



Submittal Data Sheet
 1.5-Ton Duct Concealed and Heat Pump
 FDMQ18WVJU9RXL18WMVJU9

Model	Indoor Unit		FDMQ18WVJU9	
	Outdoor Unit		RXL18WMVJU9	
			Cooling	Heating
Power Supply			1 ϕ , 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)	Btu/h	17,600 (9,000 - 9,600)	21,600 (9,000 - 5,000)	
Running Current (Rated)	A	8.79 - 7.95	10.50 - 9.50	
Power Consumption (Rated)	W	1,760 - 1,760	2,110 - 2,110	
Power Factor (Rated)	%	96.3 - 96.2	96.6 - 96.6	
SEER2 / HSPF2		15.20	8.50	
EER2 (Rated)	Btu/h·W	10.00	—	
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)	0.32 (30)		
Indoor Unit			FDMQ18WVJU9	
Heat Exchanger	Rows x Stages, Fin/ Inch		3 x 26, 18	
	Fin Spec / Tube		Multi Slit Fin / ϕ 5 Hi-XA Tube	
Airflow Rate	H / M / L	cfm	614 / 523 / 431	614 / 523 / 431
		m3/min	17.4 / 14.8 / 12.2	17.4 / 14.8 / 12.2
Fan Motor	H / M / L	rpm	1,023 / 870 / 717	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	
Dimensions (H x W x D)	in. (mm)	9-5/8 x 39-3/8 x 31-1/2 (245 x 1,000 x 800)		
Weight (Mass)	lbs (kg)	82 (37)		
Sound Pressure Level	dB(A)	35	35	
Remote Controller (Option)	Wired		BRC1E73	
	Wireless		BRC082A43	

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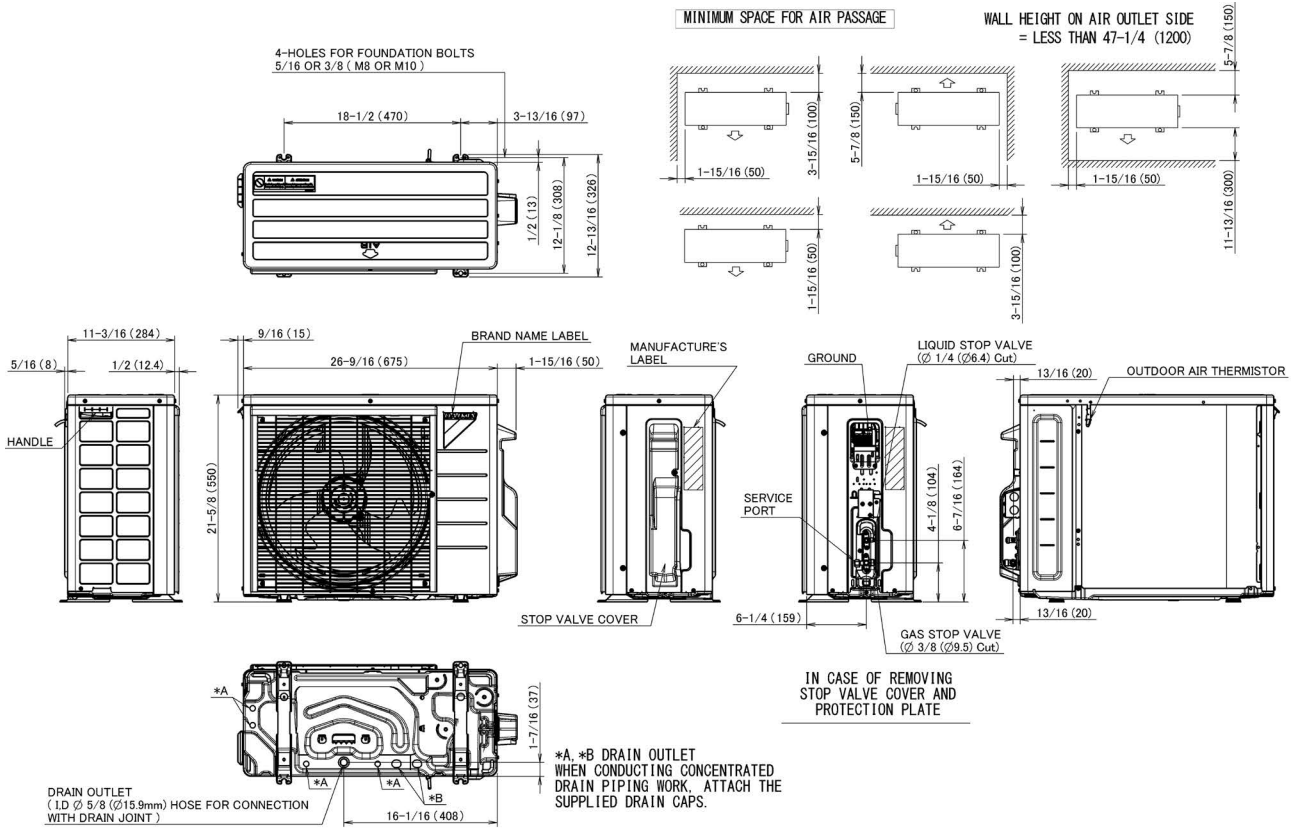
Submittal Data Sheet
 1.5-Ton Duct Concealed and Heat Pump
 FDMQ18WVJU9RXL18WMVJU9

Outdoor Unit			RXL18WMVJU9	
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	8.10 - 7.33	9.81 - 8.88
Power Consumption (Rated)		W	1,629 - 1,629	1,979 - 1,979
Power Factor (Rated)		%	96.7 - 96.6	97.0 - 96.9
Dimensions (H x W x D)		in. (mm)	28-15/16 x 34-1/4 x 12-5/8 (735 x 870 x 320)	
Weight (Mass)		lbs (kg)	132 (60)	
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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Outdoor Unit RXL09/12WMVJU9



11. Electric Characteristics

Indoor Unit	Outdoor Unit	Power Supply				Compressor	OFM			IFM		
		Hz - Volts	Voltage Range	MCA	MFA		RLA	Hp	W	FLA	Hp	W
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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