Submittal Data Sheet
2.0-Ton Duct Concealed and Heat Pump
FDMQ24WVJU9RXL24WMVJU9

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)	

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		Pa	Standard 50 (150 - 50)	
Running Current (Rated)		A	0.82 - 0.74	0.82 - 0.74
Power Consumption (Rated)		W	167 - 167	167 - 167
Power Factor (Rated)		%	97.8 - 97.5	97.8 - 97.5
Temperature Control			Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)	
Packaged Dimensions (H × W × D)		in. (mm)	11-9/16 × 47-3/16 × 34-7/8 (293 × 1,199 × 886)	
Weight (Mass)		lbs (kg)	82 (37)	
Gross Weight (Gross Mass)		lbs (kg)	88 (40)	
Sound Pressure Level		dB(A)	40	40
Remote Controller (Option)		Wired	BRC1E73	
		Wireless	BRC082A43	
Outdoor Unit			**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)	

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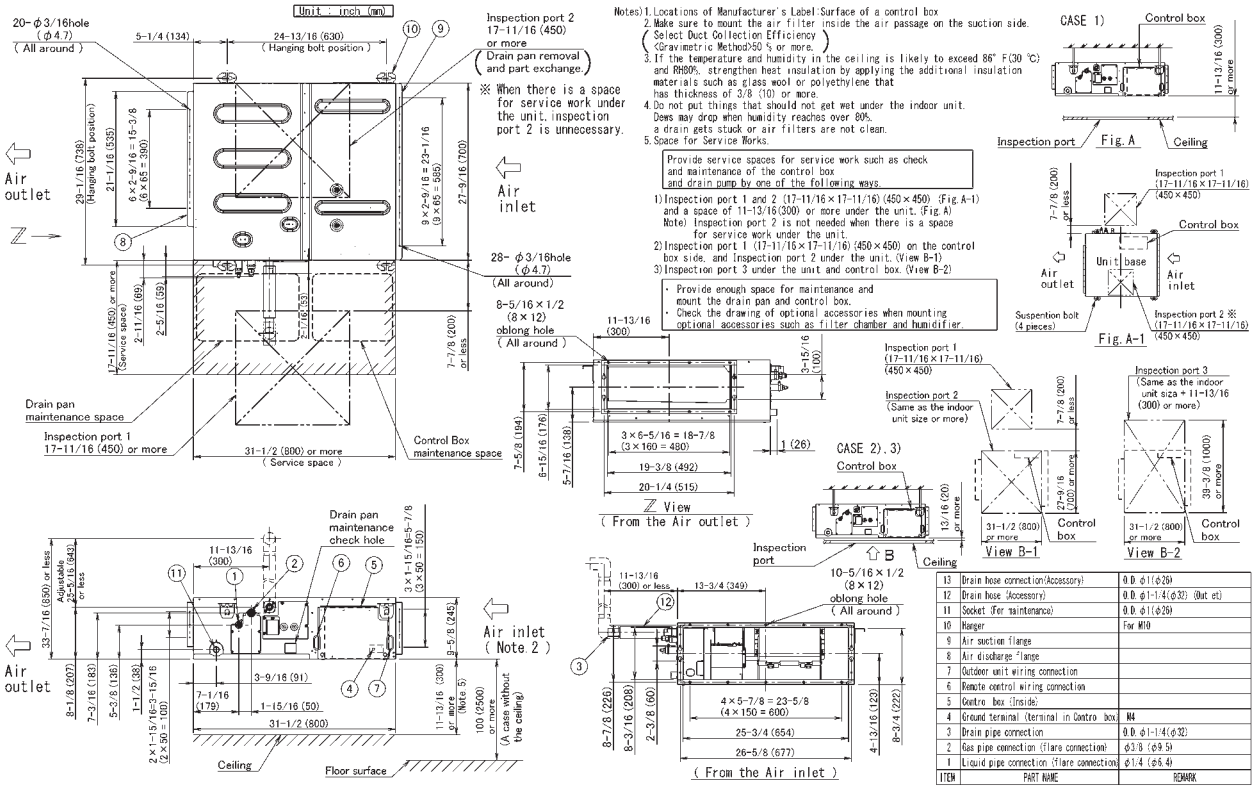
Packaged Dimensions (H × W × D)		in. (mm)	31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)	
Weight (Mass)		lbs (kg)	132 (60)	
Gross Weight (Gross Mass)		lbs (kg)	142 (65)	
Sound Pressure Level		dB(A)	55	55
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (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.			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.	

FDMQ12WVJU9



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	Contro box (Inside)	
4	Ground terminal (terminal in Contro 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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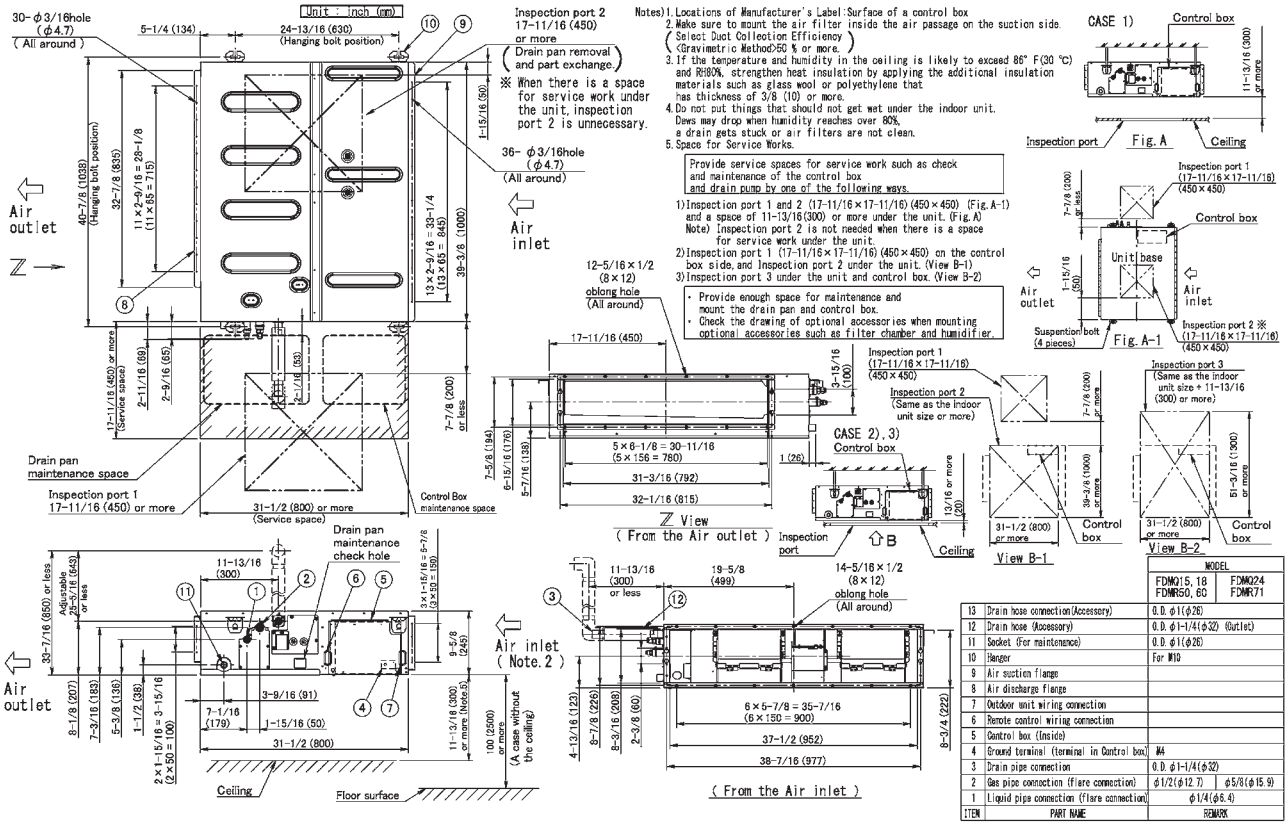

ITEM	PART NAME	MODEL FDMQ15, 18 FDMR50, 60	MODEL FDMQ24 FDMR71
13	Drain hose connection(Accessory)	O.D. φ1(φ26)	
12	Drain hose (Accessory)	O.D. φ1-1/4(φ32) (Outlet)	
11	Socket (For maintenance)	O.D. φ1(φ26)	
10	Hanger	For M10	
9	Air suction flange		
8	Air discharge flange		
7	Outdoor unit wiring connection		
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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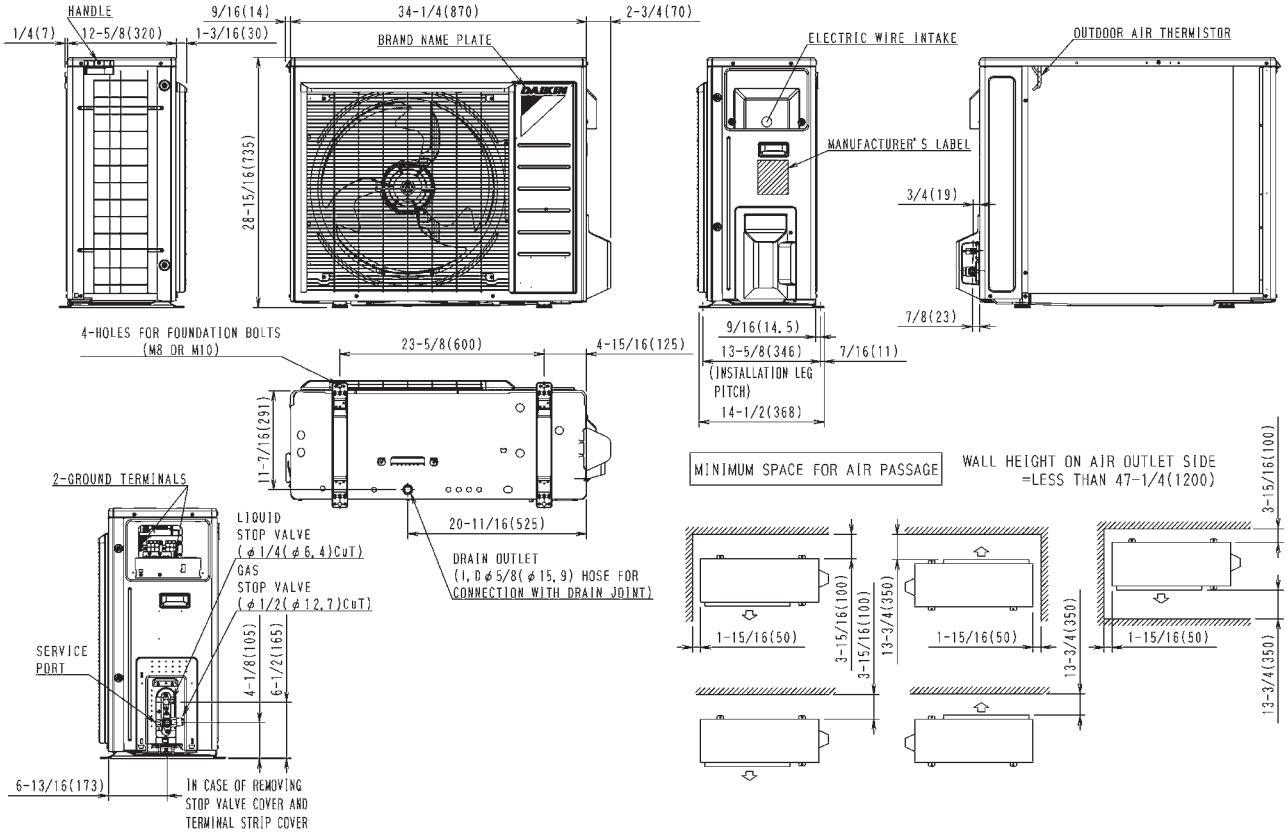
RXL18WMVJU9



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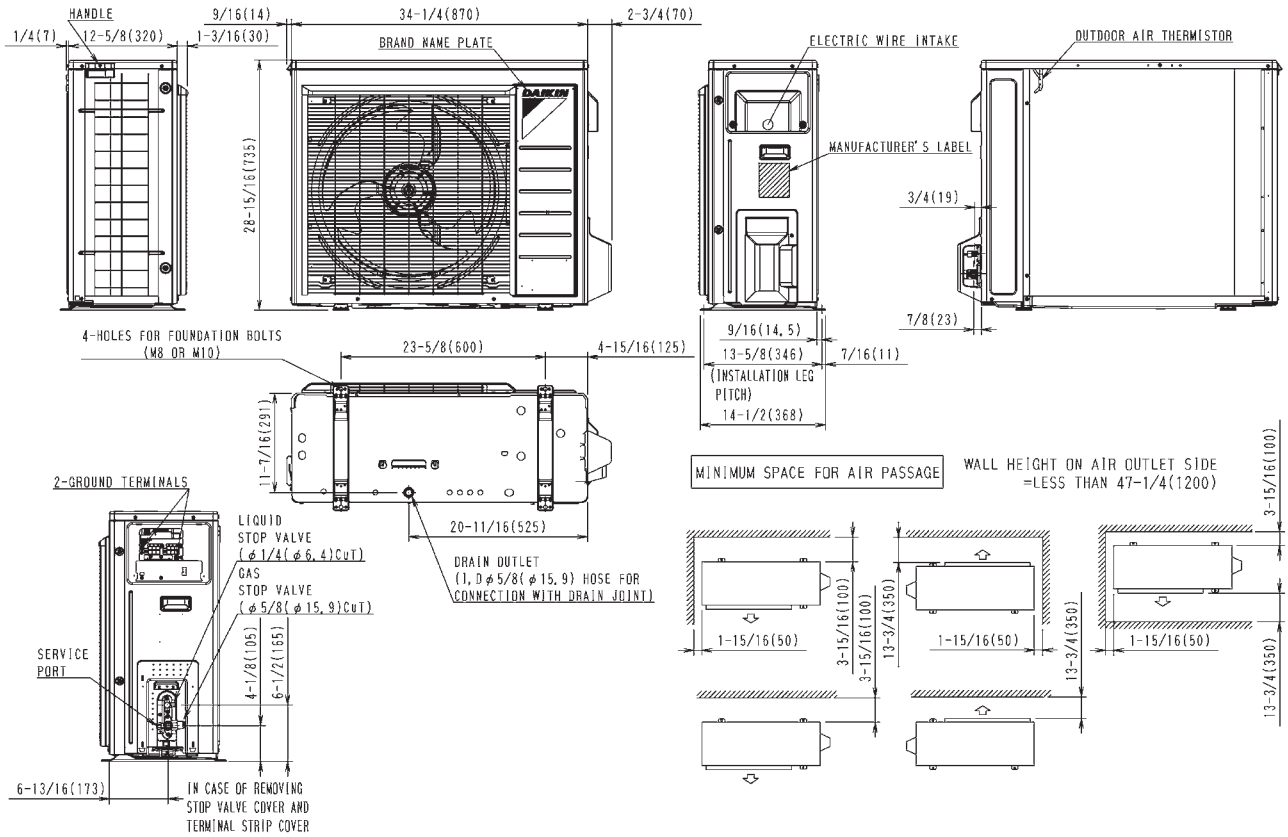
RXL24WMVJU9



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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
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.

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