



Submittal Data Sheet
 1.5-Ton Duct Concealed and Heat Pump
 FDMQ18WVJU9RX18WMVJU9

Model	Indoor Unit		FDMQ18WVJU9	
	Outdoor Unit		RX18WMVJU9	
			Cooling	Heating
Power Supply		1 ϕ , 208 - 230 V, 60 Hz		
Capacity Rated (Min. - Max.)	Btu/h	17,600 (5,100 - 19,600)	21,600 (5,700 - 22,200)	
Running Current (Rated)	A	9.16 - 8.28	10.41 - 9.41	
Power Consumption (Rated)	W	1,872 - 1,872	2,110 - 2,110	
Power Factor (Rated)	%	98.3 - 98.3	97.4 - 97.5	
SEER2 / HSPF2		15.30	8.20	
EER2 (Rated)	Btu/h·W	9.40	—	
COP2 (Rated)	W/W	—	3.00	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)	
	Gas	in. (mm)	ϕ 1/2 (12.7)	
	Drain	in. (mm)	I.D. ϕ 1 (25) / O.D. ϕ 1-1/4 (32)	
Heat Insulation		Both Liquid and Gas Pipes		
Max. Interunit Piping Length	ft (m)	98-1/2 (30)		
Max. Interunit Height Difference	ft (m)	65-5/8 (20)		
Chargeless	ft (m)	32-3/4 (10)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.21 (20)		
Indoor Unit		FDMQ18WVJU9		
Heat Exchanger	Rows \times Stages, Fin per Inch	3 \times 26, 18		
	Fin Spec / Tube	Multi Slit Fin / ϕ 5 Hi-XA Tube		
Airflow Rate	H / M / L	cfm	614 / 523 / 431	
		m3/min	17.4 / 14.8 / 12.2	
Fan Motor	H / M / L	rpm	1,023 / 870 / 717	
	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	0.69 - 0.62	0.69 - 0.62	
Power Consumption (Rated)	W	131 - 131	131 - 131	
Power Factor (Rated)	%	91.2 - 92.2	91.2 - 92.2	
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)		

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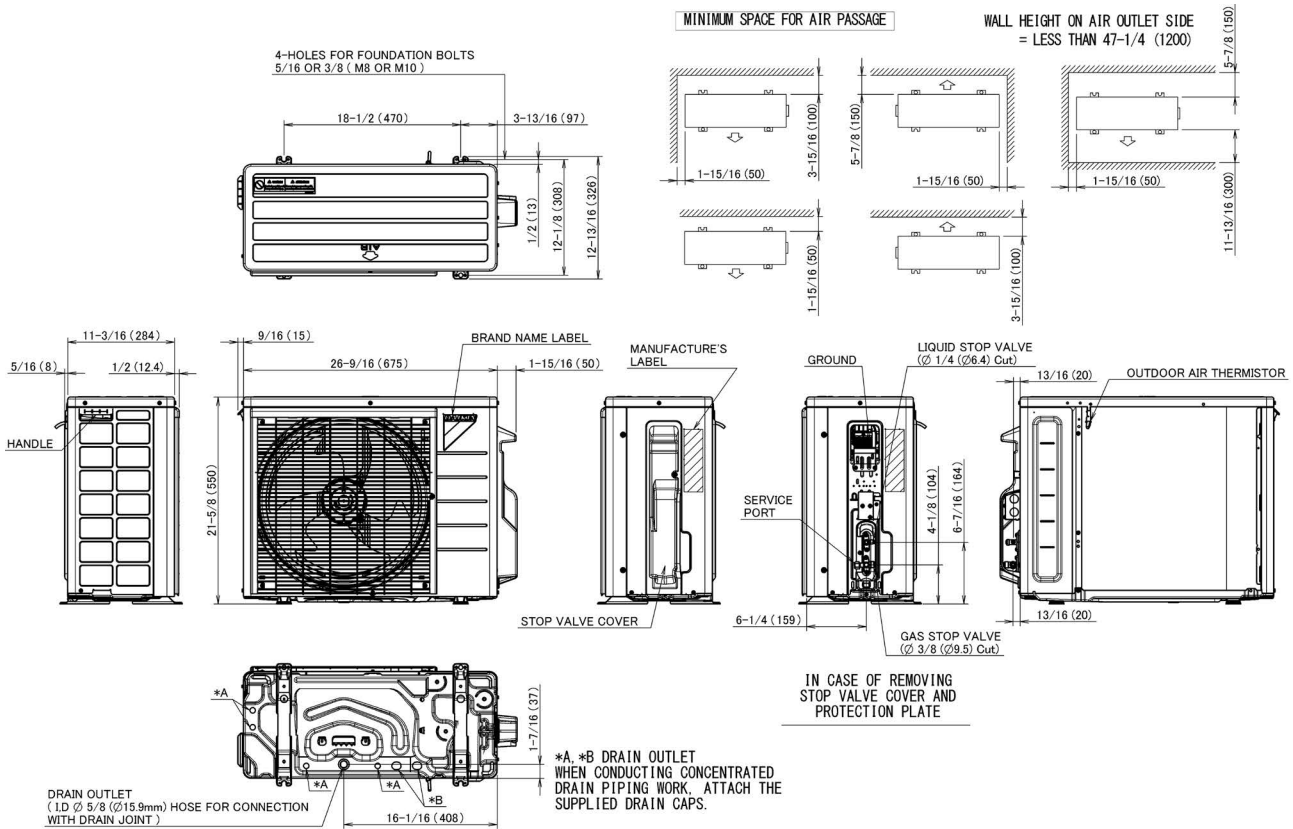
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Gross Weight (Gross Mass)		lbs (kg)	88 (40)	
Sound Pressure Level		dB(A)	35	35
Remote Controller (Option)		Wired	BRC1E73	
		Wireless	BRC082A43	
Outdoor Unit		RX18WMVJU9		
Casing Color		Ivory White		
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / 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)	2.49 (1.13)	
Airflow Rate		cfm (m3/min)	2,461 (69.7)	2,553 (72.3)
Fan	Type		Propeller	
Running Current (Rated)		A	8.47 - 7.66	9.72 - 8.79
Power Consumption (Rated)		W	1,741 - 1,741	1,979 - 1,979
Power Factor (Rated)		%	98.8 - 98.8	97.9 - 97.9
Dimensions (H × W × D)		in. (mm)	28-15/16 × 34-1/4 × 12-5/8 (735 × 870 × 320)	
Packaged Dimensions (H × W × D)		in. (mm)	31-7/8 × 41-9/16 × 18-1/4 (810 × 1,056 × 464)	
Weight (Mass)		lbs (kg)	100 (45)	
Gross Weight (Gross Mass)		lbs (kg)	110 (50)	
Sound Pressure Level		dB(A)	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)
	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)	

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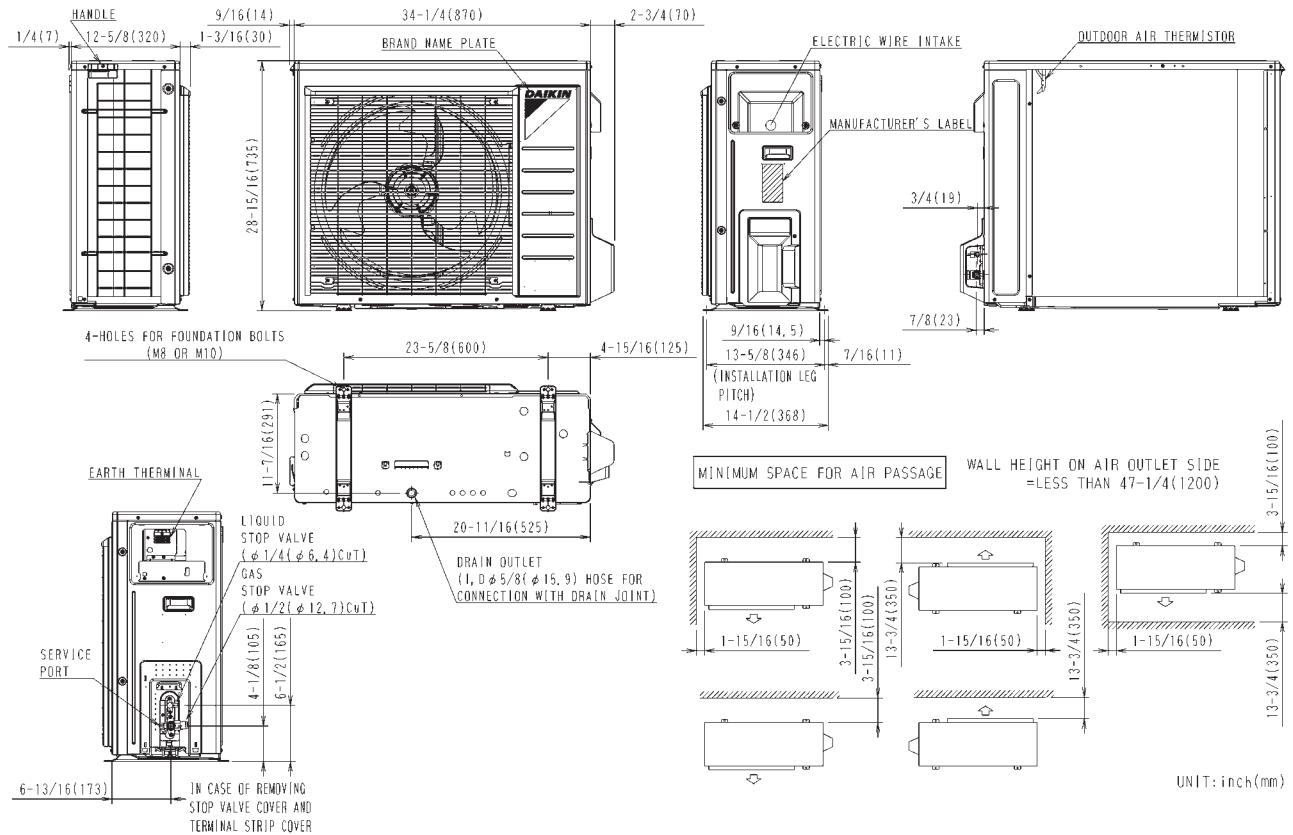
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4.2 Outdoor Unit RX09/12WMVJU9



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RX15/18WMVJU9



3D092224D

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.

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