91	0.95	12.05	7.50	1.13	11.55	7.31	1.22	11.04	7.11	1.31	10.44	6.88	1.42
75.2	89.6	14.56	8.05	0.78	13.55	7.67	0.96	12.55	7.30	1.14	12.04	7.12	1.23	11.54	6.95	1.32	10.94	6.74	1.42

Heating (60 Hz, 208 V)

AFR	10.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)														
EDB	-25		-20		-15		-10		-5		0		6		15.5	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.86	1.58	3.37	1.78	3.90	1.98	4.19	1.99	4.49	2.00	4.79	2.01	5.15	2.02	6.22	2.19
21.1	2.56	1.63	3.11	1.83	3.66	2.04	3.98	2.04	4.29	2.05	4.61	2.06	4.98	2.07	6.05	2.23
22.0	2.45	1.65	3.01	1.85	3.57	2.06	3.89	2.07	4.21	2.07	4.53	2.08	4.91	2.09	5.98	2.25
24.0	2.33	1.67	2.91	1.87	3.47	2.08	3.81	2.09	4.13	2.09	4.46	2.10	4.84	2.11	5.91	2.27
25.0	2.19	1.57	2.85	1.88	3.42	2.09	3.76	2.10	4.09	2.10	4.42	2.11	4.81	2.12	5.88	2.28
27.0	1.77	1.24	2.75	1.91	3.33	2.11	3.68	2.12	4.02	2.12	4.35	2.13	4.74	2.14	5.56	2.11

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)														
EDB	-13		-4		5		14		23		32		43		60	
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0	9.76	1.58	11.51	1.78	13.32	1.98	14.30	1.99	15.32	2.00	16.34	2.01	17.59	2.02	21.23	2.19
70.0	8.75	1.63	10.63	1.83	12.50	2.04	13.57	2.04	14.64	2.05	15.71	2.06	17.00	2.07	20.65	2.23
71.6	8.35	1.65	10.27	1.85	12.17	2.06	13.28	2.07	14.37	2.07	15.46	2.08	16.77	2.09	20.41	2.25
75.2	7.94	1.67	9.91	1.87	11.84	2.08	12.98	2.09	14.10	2.09	15.21	2.10	16.53	2.11	20.18	2.27
77.0	7.46	1.57	9.74	1.88	11.68	2.09	12.84	2.10	13.97	2.10	15.09	2.11	16.41	2.12	20.06	2.28
80.6	6.06	1.24	9.38	1.91	11.35	2.11	12.54	2.12	13.70	2.12	14.84	2.13	16.18	2.14	18.96	2.11

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	0.63	3.14	2.21	0.88	2.95	2.11	1.11	2.80	2.03	1.20	2.65	1.96	1.29	2.48	1.87	1.40
16.0	22.0	3.68	2.38	0.76	3.39	2.23	0.94	3.09	2.08	1.12	2.95	2.01	1.21	2.80	1.94	1.30	2.62	1.85	1.40
18.0	25.0	3.83	2.45	0.76	3.53	2.31	0.94	3.24	2.17	1.12	3.09	2.10	1.21	2.94	2.04	1.30	2.77	1.96	1.41
19.4	26.7	3.90	2.55	0.76	3.61	2.41	0.94	3.31	2.28	1.12	3.17	2.21	1.21	3.02	2.15	1.30	2.84	2.07	1.41
22.0	30.0	4.12	2.44	0.77	3.83	2.32	0.95	3.53	2.20	1.13	3.38	2.14	1.22	3.24	2.08	1.31	3.06	2.02	1.42
24.0	32.0	4.27	2.36	0.78	3.97	2.25	0.96	3.68	2.14	1.14	3.53	2.09	1.23	3.38	2.04	1.32	3.21	1.97	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	10.70	7.54	0.63	10.70	7.54	0.88	10.06	7.20	1.11	9.56	6.94	1.20	9.05	6.68	1.29	8.45	6.37	1.40
60.8	71.6	12.57	8.12	0.76	11.56	7.60	0.94	10.56	7.09	1.12	10.05	6.85	1.21	9.55	6.60	1.30	8.95	6.32	1.40
64.4	77.0	13.07	8.36	0.76	12.06	7.87	0.94	11.05	7.40	1.12	10.55	7.17	1.21	10.05	6.95	1.30	9.44	6.68	1.41
67.0	80.0	13.31	8.70	0.76	12.31	8.23	0.94	11.30	7.77	1.12	10.80	7.55	1.21	10.30	7.33	1.30	9.69	7.07	1.41
71.6	86.0	14.06	8.32	0.77	13.06	7.91	0.95	12.05	7.50	1.13	11.55	7.31	1.22	11.04	7.11	1.31	10.44	6.88	1.42
75.2	89.6	14.56	8.05	0.78	13.55	7.67	0.96	12.55	7.30	1.14	12.04	7.12	1.23	11.54	6.95	1.32	10.94	6.74	1.42

Heating (60 Hz, 230 V)

AFR	10.8
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		2.86	1.58	3.37	1.78	3.90	1.98	4.19	1.99	4.49	2.00	4.79	2.01	5.15	2.02	6.22	2.19
21.1		2.56	1.63	3.11	1.83	3.66	2.04	3.98	2.04	4.29	2.05	4.61	2.06	4.98	2.07	6.05	2.23
22.0		2.45	1.65	3.01	1.85	3.57	2.06	3.89	2.07	4.21	2.07	4.53	2.08	4.91	2.09	5.98	2.25
24.0		2.33	1.67	2.91	1.87	3.47	2.08	3.81	2.09	4.13	2.09	4.46	2.10	4.84	2.11	5.91	2.27
25.0		2.19	1.57	2.85	1.88	3.42	2.09	3.76	2.10	4.09	2.10	4.42	2.11	4.81	2.12	5.88	2.28
27.0		1.77	1.24	2.75	1.91	3.33	2.11	3.68	2.12	4.02	2.12	4.35	2.13	4.74	2.14	5.56	2.11

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		9.76	1.58	11.51	1.78	13.32	1.98	14.30	1.99	15.32	2.00	16.34	2.01	17.59	2.02	21.23	2.19
70.0		8.75	1.63	10.63	1.83	12.50	2.04	13.57	2.04	14.64	2.05	15.71	2.06	17.00	2.07	20.65	2.23
71.6		8.35	1.65	10.27	1.85	12.17	2.06	13.28	2.07	14.37	2.07	15.46	2.08	16.77	2.09	20.41	2.25
75.2		7.94	1.67	9.91	1.87	11.84	2.08	12.98	2.09	14.10	2.09	15.21	2.10	16.53	2.11	20.18	2.27
77.0		7.46	1.57	9.74	1.88	11.68	2.09	12.84	2.10	13.97	2.10	15.09	2.11	16.41	2.12	20.06	2.28
80.6		6.06	1.24	9.38	1.91	11.35	2.11	12.54	2.12	13.70	2.12	14.84	2.13	16.18	2.14	18.96	2.11

Symbols:

AFR	: Airflow rate	(m³/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 (Cooling) and MAX capacities and power input (Heating).
- 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 + RXL18WMVJU9

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	0.78	4.72	3.32	1.09	4.72	3.32	1.55	4.56	3.24	1.74	4.32	3.11	1.87	4.04	2.97	2.03
16.0	22.0	5.79	3.71	1.03	5.52	3.57	1.36	5.04	3.32	1.62	4.80	3.20	1.75	4.56	3.08	1.88	4.27	2.94	2.03
18.0	25.0	6.24	3.92	1.11	5.76	3.68	1.37	5.28	3.45	1.63	5.04	3.34	1.76	4.80	3.23	1.89	4.51	3.10	2.04
19.4	26.7	6.36	4.07	1.11	5.88	3.84	1.37	5.40	3.61	1.63	5.16	3.50	1.76	4.92	3.40	1.89	4.63	3.27	2.05
22.0	30.0	6.72	3.89	1.12	6.24	3.68	1.38	5.75	3.48	1.64	5.51	3.39	1.77	5.27	3.29	1.90	4.99	3.18	2.06
24.0	32.0	6.95	3.76	1.13	6.47	3.57	1.39	5.99	3.39	1.65	5.75	3.30	1.78	5.51	3.21	1.91	5.22	3.11	2.07

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	0.78	16.09	11.33	1.09	16.09	11.33	1.55	15.57	11.06	1.74	14.75	10.63	1.87	13.77	10.12	2.03
60.8	71.6	19.76	12.66	1.03	18.84	12.17	1.36	17.20	11.33	1.62	16.38	10.92	1.75	15.56	10.51	1.88	14.58	10.03	2.03
64.4	77.0	21.29	13.39	1.11	19.65	12.57	1.37	18.01	11.78	1.63	17.19	11.40	1.76	16.38	11.02	1.89	15.39	10.57	2.04
67.0	80.0	21.70	13.88	1.11	20.06	13.09	1.37	18.42	12.33	1.63	17.60	11.96	1.76	16.78	11.59	1.89	15.80	11.16	2.05
71.6	86.0	22.91	13.27	1.12	21.27	12.57	1.38	19.64	11.89	1.64	18.82	11.56	1.77	18.00	11.23	1.90	17.01	10.85	2.06
75.2	89.6	23.72	12.82	1.13	22.09	12.18	1.39	20.45	11.56	1.65	19.63	11.26	1.78	18.81	10.96	1.91	17.82	10.61	2.07

Heating (60 Hz, 208 V)

AFR	17.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)														
EDB	-25		-20		-15		-10		-5		0		6		15.5	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	4.94	2.73	5.83	3.07	6.75	3.42	6.92	3.22	7.12	3.02	7.32	2.81	7.58	2.57	9.15	2.77
21.1	4.43	2.81	5.38	3.17	6.33	3.52	6.57	3.31	6.81	3.09	7.04	2.88	7.33	2.63	8.90	2.83
22.0	4.00	2.61	5.20	3.20	6.16	3.56	6.43	3.34	6.68	3.12	6.93	2.91	7.23	2.65	8.80	2.86
24.0	3.32	2.13	4.88	3.08	6.00	3.59	6.28	3.37	6.56	3.15	6.82	2.94	7.12	2.68	8.70	2.88
25.0	2.98	1.90	4.54	2.83	5.91	3.61	6.21	3.39	6.49	3.17	6.76	2.95	7.07	2.69	8.65	2.89
27.0	2.30	1.45	3.86	2.35	5.64	3.52	6.07	3.43	6.37	3.20	6.65	2.98	6.97	2.71	8.54	2.92

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)														
EDB	-13		-4		5		14		23		32		43		60	
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0	16.86	2.73	19.90	3.07	23.02	3.42	23.62	3.22	24.29	3.02	24.99	2.81	25.86	2.57	31.23	2.77
70.0	15.12	2.81	18.36	3.17	21.60	3.52	22.41	3.31	23.22	3.09	24.03	2.88	25.00	2.63	30.36	2.83
71.6	13.65	2.61	17.75	3.20	21.03	3.56	21.93	3.34	22.79	3.12	23.64	2.91	24.65	2.65	30.02	2.86
75.2	11.33	2.13	16.65	3.08	20.47	3.59	21.44	3.37	22.37	3.15	23.26	2.94	24.31	2.68	29.67	2.88
77.0	10.17	1.90	15.49	2.83	20.18	3.61	21.20	3.39	22.15	3.17	23.07	2.95	24.14	2.69	29.50	2.89
80.6	7.84	1.45	13.17	2.35	19.23	3.52	20.71	3.43	21.73	3.20	22.69	2.98	23.79	2.71	29.16	2.92

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	0.78	4.72	3.32	1.09	4.72	3.32	1.55	4.56	3.24	1.74	4.32	3.11	1.87	4.04	2.97	2.03
16.0	22.0	5.79	3.71	1.03	5.52	3.57	1.36	5.04	3.32	1.62	4.80	3.20	1.75	4.56	3.08	1.88	4.27	2.94	2.03
18.0	25.0	6.24	3.92	1.11	5.76	3.68	1.37	5.28	3.45	1.63	5.04	3.34	1.76	4.80	3.23	1.89	4.51	3.10	2.04
19.4	26.7	6.36	4.07	1.11	5.88	3.84	1.37	5.40	3.61	1.63	5.16	3.50	1.76	4.92	3.40	1.89	4.63	3.27	2.05
22.0	30.0	6.72	3.89	1.12	6.24	3.68	1.38	5.75	3.48	1.64	5.51	3.39	1.77	5.27	3.29	1.90	4.99	3.18	2.06
24.0	32.0	6.95	3.76	1.13	6.47	3.57	1.39	5.99	3.39	1.65	5.75	3.30	1.78	5.51	3.21	1.91	5.22	3.11	2.07

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	0.78	16.09	11.33	1.09	16.09	11.33	1.55	15.57	11.06	1.74	14.75	10.63	1.87	13.77	10.12	2.03
60.8	71.6	19.76	12.66	1.03	18.84	12.17	1.36	17.20	11.33	1.62	16.38	10.92	1.75	15.56	10.51	1.88	14.58	10.03	2.03
64.4	77.0	21.29	13.39	1.11	19.65	12.57	1.37	18.01	11.78	1.63	17.19	11.40	1.76	16.38	11.02	1.89	15.39	10.57	2.04
67.0	80.0	21.70	13.88	1.11	20.06	13.09	1.37	18.42	12.33	1.63	17.60	11.96	1.76	16.78	11.59	1.89	15.80	11.16	2.05
71.6	86.0	22.91	13.27	1.12	21.27	12.57	1.38	19.64	11.89	1.64	18.82	11.56	1.77	18.00	11.23	1.90	17.01	10.85	2.06
75.2	89.6	23.72	12.82	1.13	22.09	12.18	1.39	20.45	11.56	1.65	19.63	11.26	1.78	18.81	10.96	1.91	17.82	10.61	2.07

Heating (60 Hz, 230 V)

AFR	17.7
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		4.94	2.73	5.83	3.07	6.75	3.42	6.92	3.22	7.12	3.02	7.32	2.81	7.58	2.57	9.15	2.77
21.1		4.43	2.81	5.38	3.17	6.33	3.52	6.57	3.31	6.81	3.09	7.04	2.88	7.33	2.63	8.90	2.83
22.0		4.00	2.61	5.20	3.20	6.16	3.56	6.43	3.34	6.68	3.12	6.93	2.91	7.23	2.65	8.80	2.86
24.0		3.32	2.13	4.88	3.08	6.00	3.59	6.28	3.37	6.56	3.15	6.82	2.94	7.12	2.68	8.70	2.88
25.0		2.98	1.90	4.54	2.83	5.91	3.61	6.21	3.39	6.49	3.17	6.76	2.95	7.07	2.69	8.65	2.89
27.0		2.30	1.45	3.86	2.35	5.64	3.52	6.07	3.43	6.37	3.20	6.65	2.98	6.97	2.71	8.54	2.92

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		16.86	2.73	19.90	3.07	23.02	3.42	23.62	3.22	24.29	3.02	24.99	2.81	25.86	2.57	31.23	2.77
70.0		15.12	2.81	18.36	3.17	21.60	3.52	22.41	3.31	23.22	3.09	24.03	2.88	25.00	2.63	30.36	2.83
71.6		13.65	2.61	17.75	3.20	21.03	3.56	21.93	3.34	22.79	3.12	23.64	2.91	24.65	2.65	30.02	2.86
75.2		11.33	2.13	16.65	3.08	20.47	3.59	21.44	3.37	22.37	3.15	23.26	2.94	24.31	2.68	29.67	2.88
77.0		10.17	1.90	15.49	2.83	20.18	3.61	21.20	3.39	22.15	3.17	23.07	2.95	24.14	2.69	29.50	2.89
80.6		7.84	1.45	13.17	2.35	19.23	3.52	20.71	3.43	21.73	3.20	22.69	2.98	23.79	2.71	29.16	2.92

Symbols:

AFR	: Airflow rate	(m³/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:

1. ■ shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
2. 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.)
3. Capacities are based on the following conditions.
Corresponding refrigerant piping length : 25 ft (7.5 m)
Level difference : 0 ft (0 m)
4. Airflow rate (AFR) and Bypass factor (BF) are tabulated above table.

FDMQ24WVJU9 + RXL24WMVJU9

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	0.99	5.59	3.94	1.37	5.59	3.94	1.90	5.50	3.89	2.18	5.21	3.74	2.35	4.86	3.56	2.54		
16.0	22.0	6.87	4.40	1.27	6.65	4.29	1.70	6.07	3.99	2.03	5.78	3.84	2.19	5.49	3.70	2.36	5.15	3.53	2.55		
18.0	25.0	7.52	4.71	1.39	6.94	4.42	1.71	6.36	4.14	2.04	6.07	4.00	2.20	5.78	3.87	2.37	5.43	3.71	2.56		
19.4	26.7	7.66	4.88	1.39	7.08	4.60	1.72	6.50	4.33	2.05	6.21	4.20	2.21	5.92	4.07	2.37	5.58	3.92	2.57		
22.0	30.0	8.09	4.67	1.41	7.51	4.42	1.73	6.93	4.18	2.06	6.64	4.06	2.22	6.35	3.94	2.39	6.01	3.81	2.58		
24.0	32.0	8.38	4.51	1.42	7.80	4.28	1.74	7.22	4.06	2.07	6.93	3.95	2.23	6.64	3.85	2.40	6.29	3.72	2.59		

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	0.99	19.09	13.44	1.37	19.09	13.44	1.90	18.76	13.27	2.18	17.77	12.75	2.35	16.59	12.13	2.54		
60.8	71.6	23.44	15.02	1.27	22.70	14.62	1.70	20.72	13.60	2.03	19.73	13.10	2.19	18.75	12.61	2.36	17.56	12.03	2.55		
64.4	77.0	25.65	16.08	1.39	23.67	15.09	1.71	21.70	14.13	2.04	20.71	13.67	2.20	19.72	13.21	2.37	18.54	12.67	2.56		
67.0	80.0	26.14	16.66	1.39	24.16	15.70	1.72	22.19	14.78	2.05	21.20	14.33	2.21	20.21	13.88	2.37	19.03	13.36	2.57		
71.6	86.0	27.60	15.92	1.41	25.63	15.07	1.73	23.65	14.25	2.06	22.67	13.85	2.22	21.68	13.45	2.39	20.49	12.99	2.58		
75.2	89.6	28.58	15.38	1.42	26.60	14.60	1.74	24.63	13.85	2.07	23.64	13.48	2.23	22.65	13.12	2.40	21.47	12.70	2.59		

Heating (60 Hz, 208 V)

AFR	21.0
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Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)														
EDB	-25		-20		-15		-10		-5		0		6		15.5	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	5.26	2.91	6.21	3.27	7.18	3.64	7.44	3.49	7.72	3.33	8.01	3.17	8.37	2.98	10.10	3.22
21.1	4.72	3.00	5.73	3.37	6.74	3.74	7.06	3.58	7.38	3.41	7.70	3.25	8.09	3.05	9.82	3.29
22.0	4.50	3.03	5.54	3.41	6.56	3.79	6.91	3.62	7.25	3.45	7.58	3.28	7.98	3.08	9.71	3.32
24.0	3.84	2.55	5.35	3.45	6.39	3.83	6.76	3.65	7.11	3.48	7.46	3.31	7.87	3.11	9.60	3.34
25.0	3.45	2.25	5.25	3.47	6.30	3.85	6.68	3.67	7.04	3.50	7.40	3.33	7.81	3.12	9.55	3.36
27.0	2.66	1.67	4.47	2.81	6.12	3.89	6.53	3.71	6.91	3.53	7.27	3.36	7.70	3.15	9.43	3.38

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)														
EDB	-13		-4		5		14		23		32		43		60	
°F	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0	17.95	2.91	21.18	3.27	24.51	3.64	25.40	3.49	26.35	3.33	27.34	3.17	28.55	2.98	34.47	3.22
70.0	16.10	3.00	19.55	3.37	23.00	3.74	24.10	3.58	25.19	3.41	26.29	3.25	27.60	3.05	33.52	3.29
71.6	15.36	3.03	18.90	3.41	22.40	3.79	23.57	3.62	24.73	3.45	25.87	3.28	27.22	3.08	33.14	3.32
75.2	13.12	2.55	18.24	3.45	21.79	3.83	23.05	3.65	24.26	3.48	25.45	3.31	26.84	3.11	32.76	3.34
77.0	11.77	2.25	17.92	3.47	21.49	3.85	22.79	3.67	24.03	3.50	25.24	3.33	26.65	3.12	32.57	3.36
80.6	9.08	1.67	15.25	2.81	20.89	3.89	22.27	3.71	23.57	3.53	24.82	3.36	26.27	3.15	32.19	3.38

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	0.99	5.59	3.94	1.37	5.59	3.94	1.90	5.50	3.89	2.18	5.21	3.74	2.35	4.86	3.56	2.54
16.0	22.0	6.87	4.40	1.27	6.65	4.29	1.70	6.07	3.99	2.03	5.78	3.84	2.19	5.49	3.70	2.36	5.15	3.53	2.55
18.0	25.0	7.52	4.71	1.39	6.94	4.42	1.71	6.36	4.14	2.04	6.07	4.00	2.20	5.78	3.87	2.37	5.43	3.71	2.56
19.4	26.7	7.66	4.88	1.39	7.08	4.60	1.72	6.50	4.33	2.05	6.21	4.20	2.21	5.92	4.07	2.37	5.58	3.92	2.57
22.0	30.0	8.09	4.67	1.41	7.51	4.42	1.73	6.93	4.18	2.06	6.64	4.06	2.22	6.35	3.94	2.39	6.01	3.81	2.58
24.0	32.0	8.38	4.51	1.42	7.80	4.28	1.74	7.22	4.06	2.07	6.93	3.95	2.23	6.64	3.85	2.40	6.29	3.72	2.59

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	0.99	19.09	13.44	1.37	19.09	13.44	1.90	18.76	13.27	2.18	17.77	12.75	2.35	16.59	12.13	2.54
60.8	71.6	23.44	15.02	1.27	22.70	14.62	1.70	20.72	13.60	2.03	19.73	13.10	2.19	18.75	12.61	2.36	17.56	12.03	2.55
64.4	77.0	25.65	16.08	1.39	23.67	15.09	1.71	21.70	14.13	2.04	20.71	13.67	2.20	19.72	13.21	2.37	18.54	12.67	2.56
67.0	80.0	26.14	16.66	1.39	24.16	15.70	1.72	22.19	14.78	2.05	21.20	14.33	2.21	20.21	13.88	2.37	19.03	13.36	2.57
71.6	86.0	27.60	15.92	1.41	25.63	15.07	1.73	23.65	14.25	2.06	22.67	13.85	2.22	21.68	13.45	2.39	20.49	12.99	2.58
75.2	89.6	28.58	15.38	1.42	26.60	14.60	1.74	24.63	13.85	2.07	23.64	13.48	2.23	22.65	13.12	2.40	21.47	12.70	2.59

Heating (60 Hz, 230 V)

AFR	21.0
-----	------

Temp: Celsius / TC, PI: kW

INDOOR		OUTDOOR TEMPERATURE (°CWB)															
EDB		-25		-20		-15		-10		-5		0		6		15.5	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0		5.26	2.91	6.21	3.27	7.18	3.64	7.44	3.49	7.72	3.33	8.01	3.17	8.37	2.98	10.10	3.22
21.1		4.72	3.00	5.73	3.37	6.74	3.74	7.06	3.58	7.38	3.41	7.70	3.25	8.09	3.05	9.82	3.29
22.0		4.50	3.03	5.54	3.41	6.56	3.79	6.91	3.62	7.25	3.45	7.58	3.28	7.98	3.08	9.71	3.32
24.0		3.84	2.55	5.35	3.45	6.39	3.83	6.76	3.65	7.11	3.48	7.46	3.31	7.87	3.11	9.60	3.34
25.0		3.45	2.25	5.25	3.47	6.30	3.85	6.68	3.67	7.04	3.50	7.40	3.33	7.81	3.12	9.55	3.36
27.0		2.66	1.67	4.47	2.81	6.12	3.89	6.53	3.71	6.91	3.53	7.27	3.36	7.70	3.15	9.43	3.38

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

INDOOR		OUTDOOR TEMPERATURE (°FWB)															
EDB		-13		-4		5		14		23		32		43		60	
°F		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
59.0		17.95	2.91	21.18	3.27	24.51	3.64	25.40	3.49	26.35	3.33	27.34	3.17	28.55	2.98	34.47	3.22
70.0		16.10	3.00	19.55	3.37	23.00	3.74	24.10	3.58	25.19	3.41	26.29	3.25	27.60	3.05	33.52	3.29
71.6		15.36	3.03	18.90	3.41	22.40	3.79	23.57	3.62	24.73	3.45	25.87	3.28	27.22	3.08	33.14	3.32
75.2		13.12	2.55	18.24	3.45	21.79	3.83	23.05	3.65	24.26	3.48	25.45	3.31	26.84	3.11	32.76	3.34
77.0		11.77	2.25	17.92	3.47	21.49	3.85	22.79	3.67	24.03	3.50	25.24	3.33	26.65	3.12	32.57	3.36
80.6		9.08	1.67	15.25	2.81	20.89	3.89	22.27	3.71	23.57	3.53	24.82	3.36	26.27	3.15	32.19	3.38

Symbols:

AFR	: Airflow rate	(m³/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)

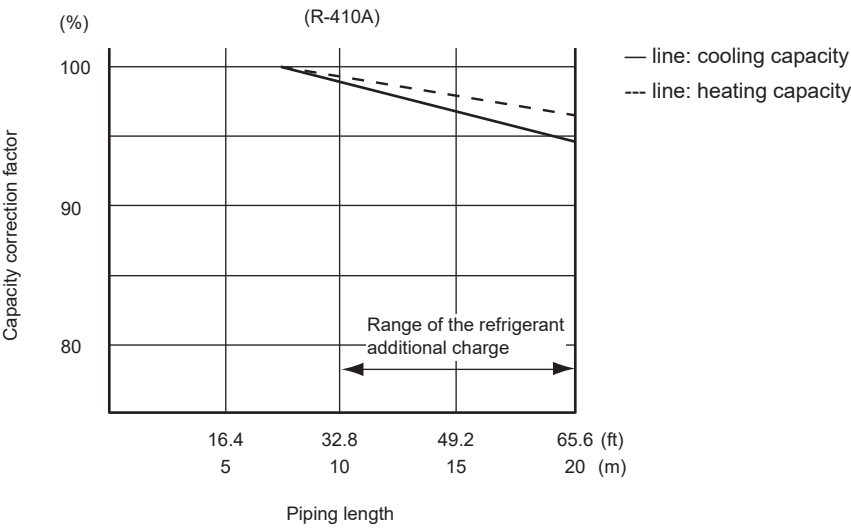
Notes:

- shows nominal (rated) capacities and power input (Cooling) and MAX capacities and power input (Heating).
- 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.

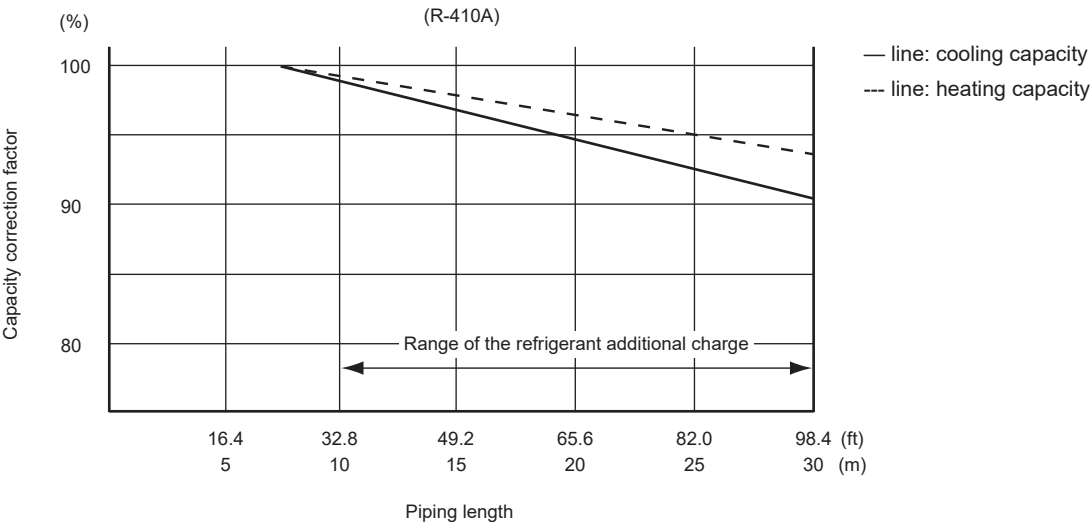
7.1 Capacity Correction Factor by the Length of Refrigerant Piping (Reference)

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.

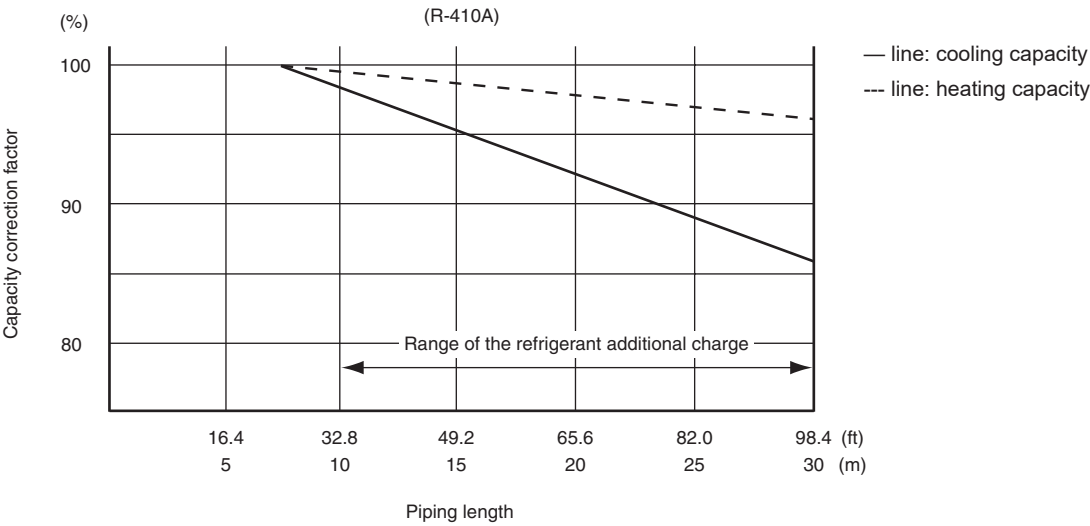
7.1.1 09/12 Class



7.1.2 15/18 Class



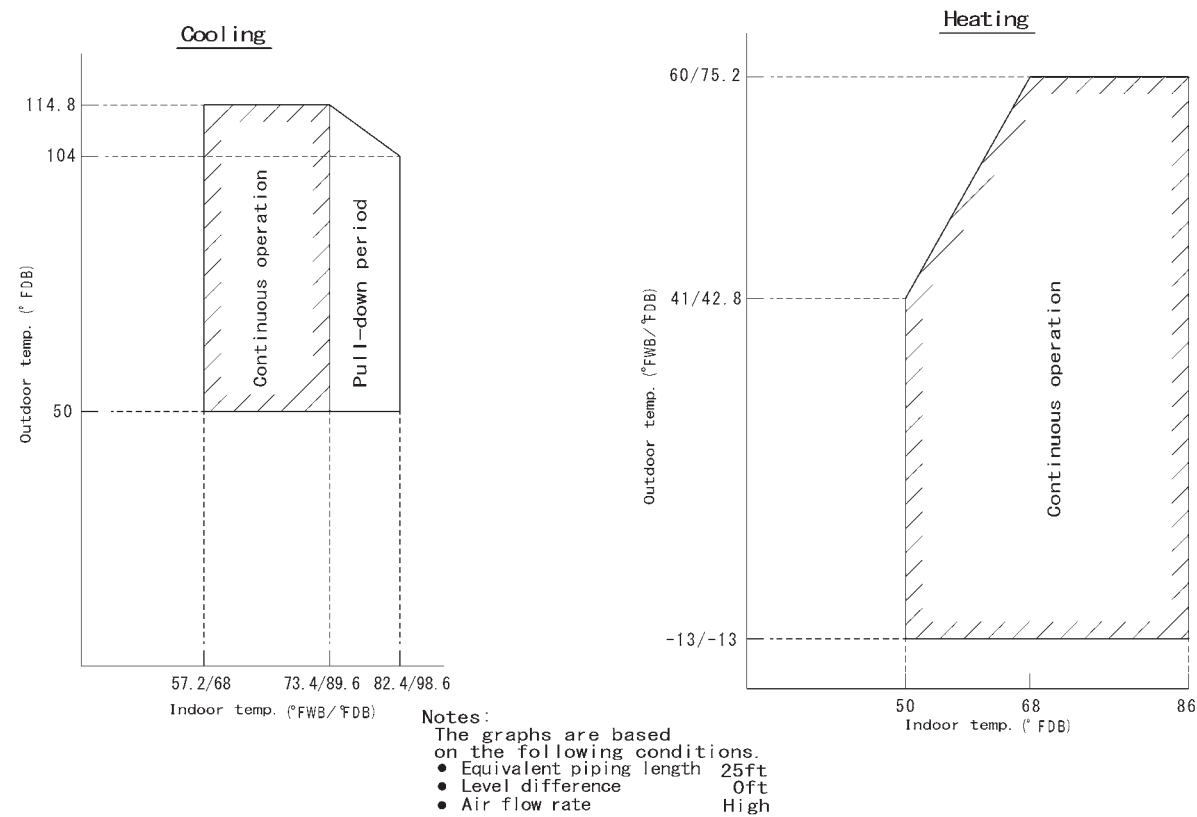
7.1.3 24 Class



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

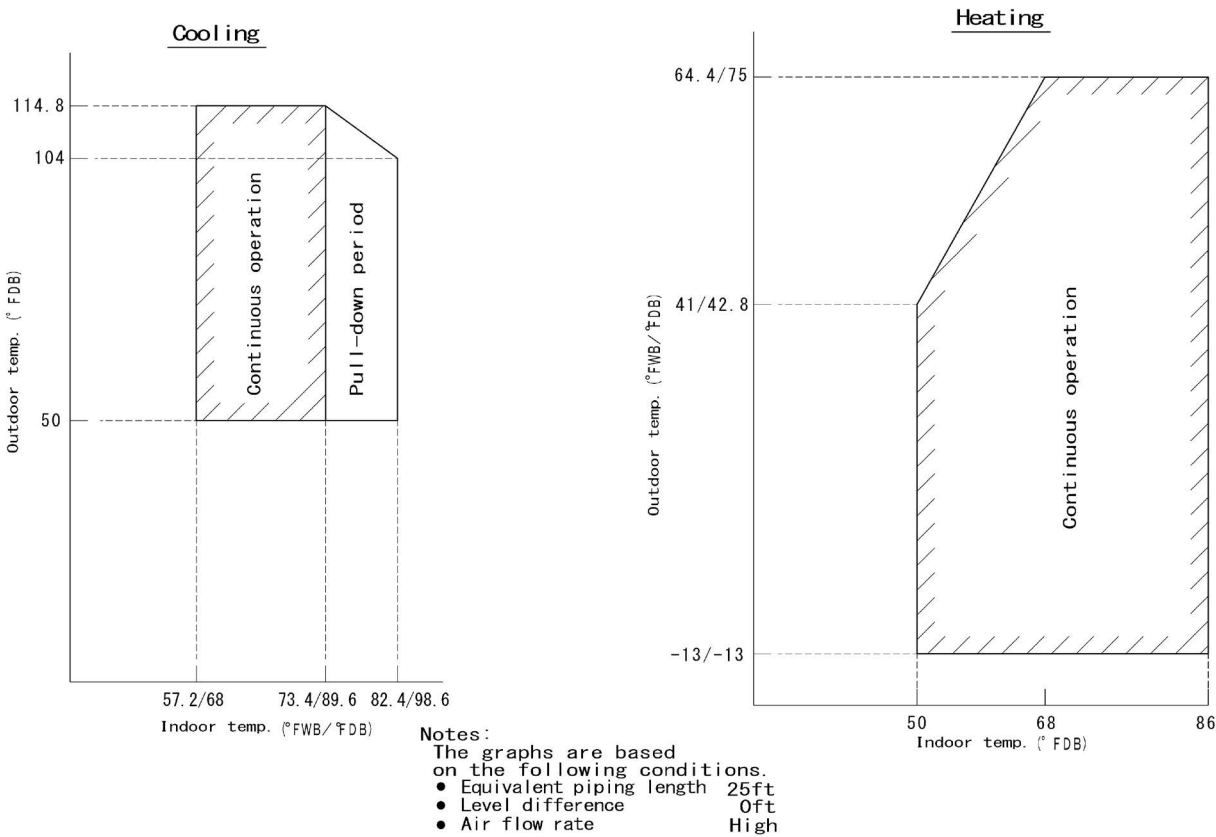
8. Operation Limit

RXL09/15WMVJU9



3D100732A

RXL12/18/24WMVJU9



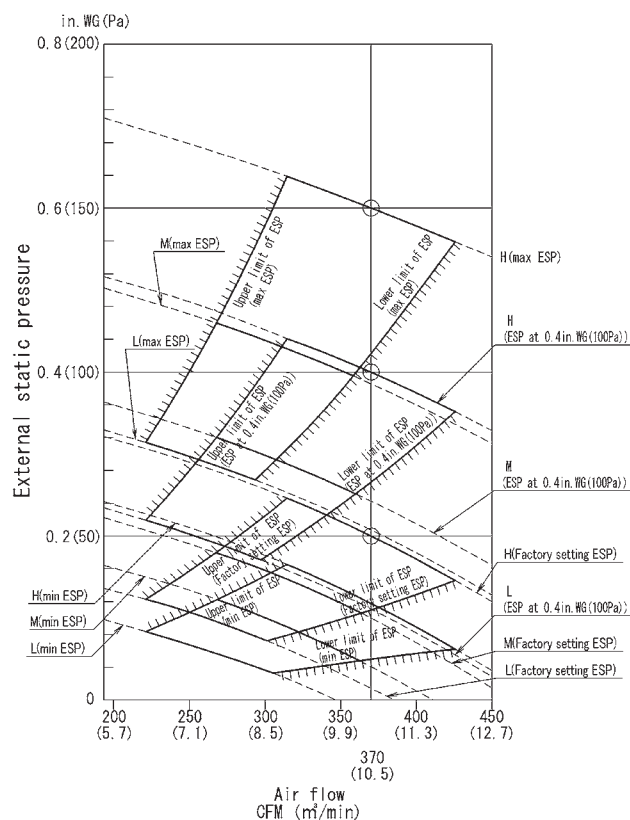
3D123451

9. Fan Characteristics

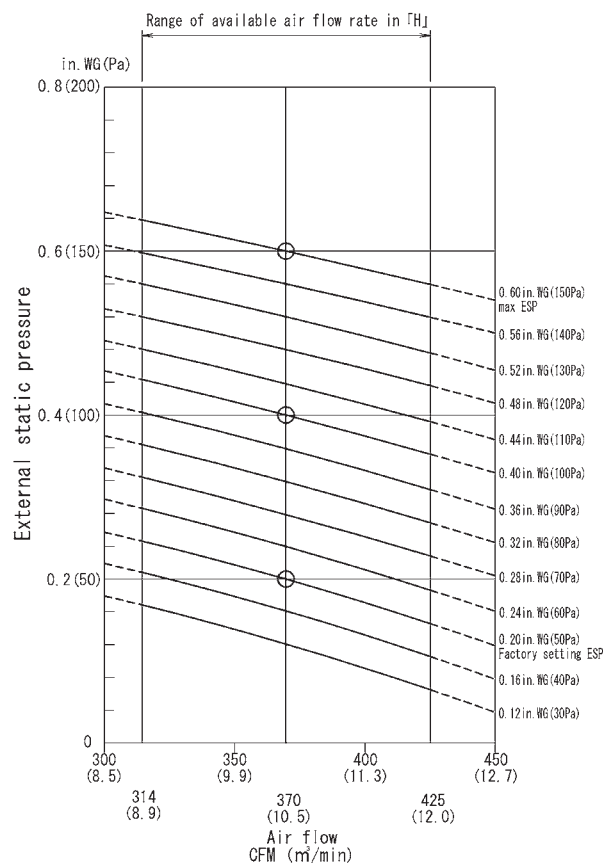
9.1 External Static Pressure

FDMQ12WVJU9

Fan characteristics ①



Fan characteristics ②
(For field setting of remote controller)



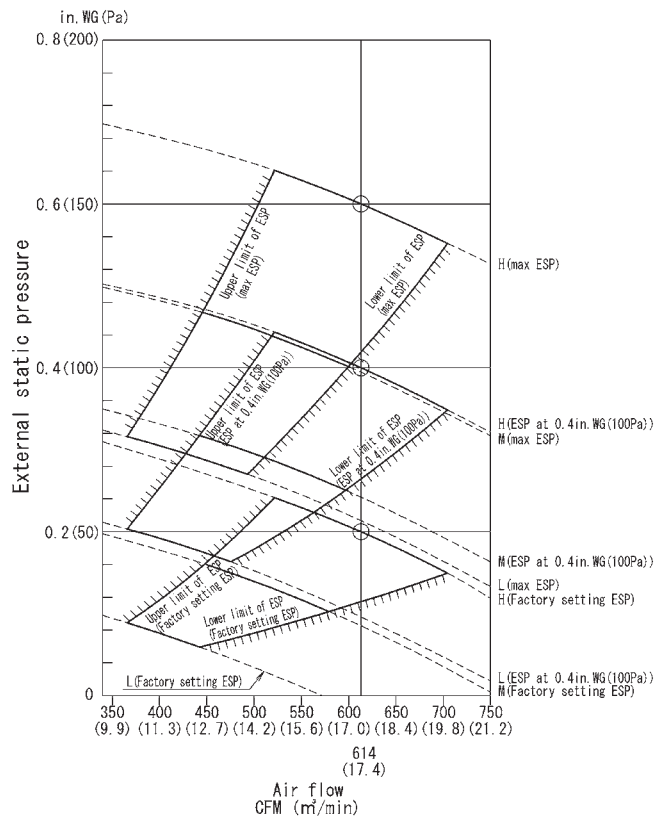
Notes:

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.

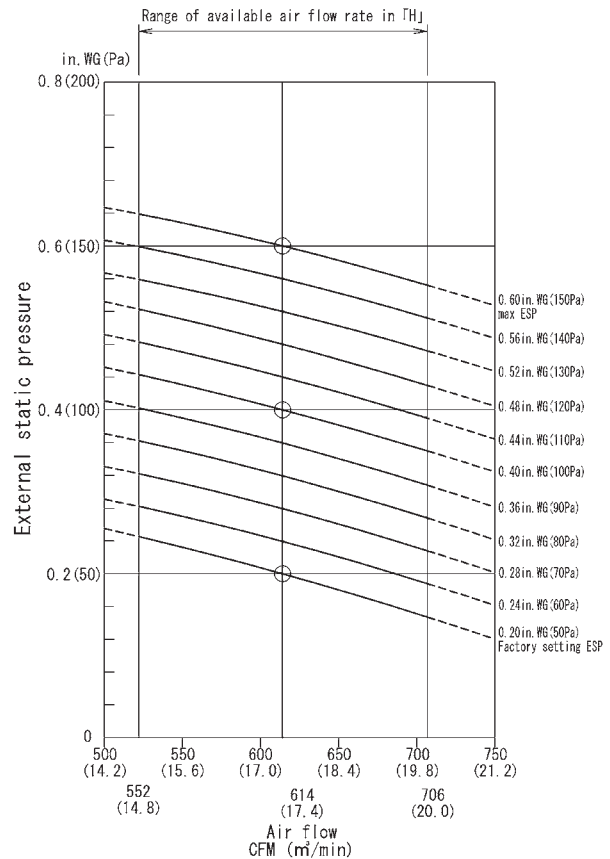
ESP : external static pressure

FDMQ18WVJU9

Fan characteristics ①



Fan characteristics ②
(For field setting of remote controller)



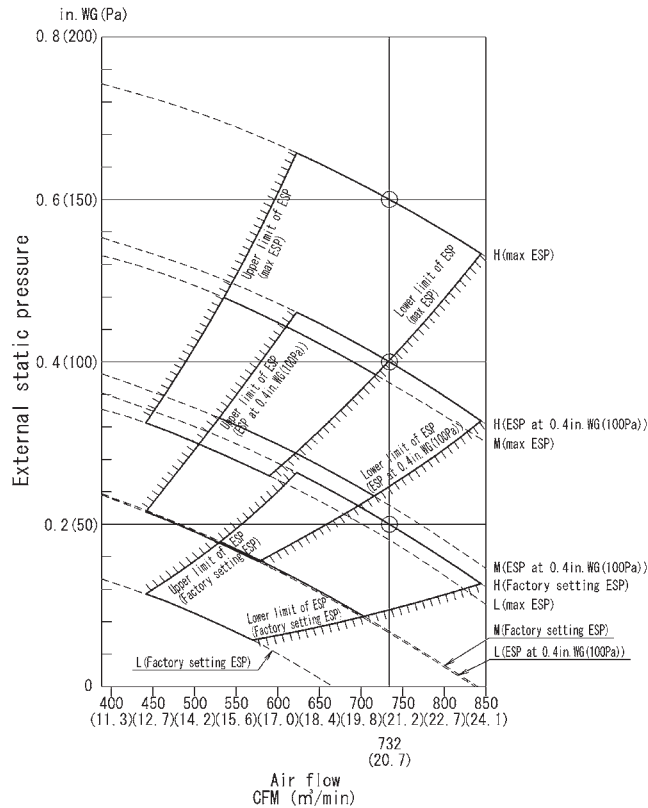
Notes:

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.

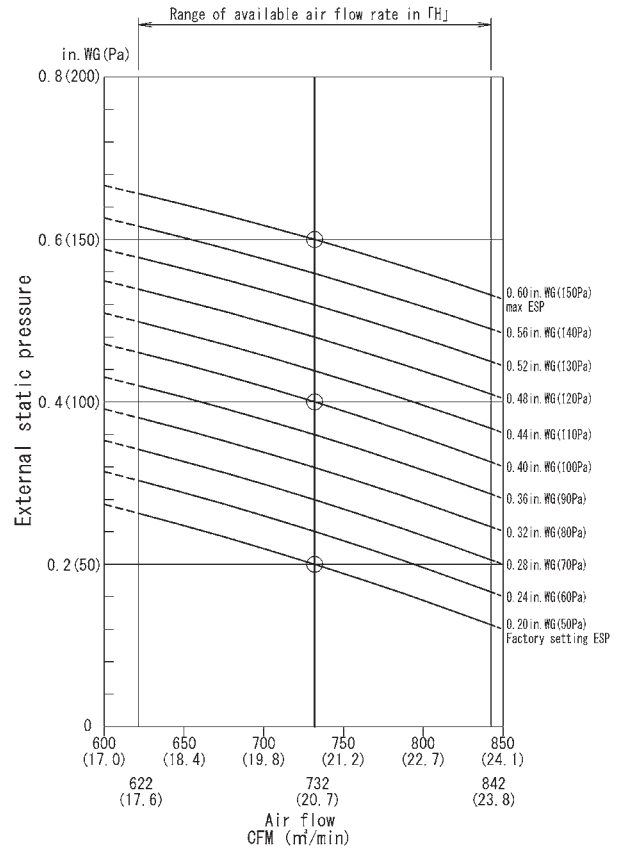
ESP : external static pressure

FDMQ24WVJU9

Fan characteristics ①



Fan characteristics ② (For field setting of remote controller)



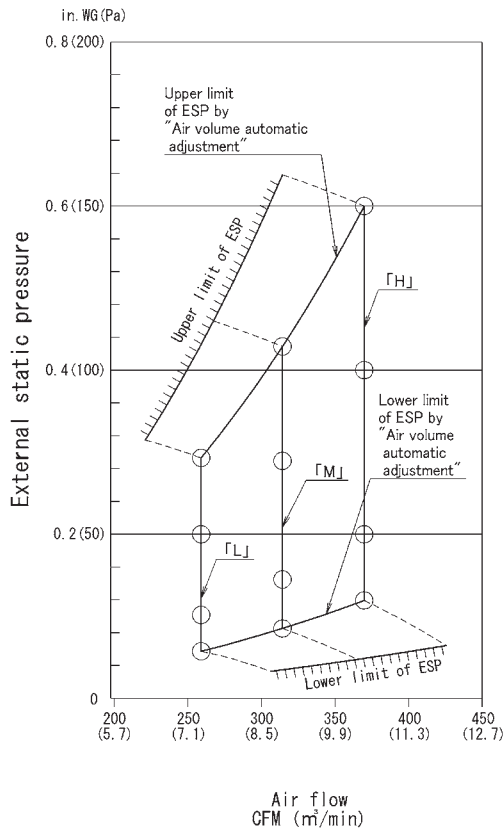
Notes:

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

FDMQ12WVJU9



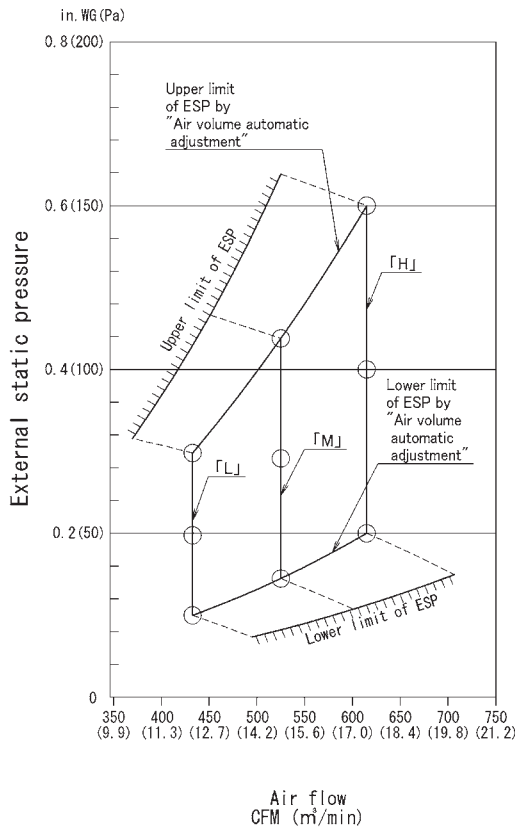
Notes :

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

FDMQ18WVJU9



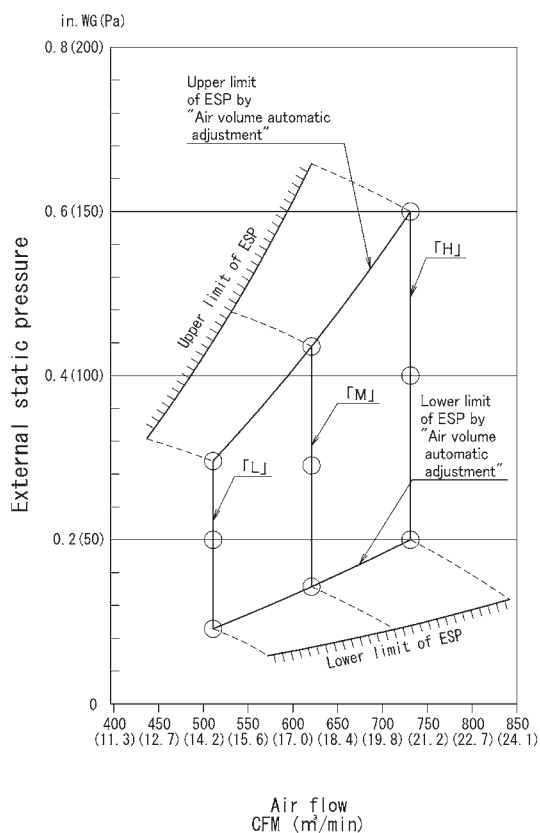
Notes :

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 :

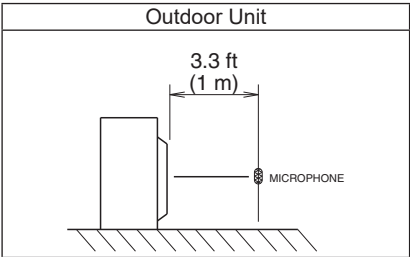
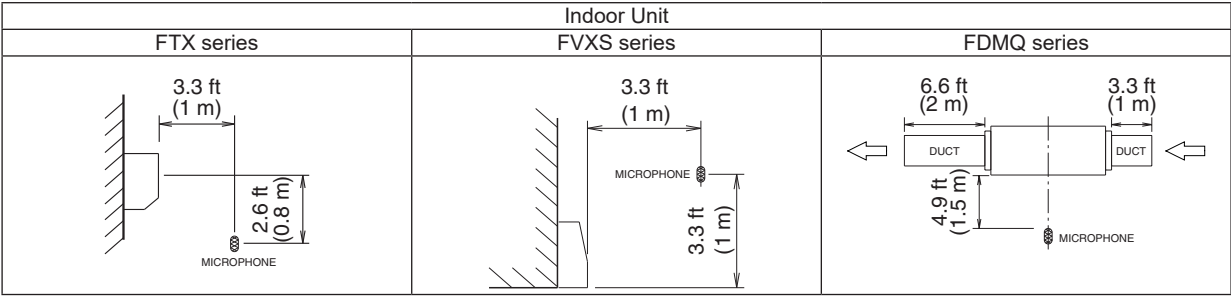
1. This indoor unit has the "Air volume automatic adjustment" function, which automatically adjusts the air flow rate so as to be approximately in the range of $\pm 10\%$ of the rated value, at the time of installation.
2. After duct construction completion, please perform field setting "Air volume automatic 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

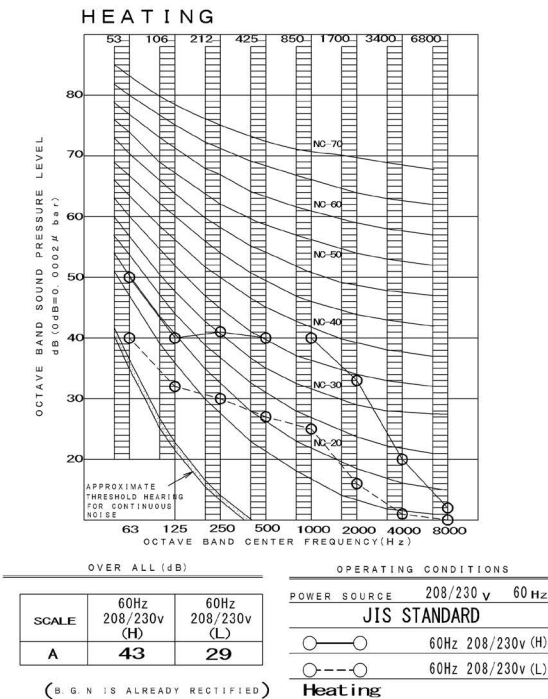
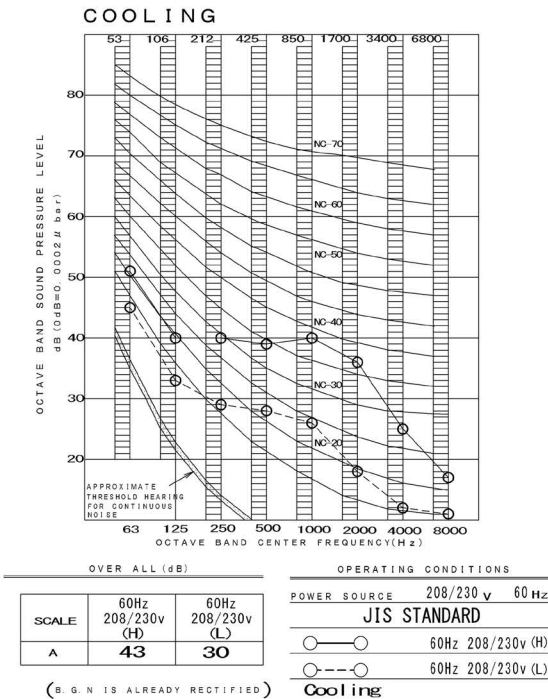
10.1 Measuring Location



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

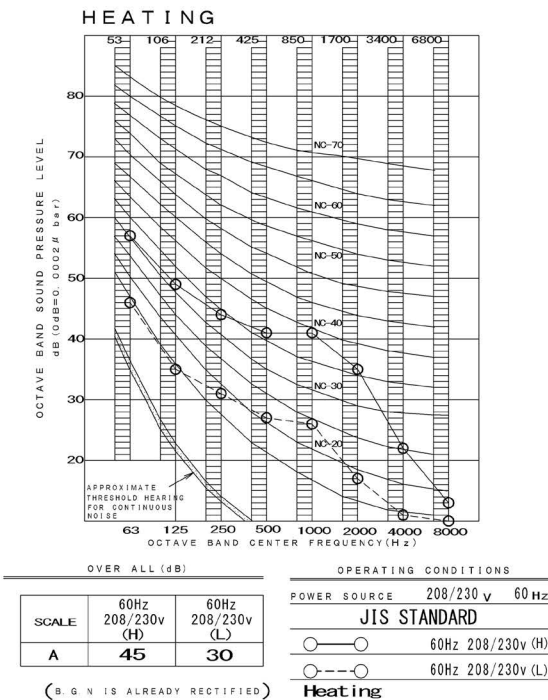
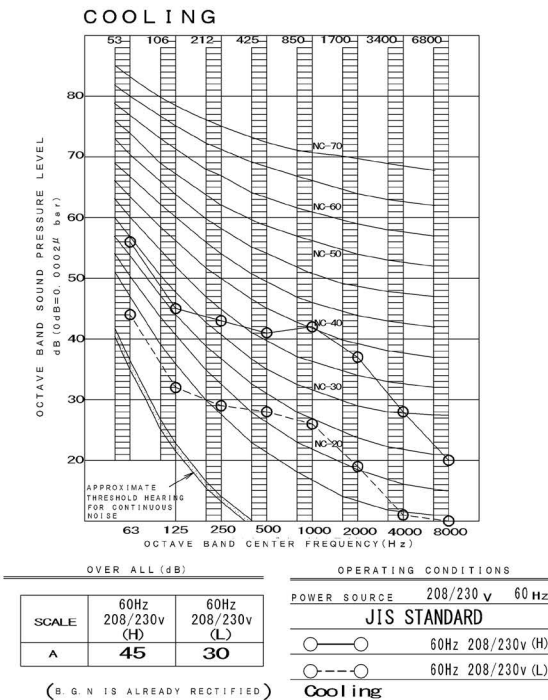
	Cooling	Heating	Piping Length
Indoor	80°FDB (26.7°CDB) / 67°FWB (19.4°CWB)	70°FDB (21°CDB) / 60°FWB (15.6°CWB)	25 ft (7.5 m)
Outdoor	95°FDB (35°CDB) / 75°FWB (24°CWB)	47°FDB (8.3°CDB) / 43°FWB (6°CWB)	

10.2 Indoor Unit
FTX09WMVJU9



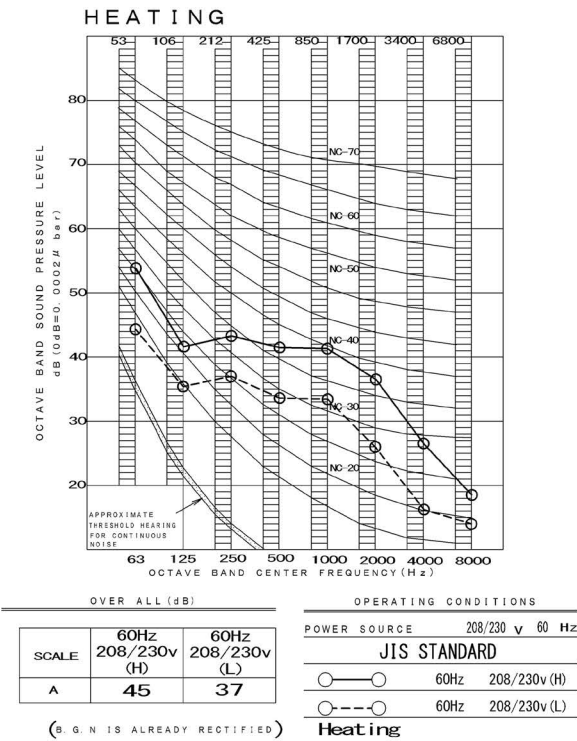
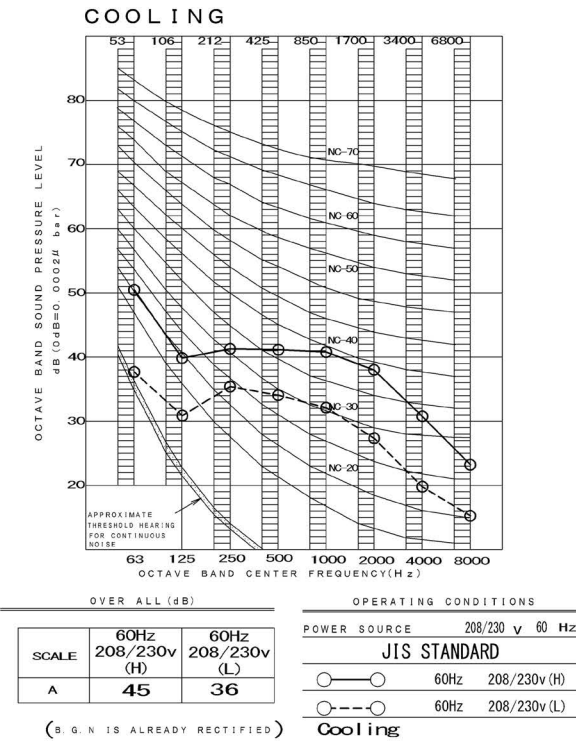
3D092957B

FTX12WMVJU9



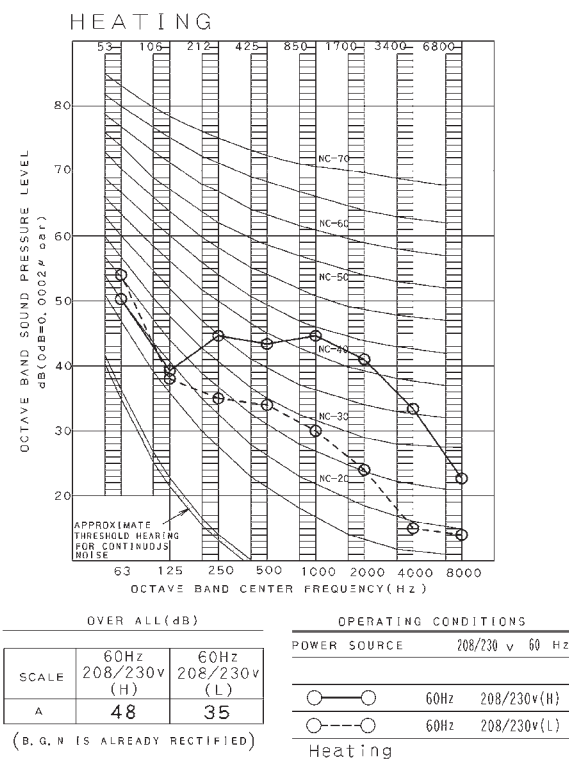
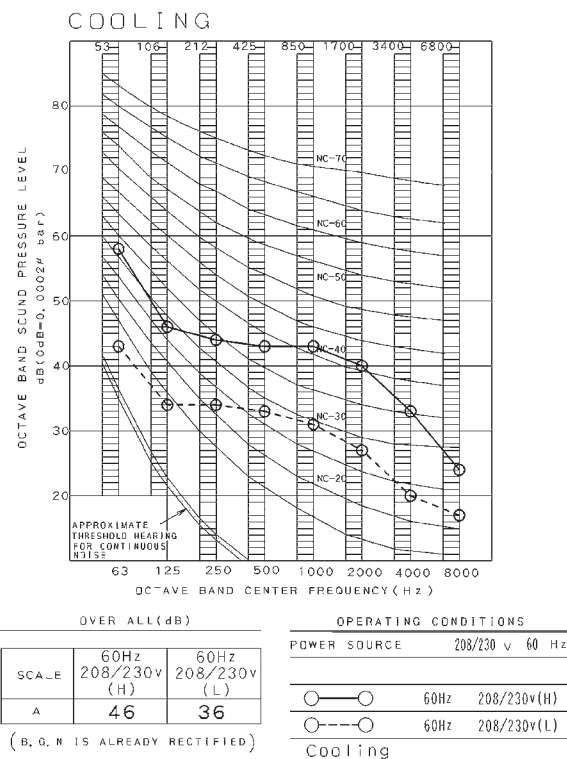
3D092886B

FTX15WMVJU9



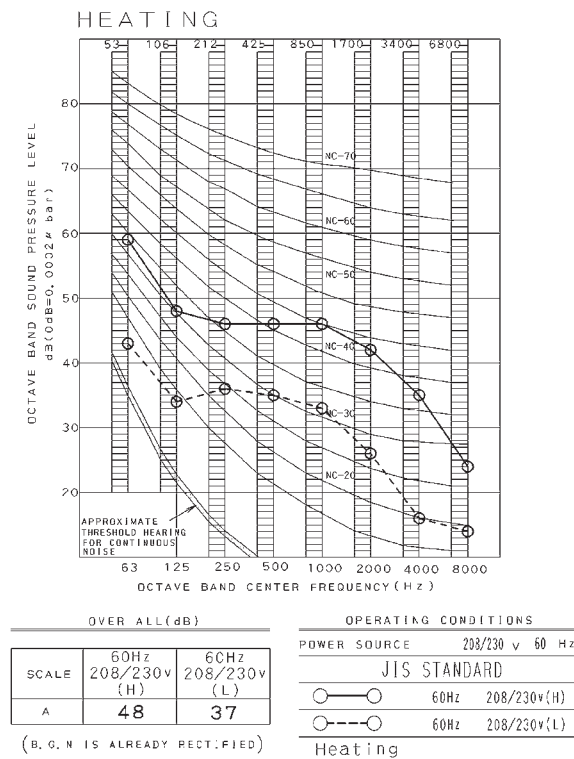
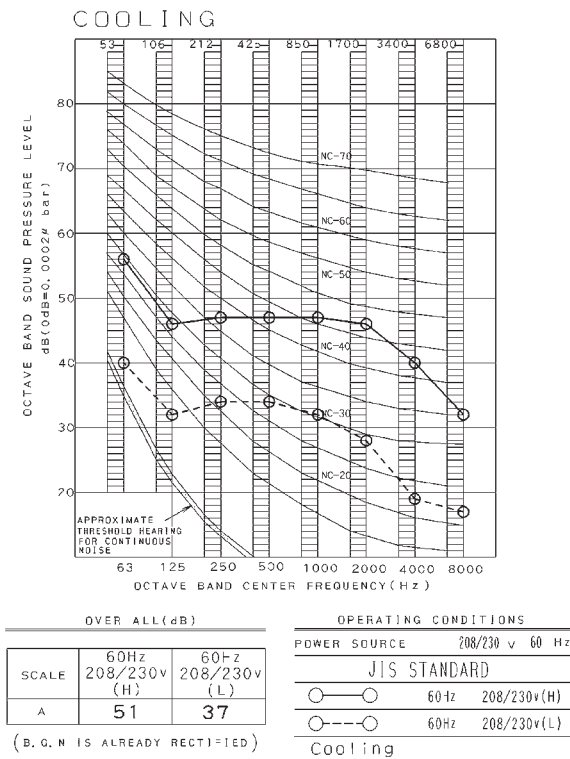
3D100354A

FTX18WVJU9



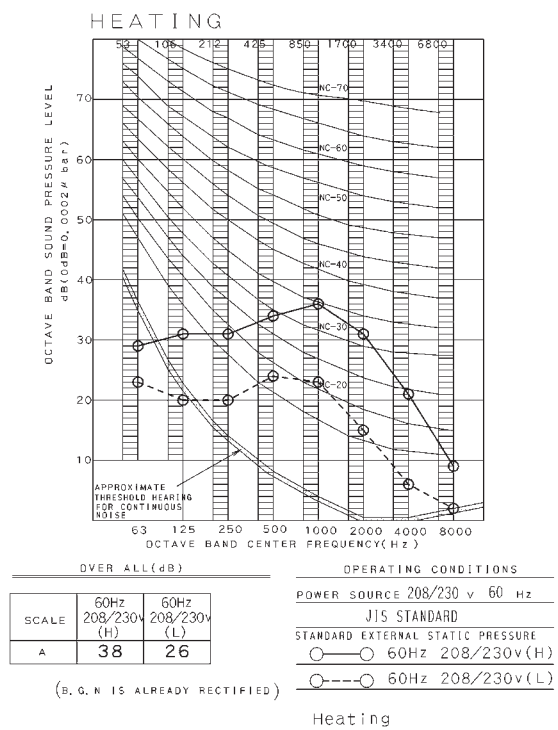
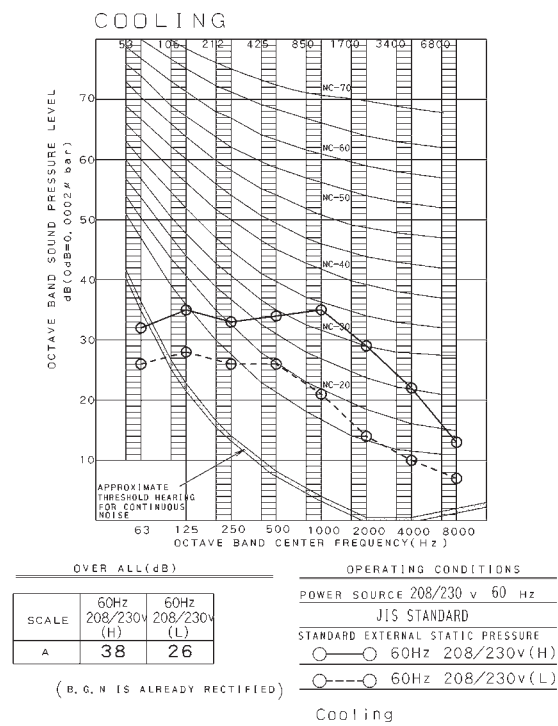
3D123455

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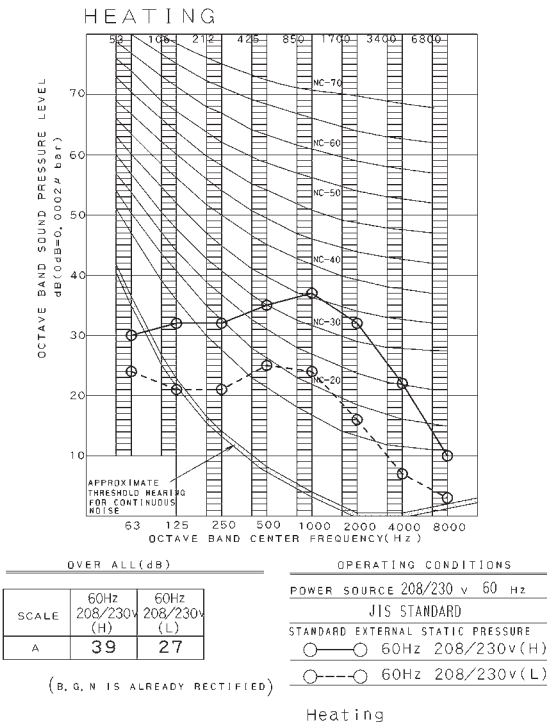
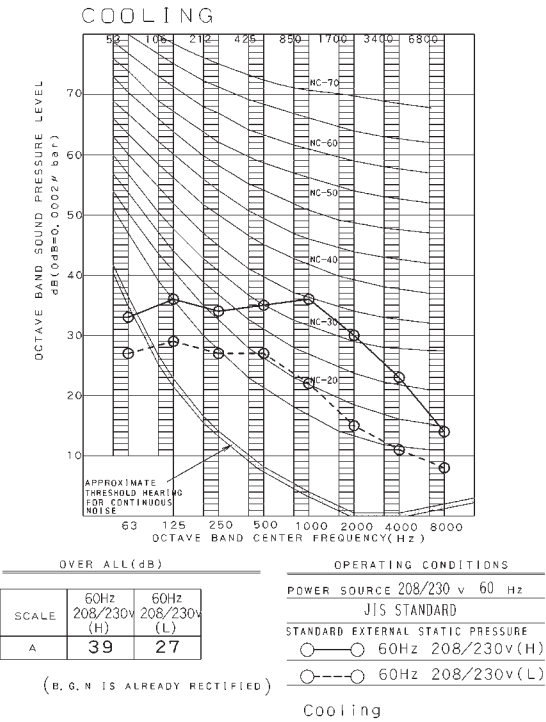
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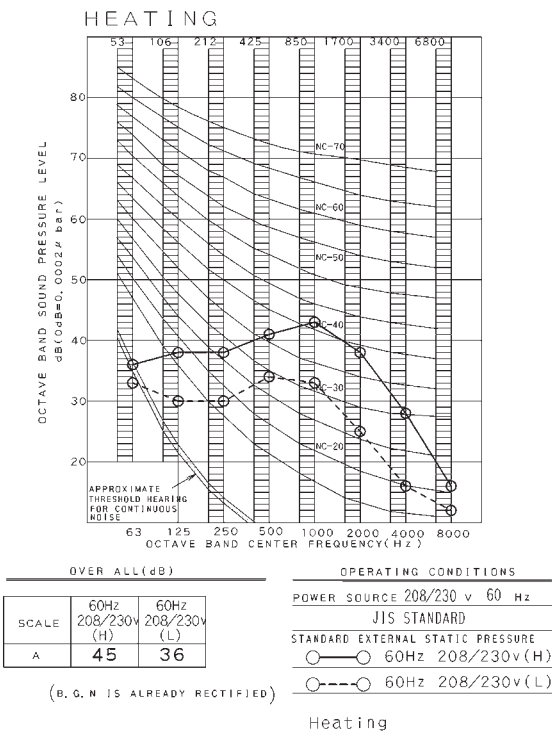
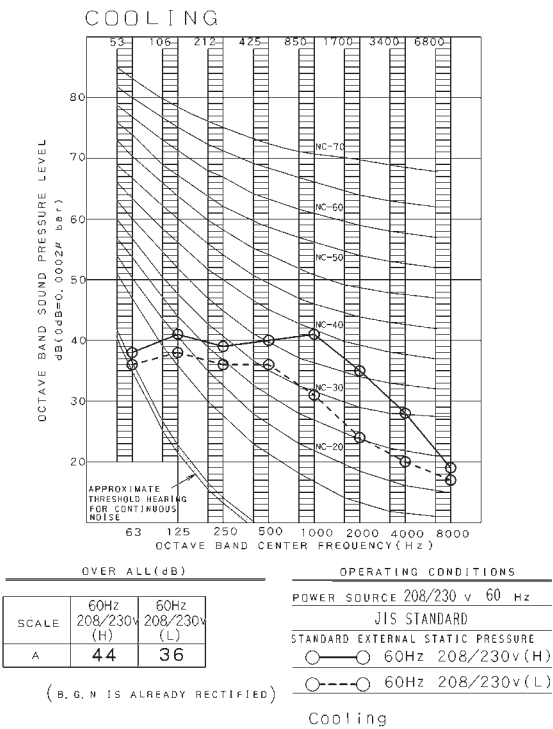
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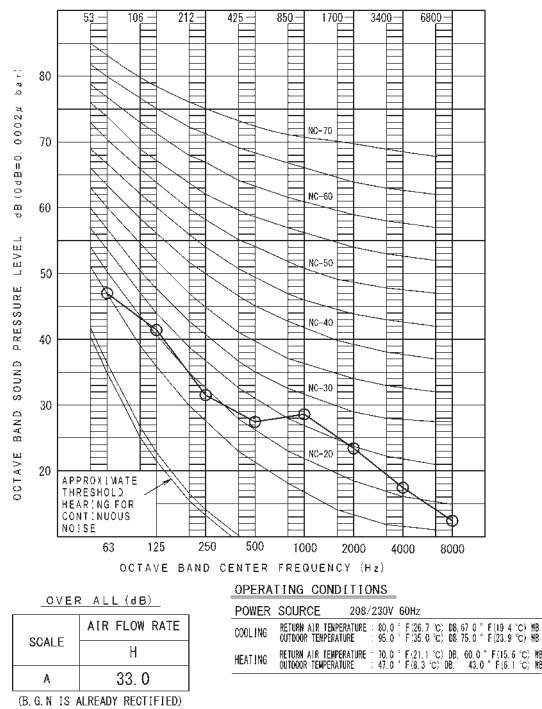
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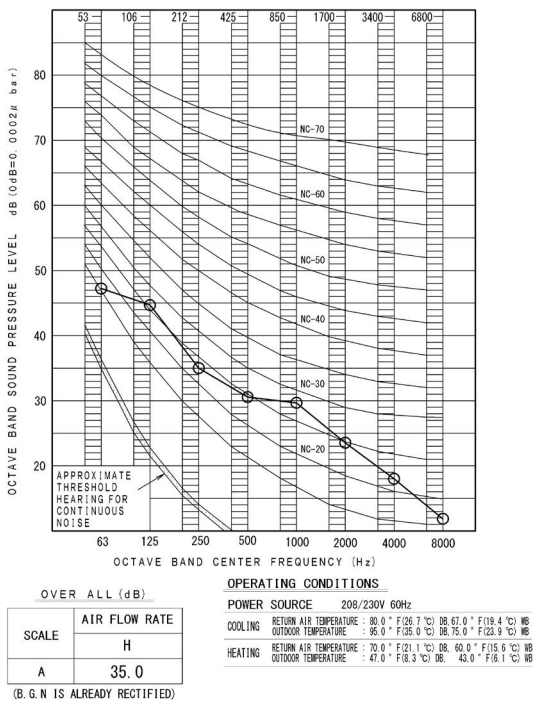


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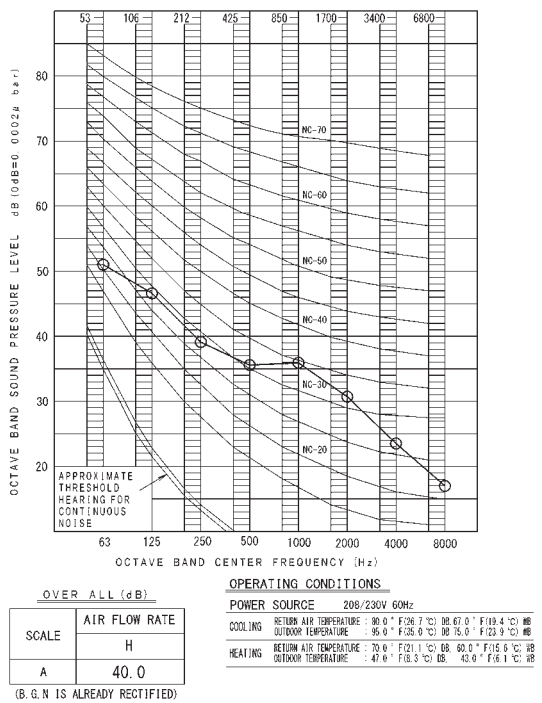
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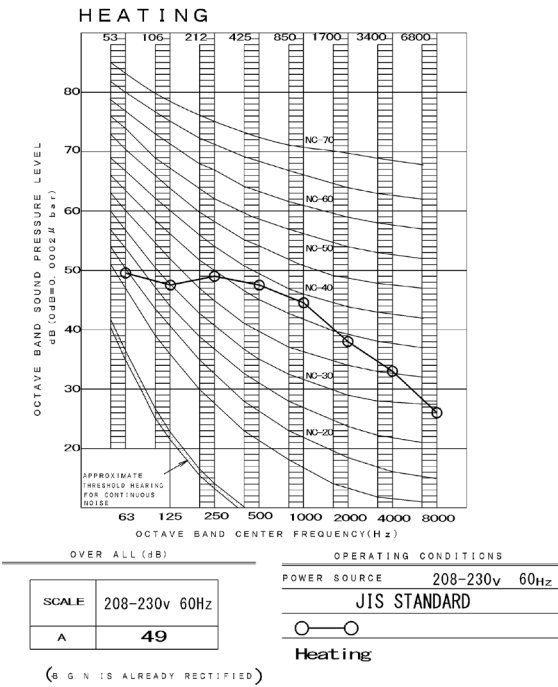
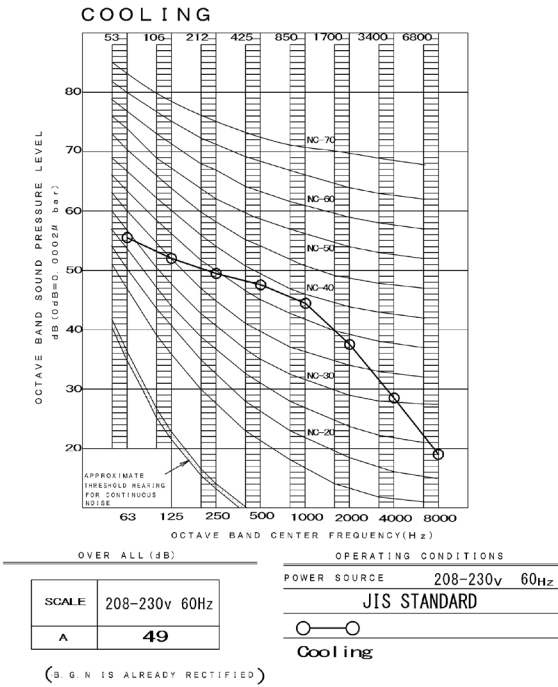
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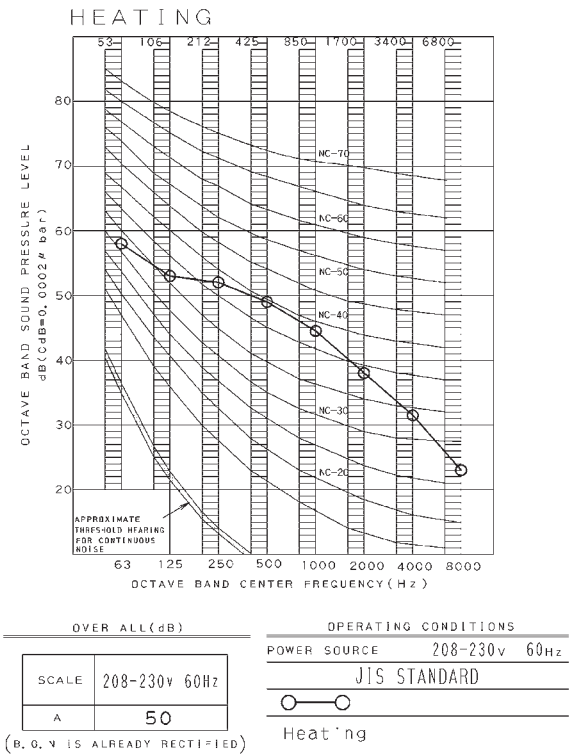
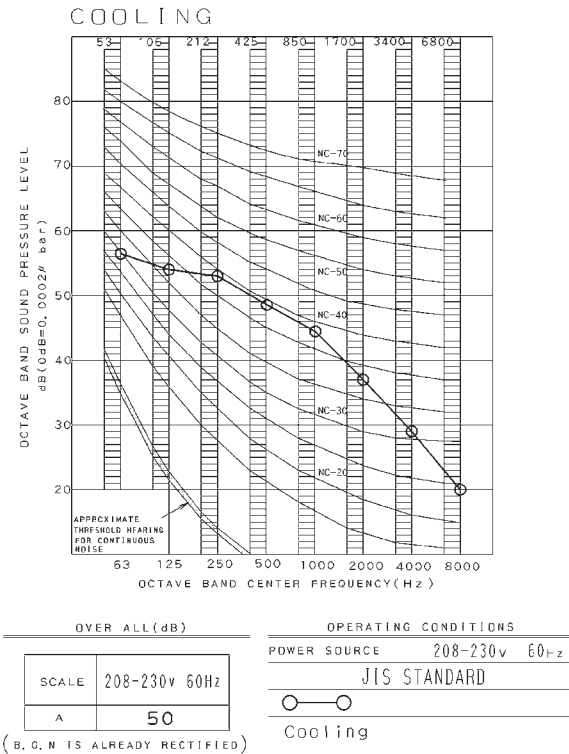
10.3 Outdoor Unit

RXL09WMVJU9



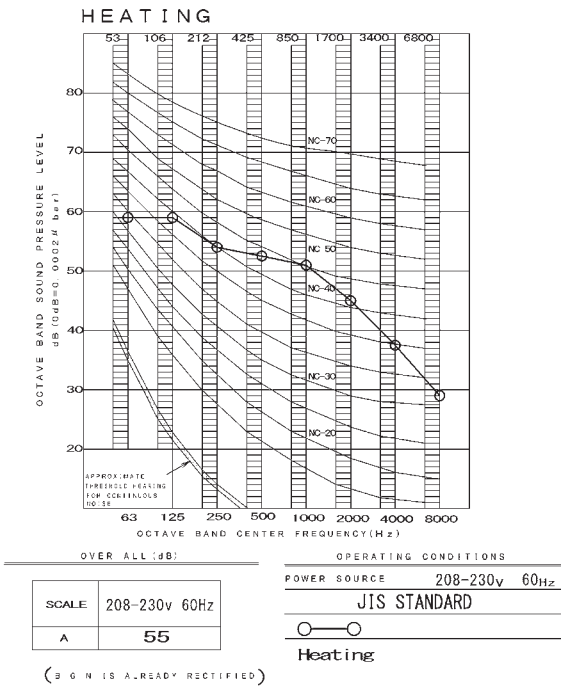
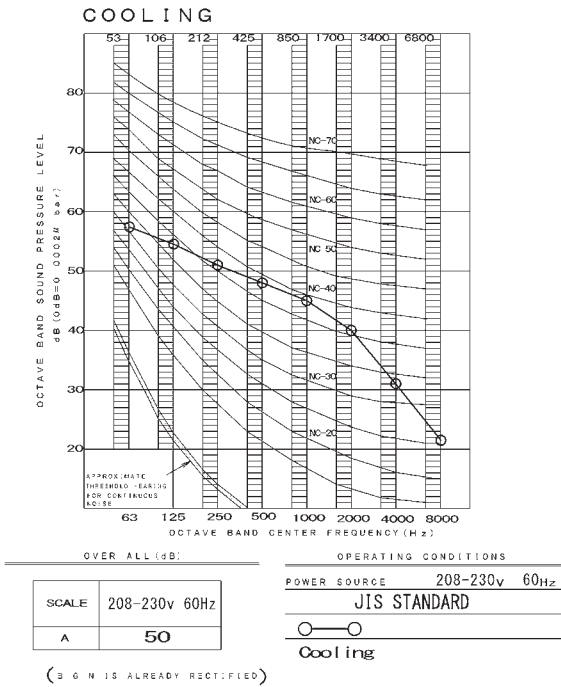
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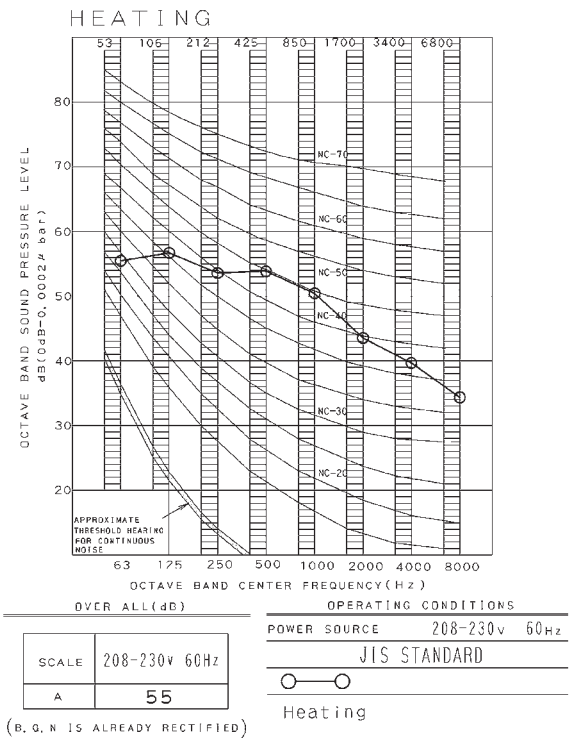
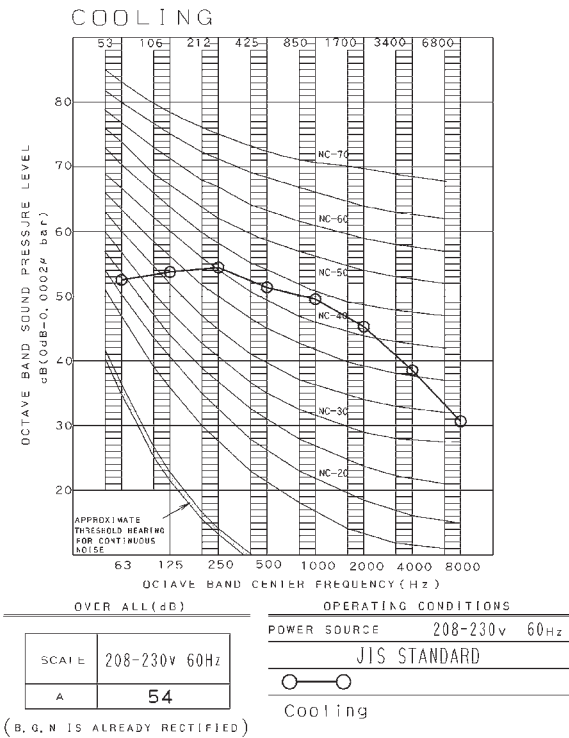
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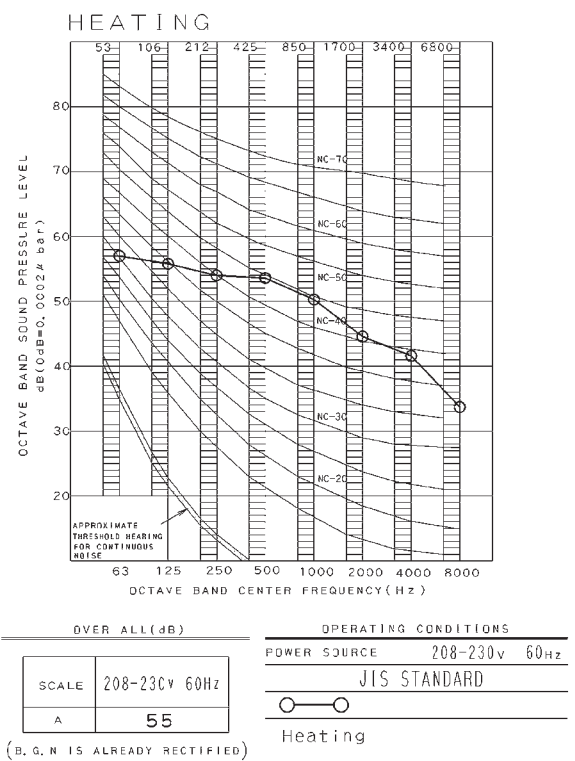
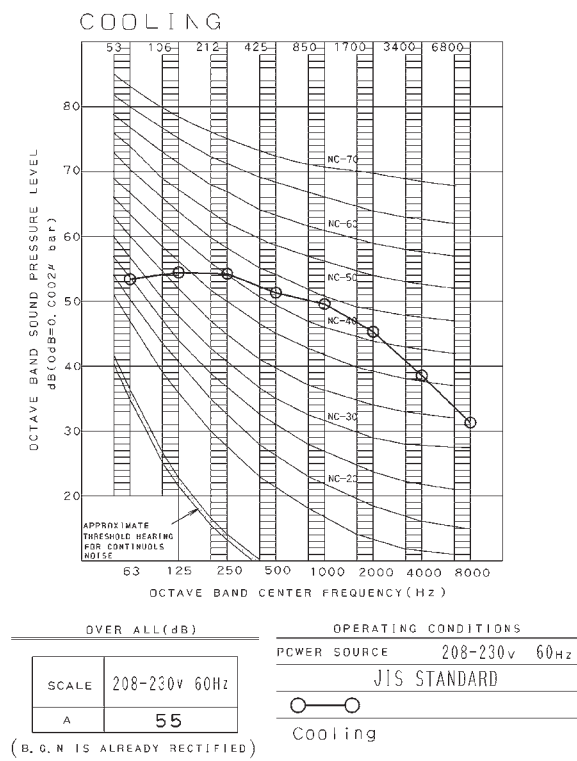
3D100636A

RXL18WMVJU9



3D123453

RXL24WMVJU9



3D123454

11. Electric Characteristics

Indoor Unit	Outdoor Unit	Power Supply				Compressor	OFM			IFM		
		Hz - Volts	Voltage Range	MCA	MFA		Hp	W	FLA	Hp	W	FLA
FTX09WMVJU9	RXL09WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	8.7	15	8.5	0.03	23	0.19	0.03	21	0.20
FTX12WMVJU9	RXL12WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	12.2	15	12.0	0.04	27	0.21	0.04	28	0.23
FTX15WMVJU9	RXL15WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	12.2	15	12.0	0.12	93	0.58	0.05	33	0.23
FTX18WVJU9	RXL18WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	18.6	20	18.3	0.16	122	0.77	0.07	48	0.37
FTX24WVJU9	RXL24WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	18.8	20	18.3	0.16	122	0.77	0.07	48	0.57
FVXS09WVJU9	RXL09WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	8.7	15	8.5	0.03	23	0.19	0.02	12	0.21
FVXS12WVJU9	RXL12WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	12.2	15	12.0	0.04	27	0.21	0.02	13	0.22
FVXS15WVJU9	RXL15WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	12.3	15	12.0	0.12	93	0.58	0.03	23	0.29
FDMQ12WVJU9	RXL12WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	12.6	15	12.0	0.04	27	0.21	0.17	130	0.63
FDMQ18WVJU9	RXL18WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	19.1	20	18.3	0.16	122	0.77	0.31	230	0.84
FDMQ24WVJU9	RXL24WMVJU9	60 Hz - 208 V 60 Hz - 230 V	Max. 60 Hz, 253 V Min. 60 Hz, 187 V	19.3	20	18.3	0.16	122	0.77	0.31	230	1.10

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: 3D143133A