



Submittal Data Sheet

1.0-Ton Ceiling Mounted Cassette and Heat Pump

FFQ12W2VJU9RX12WMVJU9

		Indoor Unit		FFQ12W2VJU9	
		Outdoor Unit		RX12WMVJU9	
				Cooling	Heating
Power Supply		1 ϕ , 208 - 230 V, 60 Hz			
Capacity Rated (Min. - Max.)	Btu/h	10,800 (4,600 - 13,300)		13,500 (4,600 - 16,800)	
Running Current (Rated)	A	5.01 - 4.53		5.45 - 4.93	
Power Consumption (Rated)	W	939 - 939		1,081 - 1,081	
Power Factor (Rated)	%	90.1 - 90.1		95.4 - 95.4	
SEER2 / HSPF2		19.50		9.00	
EER2 (Rated)	Btu/h·W	11.50		—	
COP2 (Rated)	W/W	—		3.66	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)		
	Gas	in. (mm)	ϕ 3/8 (9.5)		
	Drain	in. (mm)	VP20 (O.D. ϕ 1-1/32 (26))		
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		FFQ12W2VJU9			
Decoration Panel (1)	Model (Color)		BYFQ60B3W1 (White)		
	Dimensions (H \times W \times D)	in. (mm)	2-3/16 \times 27-9/16 \times 27-9/16 (55 \times 700 \times 700)		
	Weight (Mass)	lbs (kg)	6.0 (2.7)		
Decoration Panel (2)	Model (Color)		BYFQ60C2W1W (White) / BYFQ60C2W1S (Silver)		
	Dimensions (H \times W \times D)	in. (mm)	1-13/16 \times 24-7/16 \times 24-7/16 (46 \times 620 \times 620)		
	Weight (Mass)	lbs (kg)	6.2 (2.8)		
Heat Exchanger	Rows \times Stages, Fin per Inch		2 \times 16, 21		
	Fin Spec / Tube		Slit Fin / ϕ 5 Hi-XA Tube		
Airflow Rate	H / M / L	cfm	406 / 353 / 268		427 / 371 / 282
		m3/min	11.5 / 10.0 / 7.6		12.1 / 10.5 / 8.0
Fan	Type / Speed		Turbo Fan / 3 Steps		

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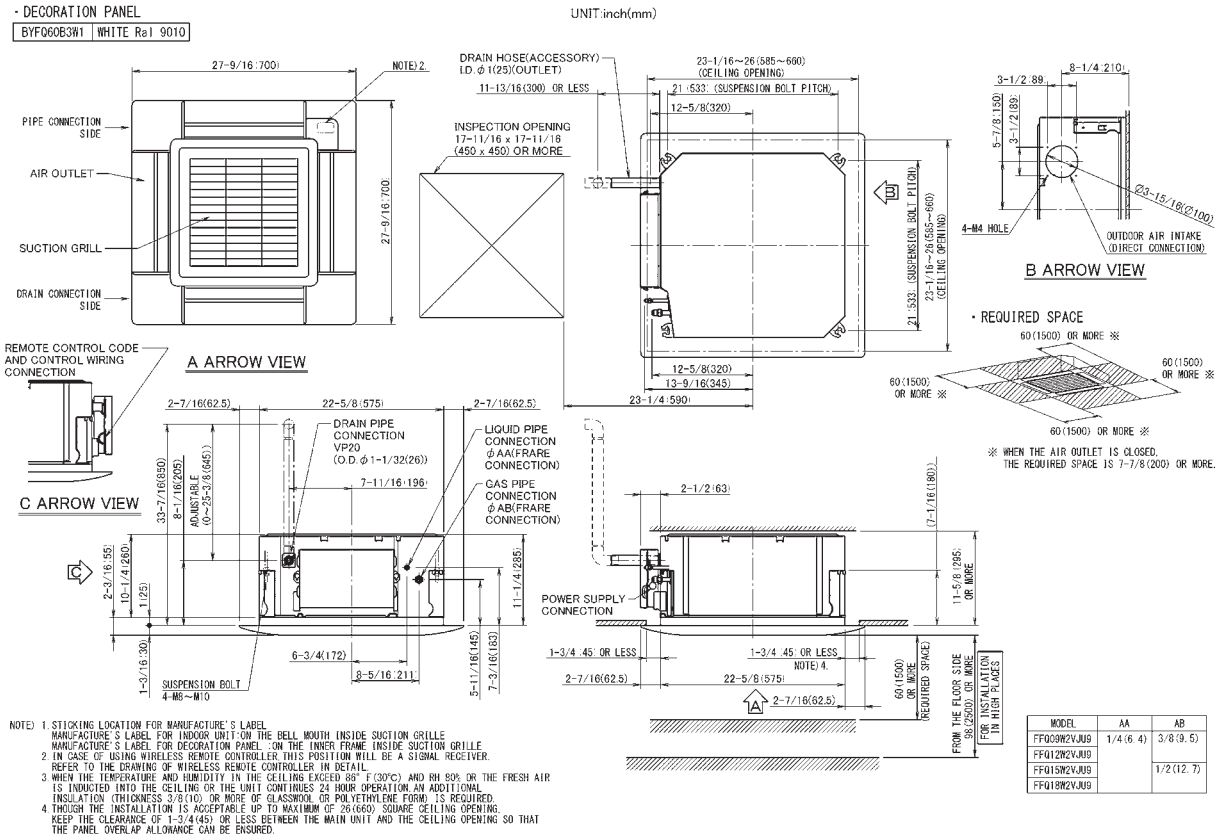
Submittal Data Sheet
 1.0-Ton Ceiling Mounted Cassette and Heat Pump
 FFQ12W2VJU9RX12WMVJU9

Running Current (Rated)		A	0.27 - 0.24	0.27 - 0.24
Power Consumption (Rated)		W	27 - 27	27 - 27
Power Factor (Rated)		%	48.1 - 48.9	48.1 - 48.9
Temperature Control		Microcomputer Control		
Dimensions (H × W × D)		in. (mm)	10-1/4 × 22-5/8 × 22-5/8 (260 × 575 × 575)	
Weight (Mass)		lbs (kg)	36 (16)	
Sound Pressure Level	H / M / L	dB(A)	39 / 36 / 30	39 / 36 / 30
Remote Controller (Option)		Wired	BRC1E73	
		Wireless	BRC082A41W / BRC082A42W / BRC082A42S	
Outdoor Unit		RX12WMVJU9		
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 (m ³ /min)	1,105 (31.3)	1,144 (32.4)
Fan	Type		Propeller	
Running Current (Rated)		A	4.74 - 4.29	5.18 - 4.69
Power Consumption (Rated)		W	912 - 912	1,054 - 1,054
Power Factor (Rated)		%	92.5 - 92.4	97.8 - 97.7
Dimensions (H × W × D)		in. (mm)	21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)	
Weight (Mass)		lbs (kg)	63 (29)	
Sound Pressure Level		dB(A)	49	51
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)	
Note(s)		SL: The quiet fan level of the airflow rate setting.		

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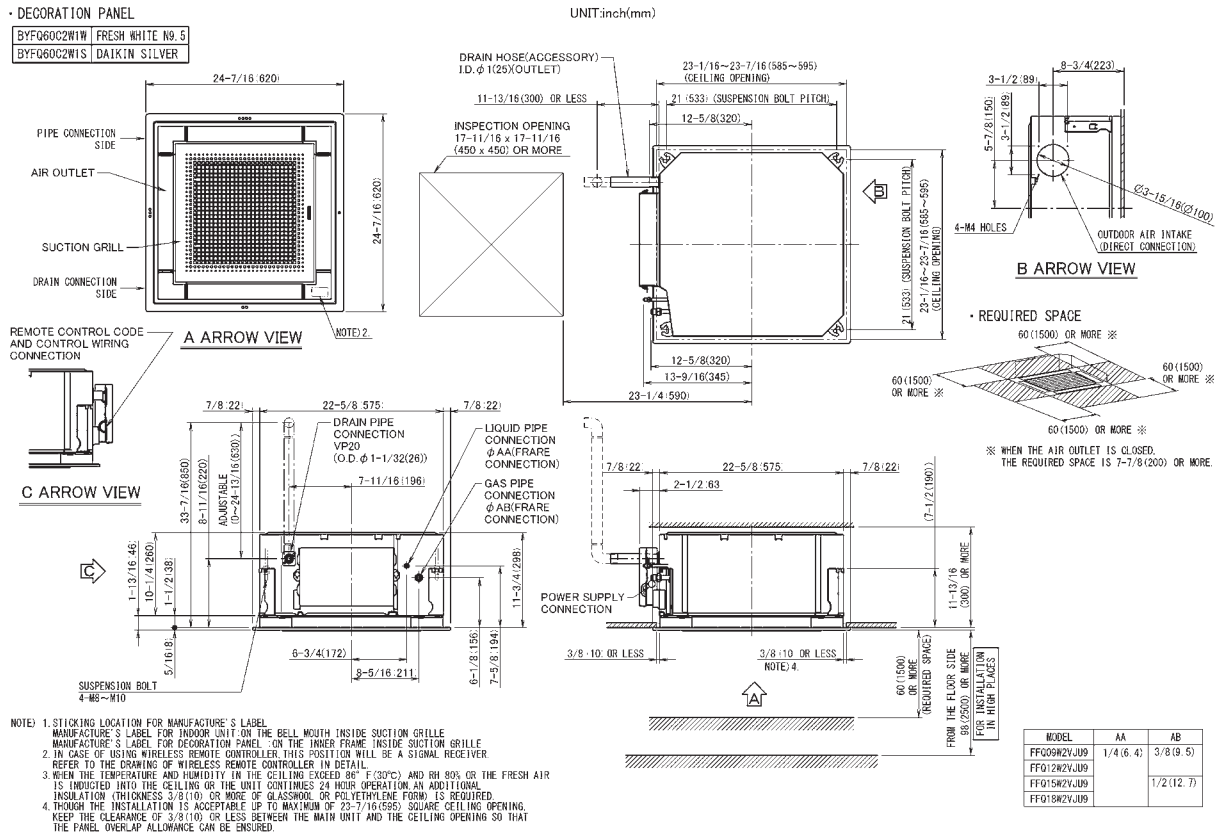
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FFQ09/12/15/18W2VJU9 with BYFQ60B3W1 (Decoration Panel)



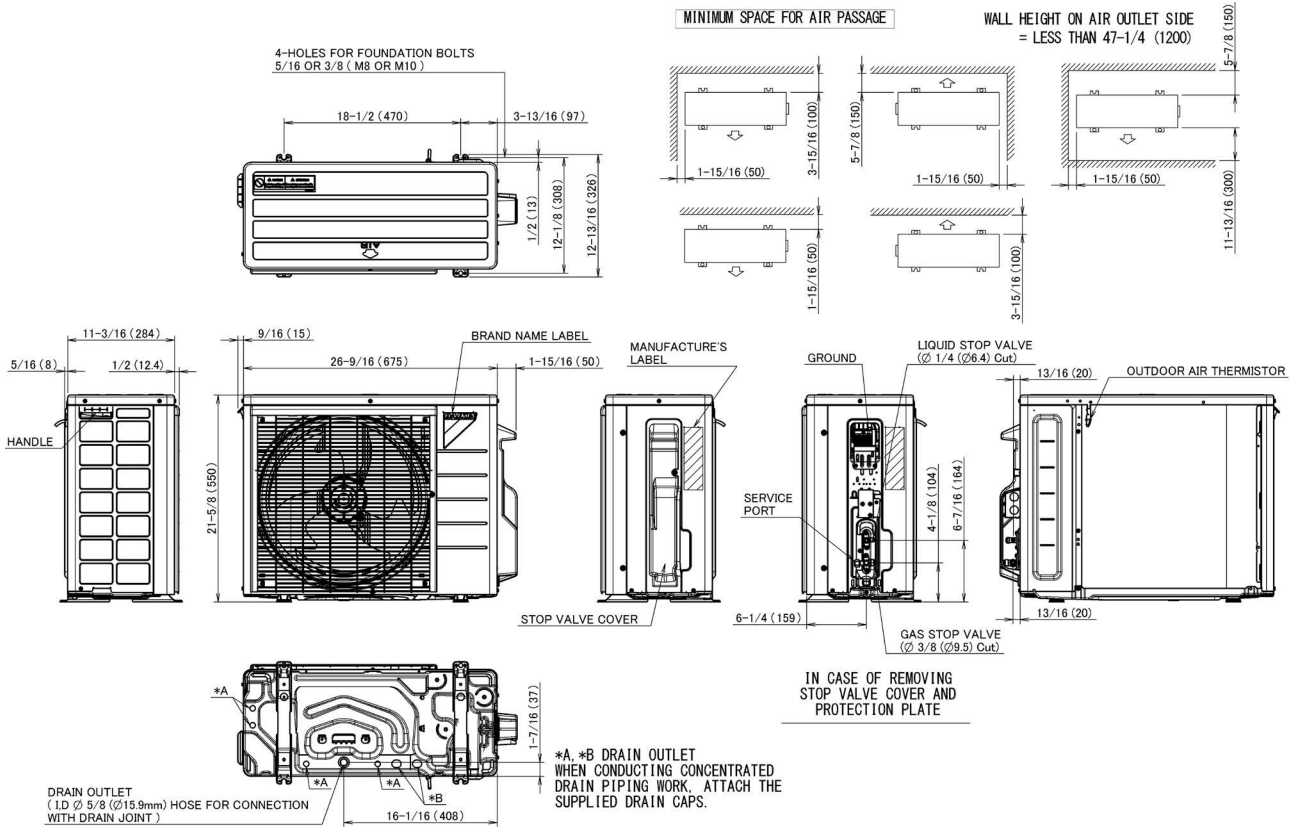
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FFQ09/12/15/18W2VJU9 with BYFQ60C2W1W(S) (Decoration Panel)



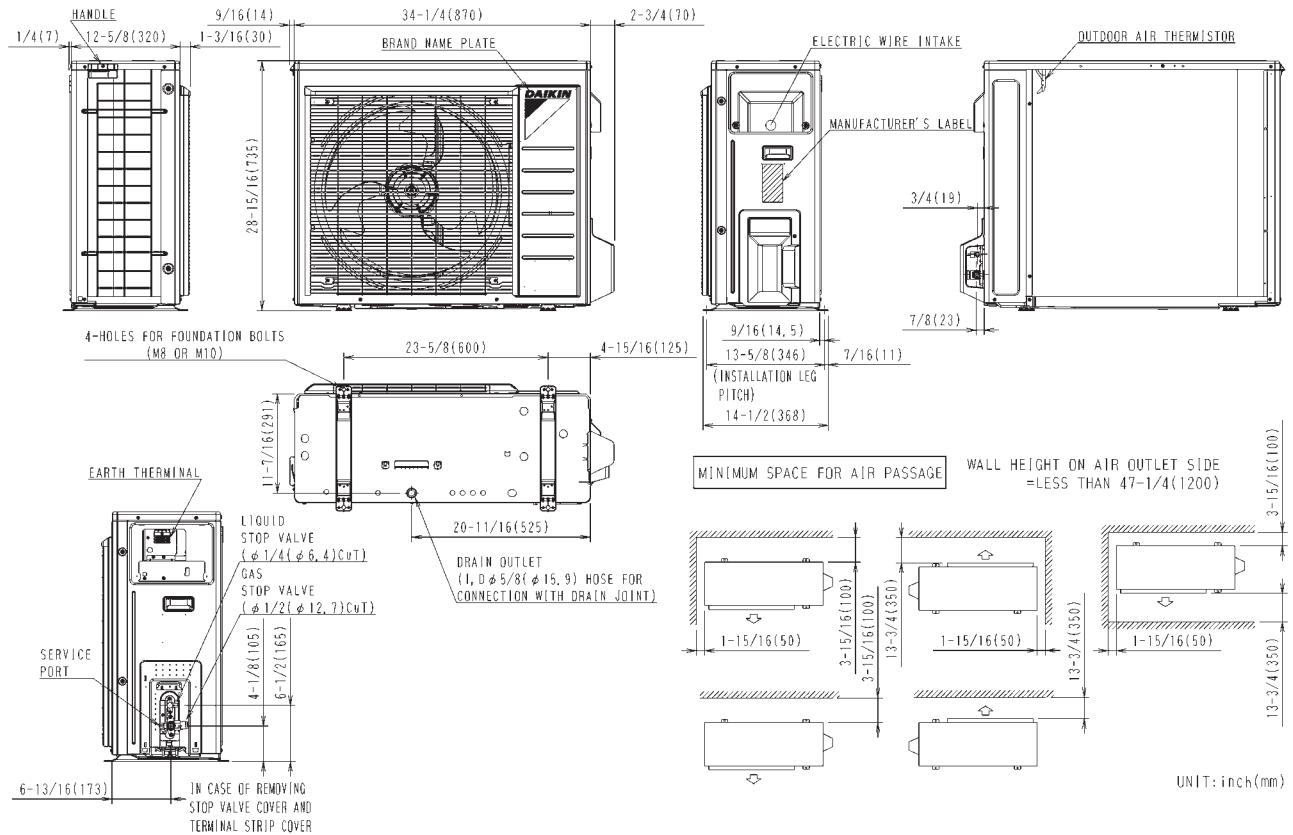
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4.2 Outdoor Unit RX09/12WMVJU9



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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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