



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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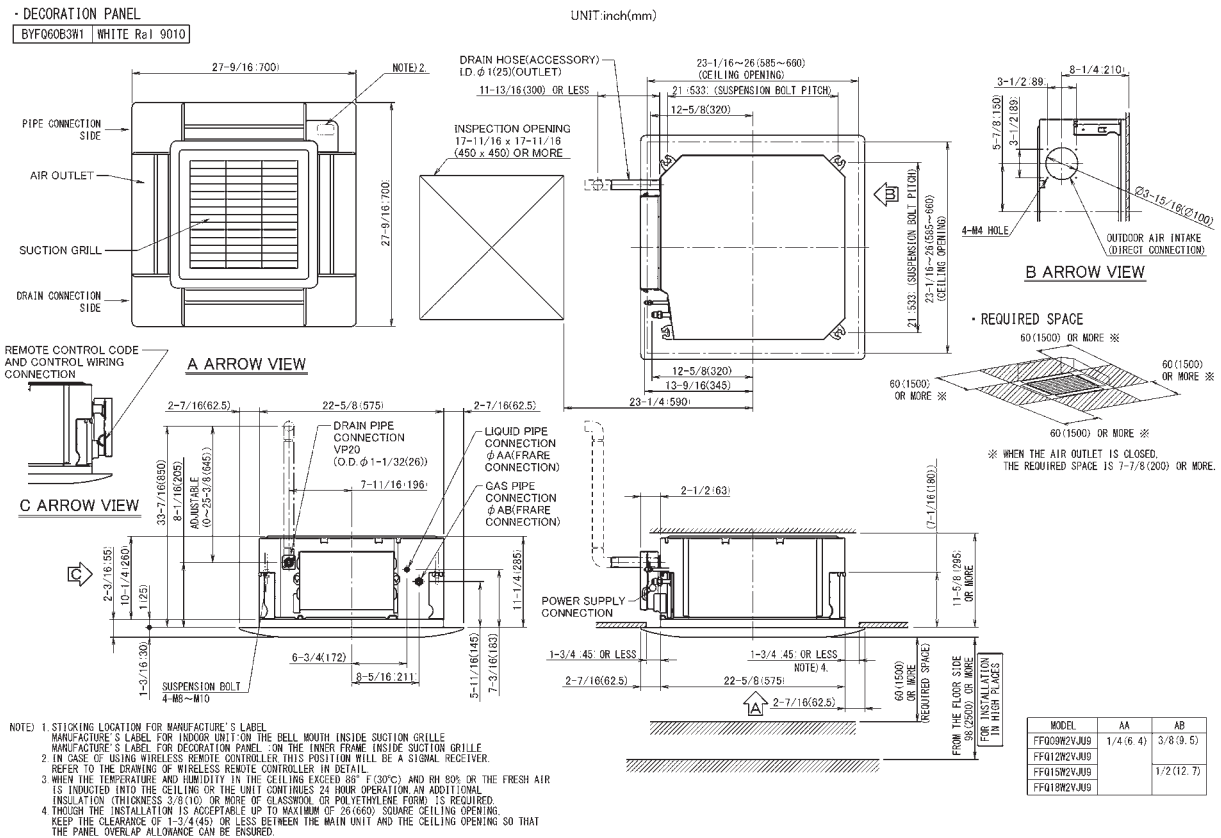
FFQ12W2VJU9RX12WMVJU9

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 (m3/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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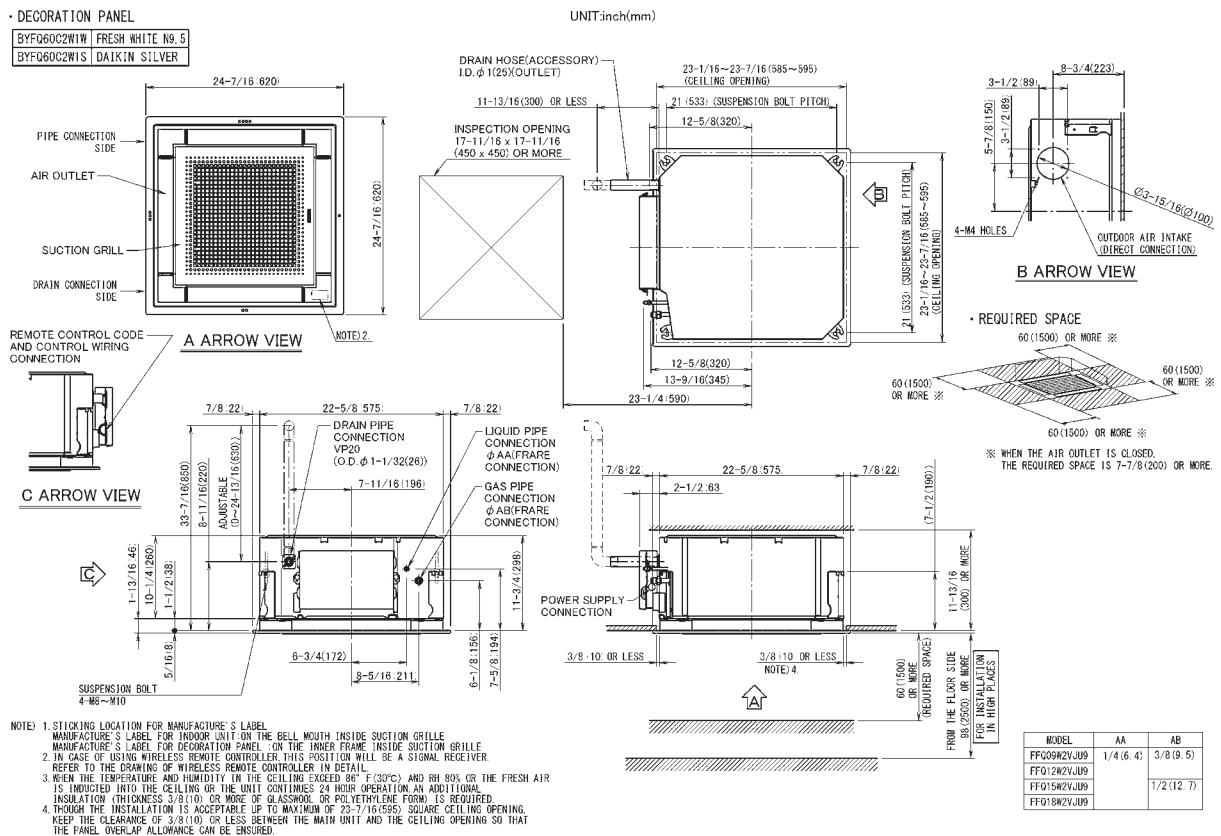
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FFQ09/12/15/18W2VJU9 with BYFQ60B3W1 (Decoration Panel)



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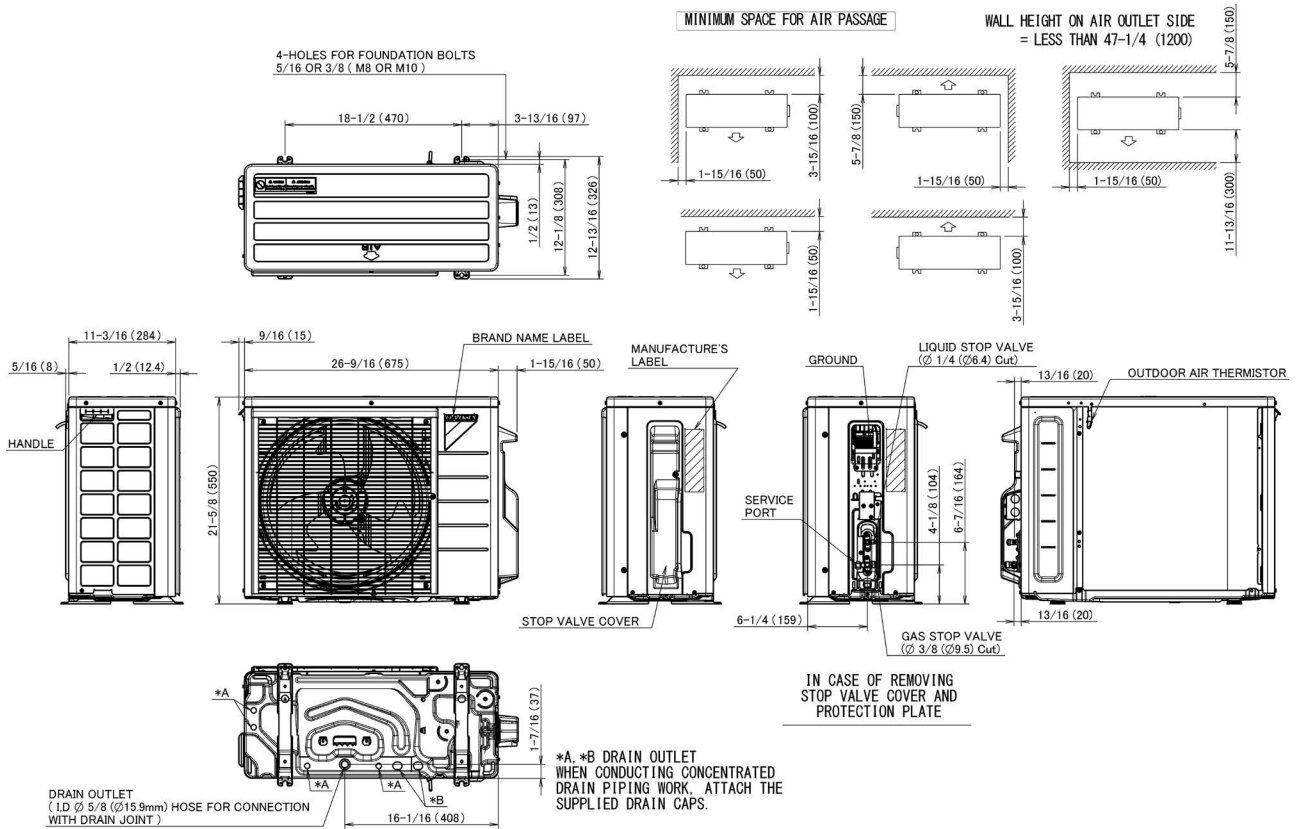
FFQ09/12/15/18W2VJU9 with BYFQ60C2W1W(S) (Decoration Panel)



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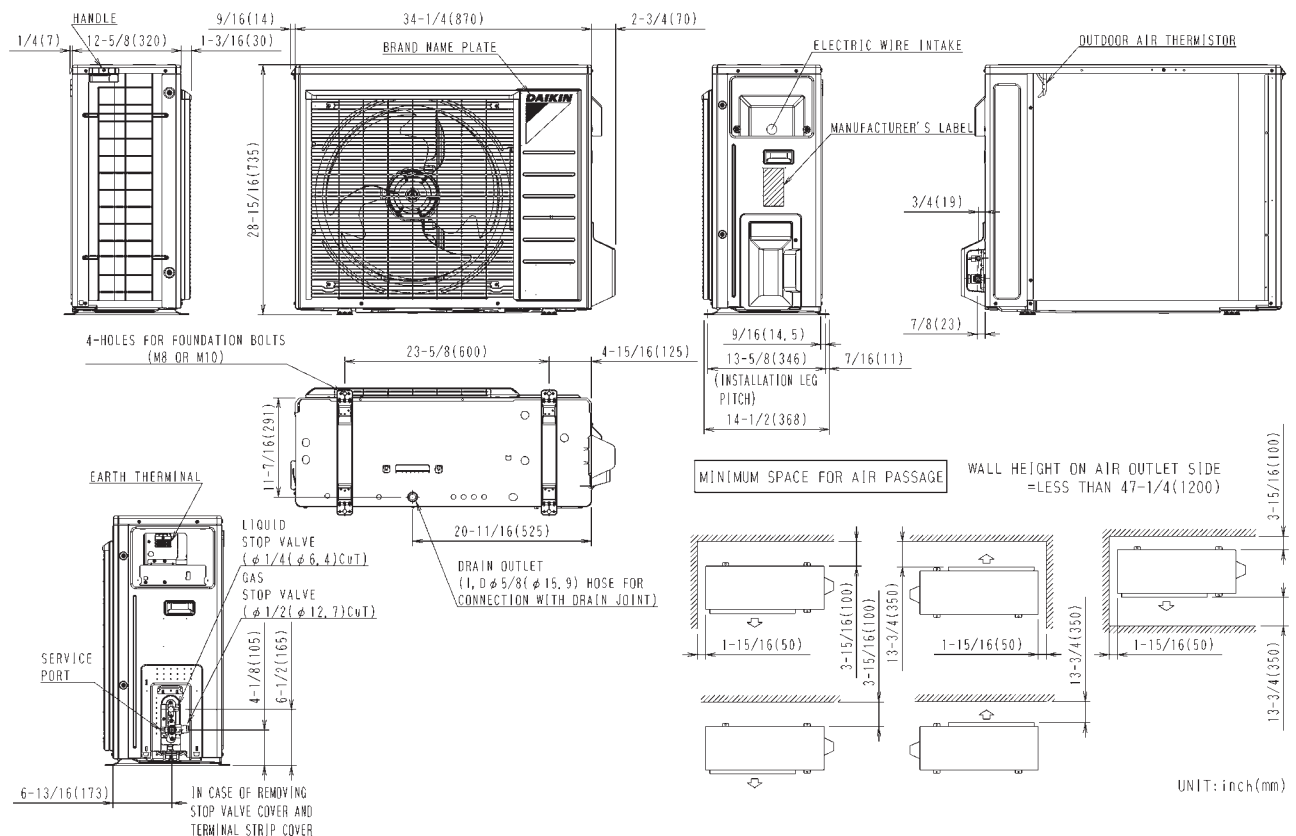
4.2 Outdoor Unit

RX09/12WMVJU9



3D136777

RX15/18WMVJU9



3D092224D

11. Electric Characteristics

Indoor Unit	Outdoor Unit	Power Supply				Compressor	OFM			IFM		
		Hz - Volts	Voltage Range	MCA	MFA		Hp	W	FLA	Hp	W	FLA
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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	Option Name		Model Name
1	Remote controller (required)	Wired type *1	BRC1E73
		Wireless type *2	BRC082A42W (for BYFQ60C2W1W)
			BRC082A42S (for BYFQ60C2W1S)
			BRC082A41W (for BYFQ60B3W1)
2	Decoration panel (required)		BYFQ60C2W1W
			BYFQ60C2W1S
			BYFQ60B3W1
3	Wireless LAN connection adaptor		AZAI6WSCDKA
4	Central remote controller		DCS302C71
5	Unified ON/OFF controller		DCS301C71
6	Schedule timer controller		DST301BA61
7	Remote sensor		KRCS01-4B
8	Adaptor for wiring *3		KRP1C75
9	Wiring adaptor for electrical appendices *3		KRP4A74
10	Installation box for adaptor PCB		KRP1BB101
11	Sensor kit		BRYQ60A2W (for BYFQ60C2W1W)
			BRYQ60A2S (for BYFQ60C2W1S)
12	Panel spacer		KDBQ44BA60A (for BYFQ60B3W1)
13	Sealing member of air discharge outlet		BDBHQ44C60
14	Fresh air intake kit (direct installation type)		KDDQ44XA60
15	Long life filter		KAFQ441BA60

Notes:

*1 Wiring for wired remote controller should be obtained locally.

*2 Sensing function and individual flap control function are not available.

*3 Installation box for adaptor PCB (KRP1BB101) is necessary.