



Submittal Data Sheet  
 2.0-Ton Duct Concealed and Heat Pump  
 FDMQ24WVJU9RX24WMVJU9

Model		Indoor Unit		FDMQ24WVJU9	
		Outdoor Unit		RX24WMVJU9	
				Cooling	Heating
Power Supply		1 $\phi$ , 208 - 230 V, 60 Hz			
Capacity Rated (Min. - Max.)	Btu/h	21,800 (5,500 - 23,000)	24,000 (6,400 - 26,600)		
Running Current (Rated)	A	10.56 - 9.55	11.37 - 10.28		
Power Consumption (Rated)	W	2,180 - 2,180	2,345 - 2,345		
Power Factor (Rated)	%	99.2 - 99.2	99.2 - 99.2		
SEER2 / HSPF2		15.20		8.10	
EER2 (Rated)	Btu/h·W	10.00		—	
COP2 (Rated)	W/W	—		3.00	
Piping Connections	Liquid	in. (mm)	$\phi$ 1/4 (6.4)		
	Gas	in. (mm)	$\phi$ 5/8 (15.9)		
	Drain	in. (mm)	I.D. $\phi$ 1 (25) / O.D. $\phi$ 1-1/4 (32)		
Heat Insulation		Both Liquid and Gas Pipes			
Max. Interunit Piping Length	ft (m)	98-1/2 (30)			
Max. Interunit Height Difference	ft (m)	65-5/8 (20)			
Chargeless	ft (m)	32-3/4 (10)			
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.21 (20)			
<b>Indoor Unit</b>		<b>FDMQ24WVJU9</b>			
Heat Exchanger	Rows $\times$ Stages, Fin per Inch	3 $\times$ 26, 18			
	Fin Spec / Tube	Multi Slit Fin / $\phi$ 5 Hi-XA Tube			
Airflow Rate	H / M / L	cfm	731 / 621 / 512		731 / 621 / 512
		m <sup>3</sup> /min	20.7 / 17.6 / 14.5		20.7 / 17.6 / 14.5
Fan Motor	H / M / L	rpm	1,119 / 951 / 783		1,119 / 951 / 783
	Motor Output	HP	0.31		
Fan	Type	Sirocco Fan			
External Static Pressure	inH <sub>2</sub> O	Standard 0.20 (0.60 - 0.20)			
	Pa	Standard 50 (150 - 50)			
Running Current (Rated)	A	0.82 - 0.74	0.82 - 0.74		
Power Consumption (Rated)	W	167 - 167		167 - 167	
Power Factor (Rated)	%	97.8 - 97.5		97.8 - 97.5	
Temperature Control		Microcomputer Control			
Dimensions (H $\times$ W $\times$ D)	in. (mm)	9-5/8 $\times$ 39-3/8 $\times$ 31-1/2 (245 $\times$ 1,000 $\times$ 800)			
Packaged Dimensions (H $\times$ W $\times$ D)	in. (mm)	11-9/16 $\times$ 47-3/16 $\times$ 34-7/8 (293 $\times$ 1,199 $\times$ 886)			
Weight (Mass)	lbs (kg)	82 (37)			
Gross Weight (Gross Mass)	lbs (kg)	88 (40)			

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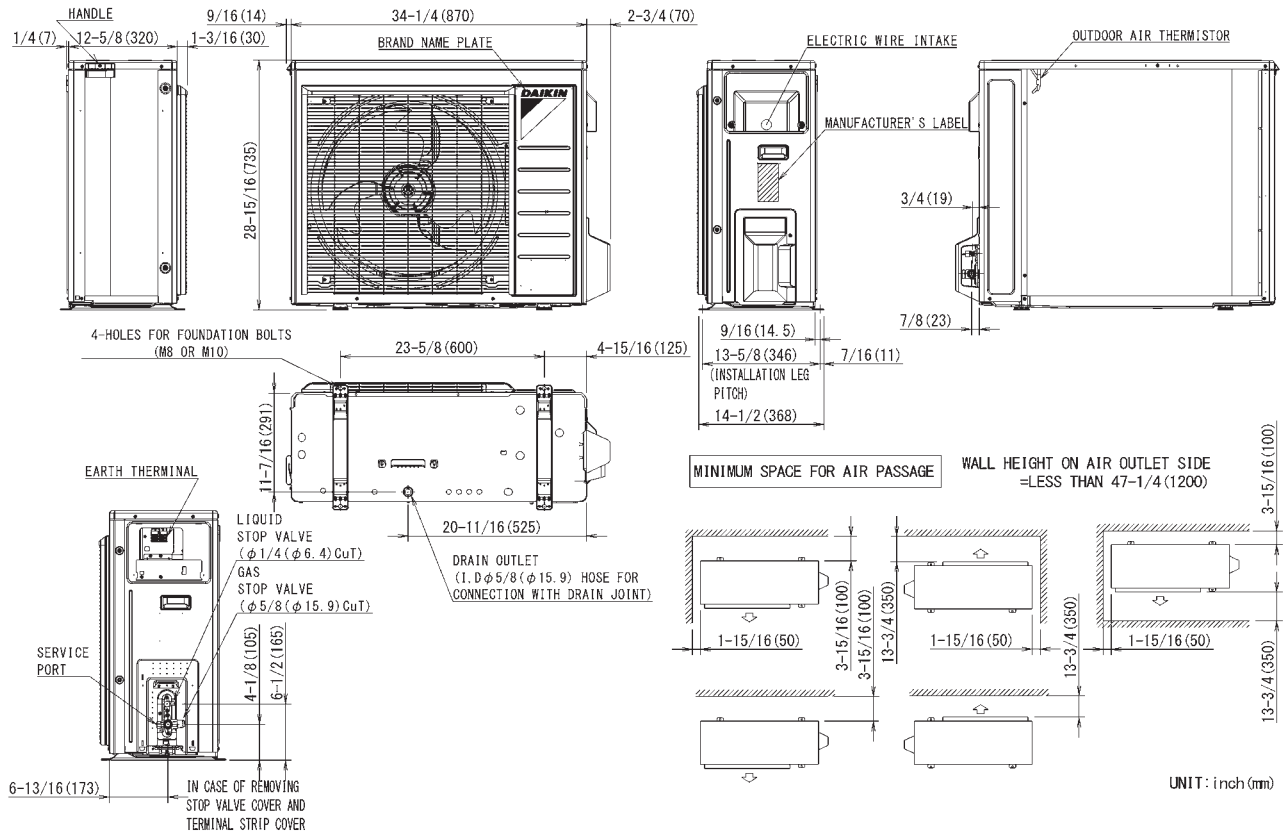


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 2.0-Ton Duct Concealed and Heat Pump  
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Sound Pressure Level		dB(A)	40	40
Remote Controller (Option)		Wired	BRC1E73	
		Wireless	BRC082A43	
<b>Outdoor Unit</b>			<b>RX24WMVJU9</b>	
Casing Color		Ivory White		
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / φ 7 Hi-XSL Tube	
Fan Motor	Motor Output	HP	0.12	
Compressor	Type		Hermetically Sealed Swing Type	
	Model		2YC36PXD	
Refrigerant Oil	Type		FVC50K	
	Charge	oz (L)	21.98 (0.650)	
Refrigerant	Type		R-410A	
	Charge	lbs (kg)	3.20 (1.45)	
Airflow Rate		cfm (m3/min)	2,641 (74.8)	2,641 (74.8)
Fan	Type		Propeller	
Running Current (Rated)		A	9.74 - 8.81	10.55 - 9.54
Power Consumption (Rated)		W	2,013 - 2,013	2,178 - 2,178
Power Factor (Rated)		%	99.4 - 99.3	99.3 - 99.3
Dimensions (H × W × D)		in. (mm)	28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)	
Packaged Dimensions (H × W × D)		in. (mm)	31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)	
Weight (Mass)		lbs (kg)	109 (50)	
Gross Weight (Gross Mass)		lbs (kg)	120 (54)	
Sound Pressure Level		dB(A)	56	58
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft (7.5 m)	
Drawing No.		C: 3D143151A		
Note(s)		<p>SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 11 stages by remote controller.</p> <p>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.</p>		



**RX24WMVJU9**



3D092230B

## 11. Electric Characteristics

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

### Symbols:

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

### Notes:

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

C: 3D143137

C: 3D143129