Submittal Data Sheet
0.75-Ton Duct Concealed and Heat Pump
FDMQ09WVJU9RX09WMVJU9

Model	**Indoor Unit**		**FDMQ09WVJU9**	
	Outdoor Unit		**RX09WMVJU9**	
			Cooling	**Heating**
Power Supply			1 φ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	9,000 (3,900 - 9,400)	10,900 (3,900 - 12,800)
Running Current (Rated)		A	5.30 - 4.79	5.34 - 4.83
Power Consumption (Rated)		W	1,059 - 1,059	1,065 - 1,065
Power Factor (Rated)		%	96.1 - 96.1	95.9 - 95.8
SEER2 / HSPF2			14.30	8.20
EER2 (Rated)		Btu/h·W	8.50	—
COP2 (Rated)		W/W	—	3.00
Piping Connections	Liquid	in. (mm)	φ 1/4 (6.4)	
	Gas	in. (mm)	φ 3/8 (9.5)	
	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)	65-5/8 (20)	
Max. Interunit Height Difference		ft (m)	49-1/4 (15)	
Chargeless		ft (m)	32-3/4 (10)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.21 (20)	
Indoor Unit			**FDMQ09WVJU9**	
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	293 / 265 / 233	293 / 265 / 233
		m3/min	8.3 / 7.5 / 6.6	8.3 / 7.5 / 6.6
Fan Motor	H / M / L	rpm	997 / 896 / 795	997 / 896 / 795
	Motor Output	HP	0.17	
Fan	Type		Sirocco Fan	

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External Static Pressure		inH2O	Standard 0.20 (0.60 - 0.12)	
		Pa	Standard 50 (150 - 30)	
Running Current (Rated)		A	0.40 - 0.36	0.40 - 0.36
Power Consumption (Rated)		W	75 - 75	75 - 75
Power Factor (Rated)		%	90.2 - 90.7	90.2 - 90.7
Temperature Control			Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)	
Weight (Mass)		lbs (kg)	64 (29)	
Sound Pressure Level		dB(A)	32	32
Remote Controller (Option)		Wired	BRC1E73	
		Wireless	BRC082A43	
Outdoor Unit			**RX09WMVJU9**	
Casing Color			Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / φ 7 Hi-XSL Tube	
Fan Motor	Motor Output	HP	0.03	
Compressor	Type		Hermetically Sealed Swing Type	
	Model		1YC23AUXD	
Refrigerant Oil	Type		FVC50K	
	Charge	oz (L)	12.68 (0.375)	
Refrigerant	Type		R-410A	
	Charge	lbs (kg)	2.09 (0.95)	
Airflow Rate		cfm (m3/min)	985 (27.9)	1,144 (32.4)
Fan	Type		Propeller	
Running Current (Rated)		A	4.90 - 4.43	4.94 - 4.47
Power Consumption (Rated)		W	984 - 984	990 - 990
Power Factor (Rated)		%	96.5 - 96.6	96.3 - 96.3
Dimensions (H × W × D)		in. (mm)	21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)	

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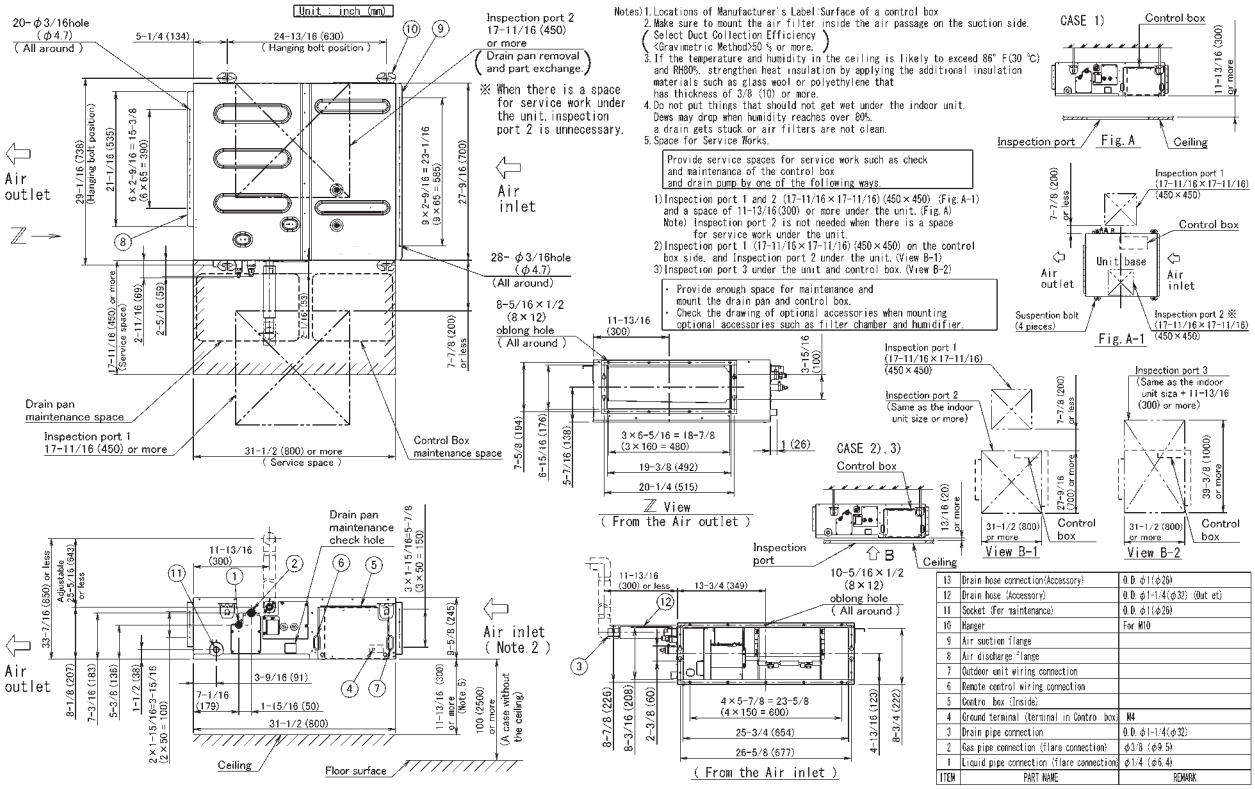
Weight (Mass)		lbs (kg)	63 (29)	
Sound Pressure Level		dB(A)	46	50
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft (7.5 m)	

FDMQ09/12WVJU9



ITEM	PART NAME	REMARK
13	Drain hose connection(Accessory)	O.D. φ1(φ26)
12	Drain hose (Accessory)	O.D. φ1-1/4(φ32) (Out et)
11	Socket (For maintenance)	O.D. φ1(φ26)
10	Hanger	For M10
9	Air suction flange	
8	Air discharge flange	
7	Outdoor unit wiring connection	
6	Remote control wiring connection	
5	Control box (Inside)	
4	Ground terminal (terminal in Control box)	M4
3	Drain pipe connection	O.D. φ1-1/4(φ32)
2	Gas pipe connection (Flare connection)	φ3/8 (φ9.5)
1	Liquid pipe connection (Flare connection)	φ1/4 (φ6.4)

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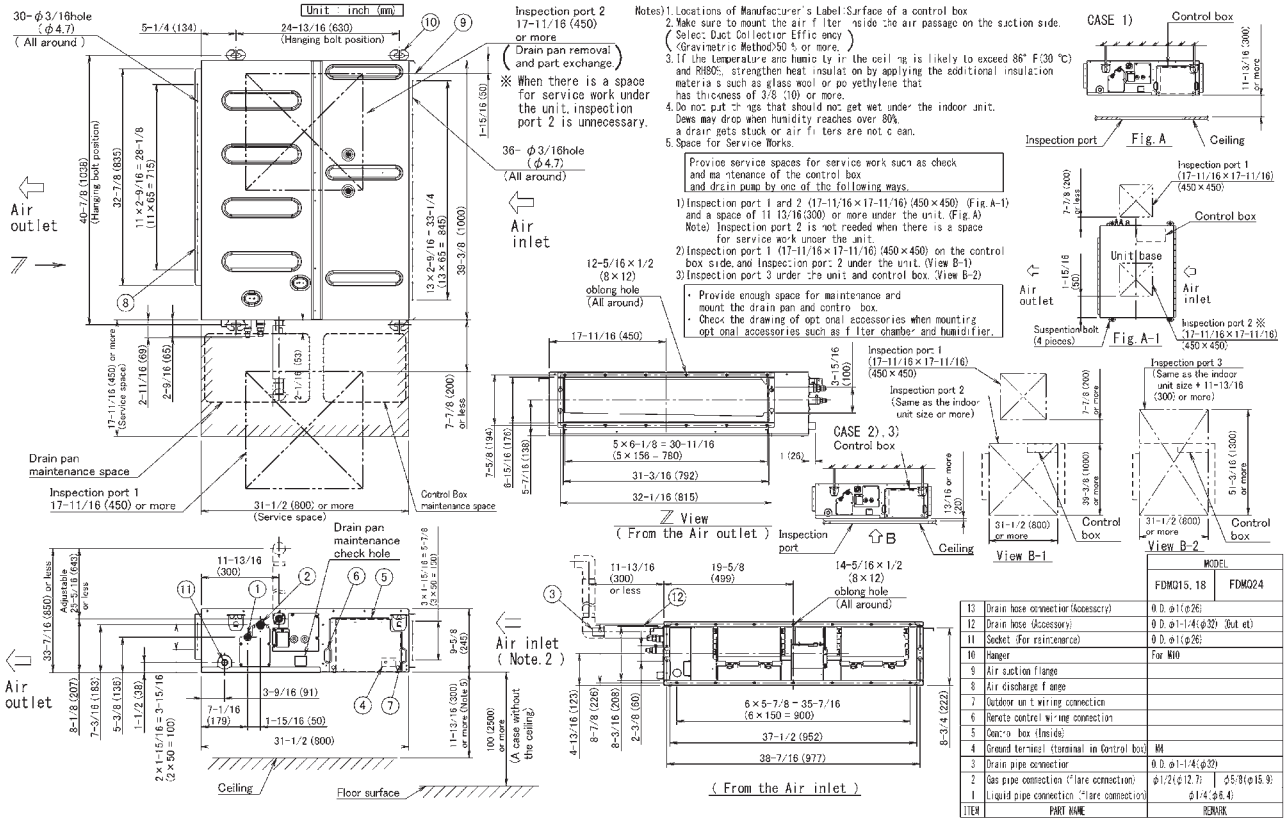
FDMQ15/18/24WVJU9



ITEM	PART NAME	MODEL FDMQ15, 18	MODEL FDMQ24
13	Drain hose connection(Accessory)	O.D. φ1(φ26)	
12	Drain hose (Accessory)	O.D. φ1-1/4(φ32) (Out et)	
11	Socket (For maintenance)	O.D. φ1(φ26)	
10	Hanger	For M10	
9	Air suction flange		
8	Air discharge flange		
7	Outdoor unit wiring connection		
6	Remote control wiring connection		
5	Control box (Inside)		
4	Ground terminal (terminal in Control box)	M4	
3	Drain pipe connection	O.D. φ1-1/4(φ32)	
2	Gas pipe connection (Flare connection)	φ1/2(φ12.7)	φ5/8(φ15.9)
1	Liquid pipe connection (Flare connection)	φ1/4(φ6.4)	

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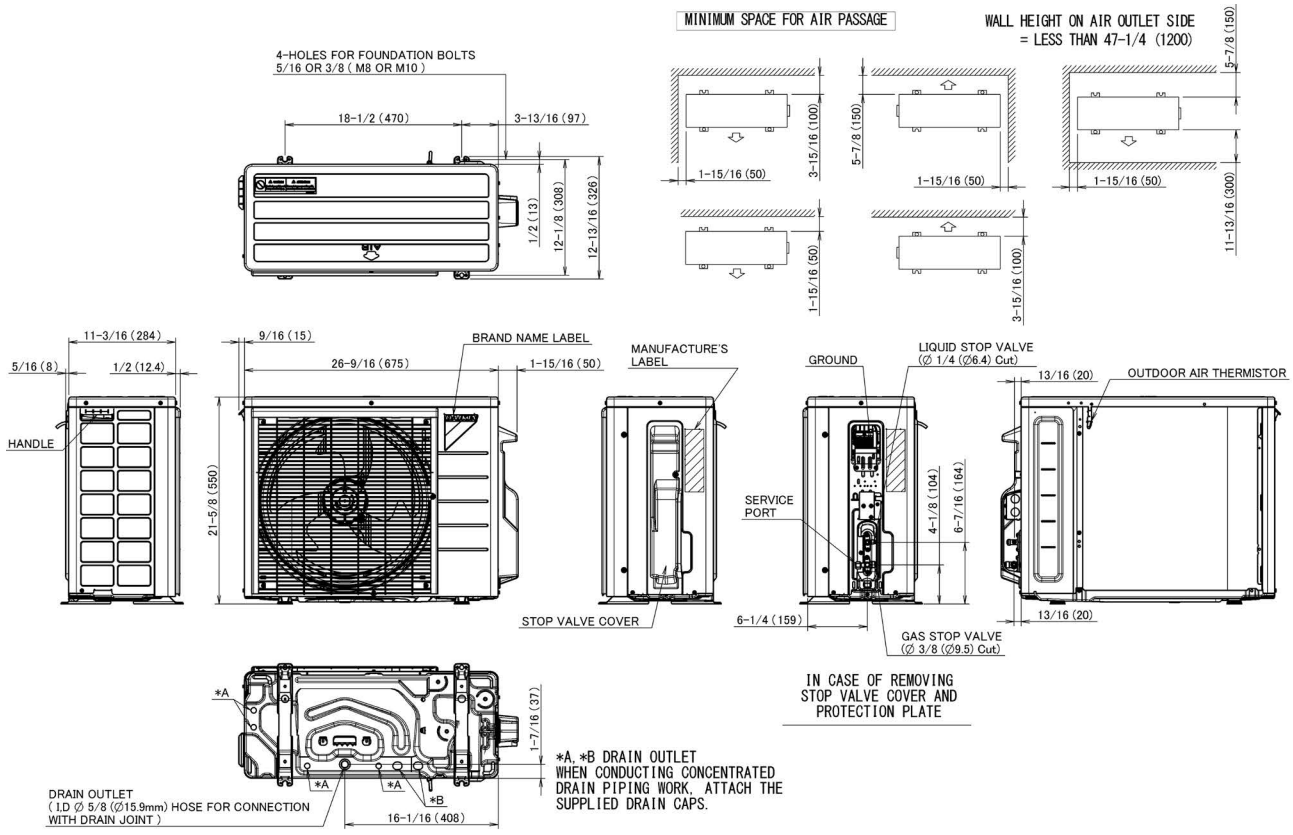
4.2 Outdoor Unit

RX09/12WMVJU9



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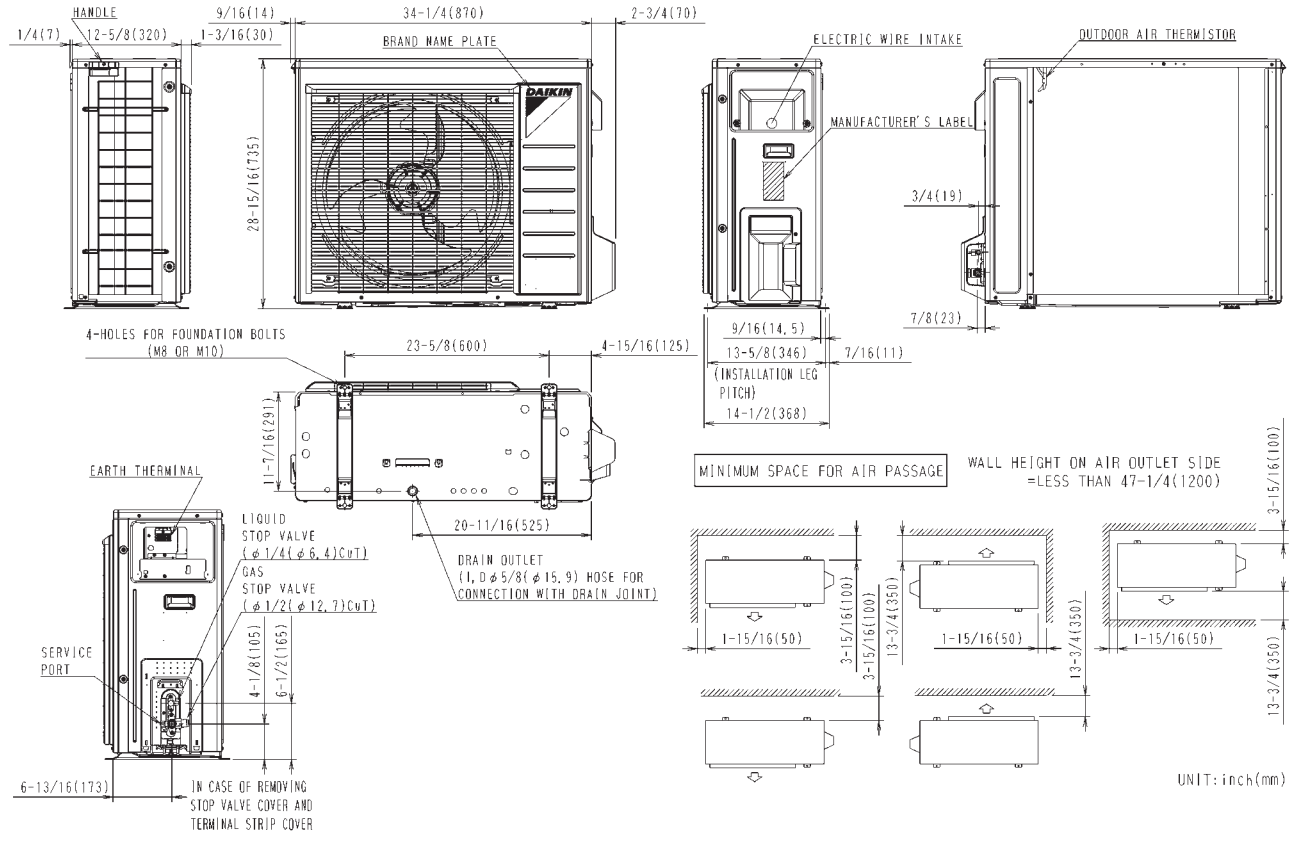
RX15/18WMVJU9



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11. Electric Characteristics

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

Symbols:

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

Notes:

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

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