



Submittal Data Sheet  
 0.75-Ton Duct Concealed and Heat Pump  
 FDMQ09WVJU9RX09WMVJU9

<b>Model</b>	<b>Indoor Unit</b>		<b>FDMQ09WVJU9</b>	
	<b>Outdoor Unit</b>		<b>RX09WMVJU9</b>	
			<b>Cooling</b>	<b>Heating</b>
Power Supply			1 $\phi$ , 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)	Btu/h	9,000 (3,900 - 9,400)	10,900 (3,900 - 12,800)	
Running Current (Rated)	A	5.30 - 4.79	5.34 - 4.83	
Power Consumption (Rated)	W	1,059 - 1,059	1,065 - 1,065	
Power Factor (Rated)	%	96.1 - 96.1	95.9 - 95.8	
SEER2 / HSPF2		14.30	8.20	
EER2 (Rated)	Btu/h·W	8.50	—	
COP2 (Rated)	W/W	—	3.00	
Piping Connections	Liquid	in. (mm)	$\phi$ 1/4 (6.4)	
	Gas	in. (mm)	$\phi$ 3/8 (9.5)	
	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)	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)		
<b>Indoor Unit</b>		<b>FDMQ09WVJU9</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	293 / 265 / 233	293 / 265 / 233
		m3/min	8.3 / 7.5 / 6.6	8.3 / 7.5 / 6.6
Fan Motor	H / M / L	rpm	997 / 896 / 795	997 / 896 / 795
	Motor Output	HP	0.17	
Fan	Type	Sirocco Fan		

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External Static Pressure		inH2O	Standard 0.20 (0.60 - 0.12)	
		Pa	Standard 50 (150 - 30)	
Running Current (Rated)		A	0.40 - 0.36	0.40 - 0.36
Power Consumption (Rated)		W	75 - 75	75 - 75
Power Factor (Rated)		%	90.2 - 90.7	90.2 - 90.7
Temperature Control		Microcomputer Control		
Dimensions (H × W × D)		in. (mm)	9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)	
Weight (Mass)		lbs (kg)	64 (29)	
Sound Pressure Level		dB(A)	32	32
Remote Controller (Option)		Wired	BRC1E73	
		Wireless	BRC082A43	
<b>Outdoor Unit</b>		<b>RX09WMVJU9</b>		
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)	985 (27.9)	1,144 (32.4)
Fan	Type		Propeller	
Running Current (Rated)		A	4.90 - 4.43	4.94 - 4.47
Power Consumption (Rated)		W	984 - 984	990 - 990
Power Factor (Rated)		%	96.5 - 96.6	96.3 - 96.3
Dimensions (H × W × D)		in. (mm)	21-5/8 × 26-9/16 × 11-3/16 (550 × 675 × 284)	

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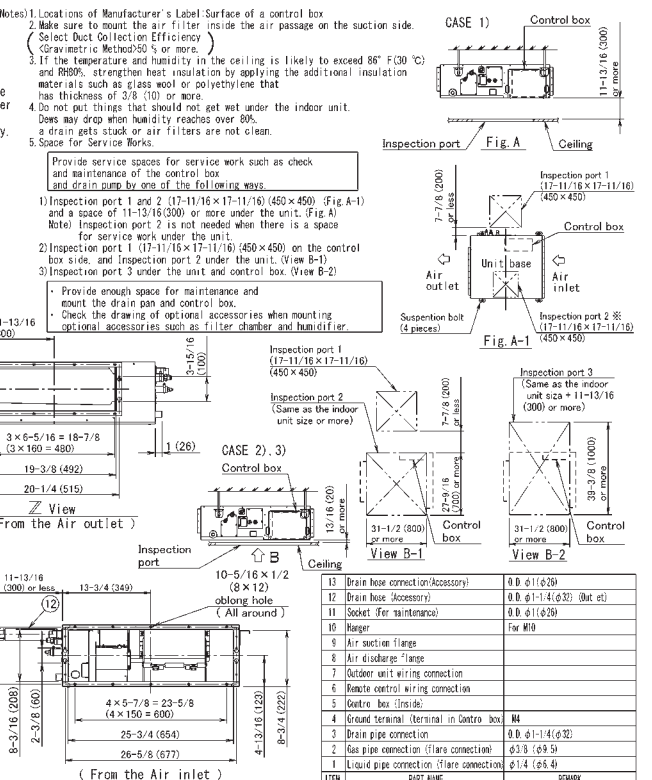
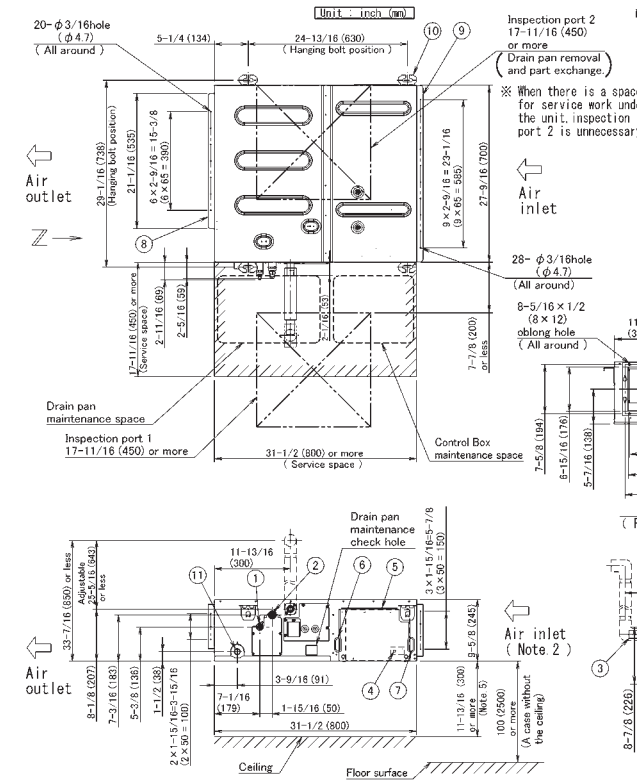
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Weight (Mass)		lbs (kg)	63 (29)	
Sound Pressure Level		dB(A)	46	50
Conditions Based on	Indoor	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)		70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)		47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length	25 ft (7.5 m)		

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### FDMQ09/12WVJU9



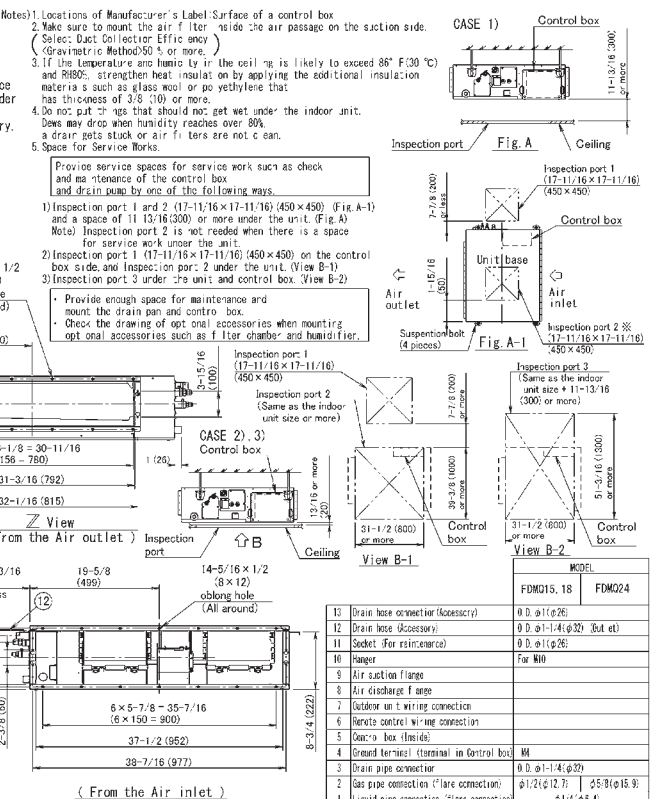
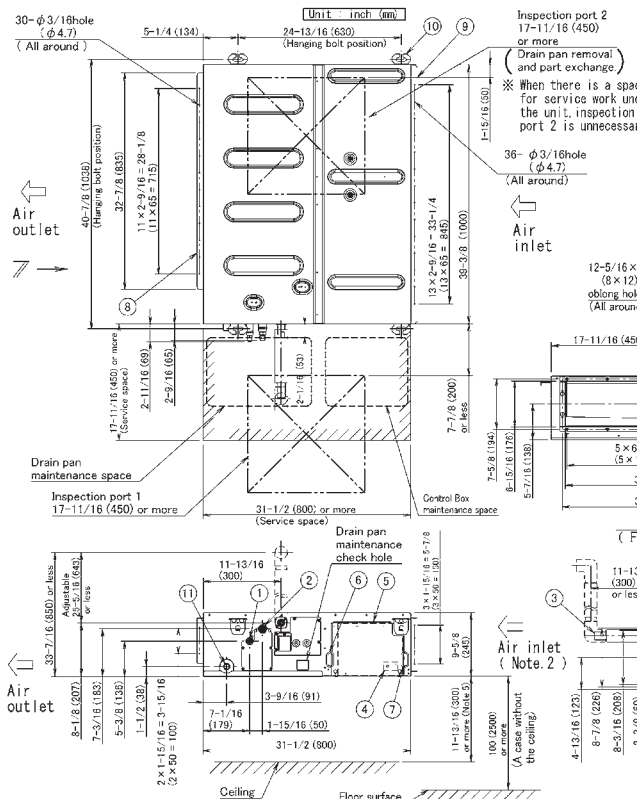
- Notes: 1. Locations of Manufacturer's Label: Surface of a control box  
 2. Make sure to mount the air filter inside the air passage on the suction side.  
 (Select Duct Collector Efficiency (Gravimetric Method) 50 % or more.)  
 3. If the temperature and humidity in the ceiling is likely to exceed 86° F (30° C) and RH90%, strengthen heat insulation by applying the additional insulation materials such as glass wool or polyethylene that has thickness of 3/8 (10) or more.  
 4. Do not put things that should not get wet under the indoor unit. Dew may drop when humidity reaches over 80%.  
 5. A drain gets stuck or air filters are not clean.  
 6. Space for Service Works.

- Provide service spaces for service work such as check and maintenance of the control box and drain pump by one of the following ways:  
 1) Inspection port 1 and 2 (17-11/16 x 17-11/16) (450 x 450) (Fig. A-1) and a space of 11-13/16 (300) or more under the unit. (Fig. A) (Note: Inspection port 2 is not needed when there is a space for service work under the unit.)  
 2) Inspection port 1 (17-11/16 x 17-11/16) (450 x 450) on the control box side, and inspection port 2 under the unit. (View B-1)  
 3) Inspection port 3 under the unit and control box. (View B-2)
- Provide enough space for maintenance and mount the drain pan and control box.  
 • Check the drawing of optional accessories when mounting optional accessories such as filter chamber and humidifier.

ITEM	PART NAME	REMARK
13	Drain hose connection (Accessory)	Ø D. ø11 (ø26)
12	Drain hose (Accessory)	Ø D. ø1-1/4 (ø32) (Out. et)
11	Socket (for maintenance)	Ø D. ø11 (ø26)
10	Hanger	For N10
9	Air suction flange	
8	Air discharge flange	
7	Outdoor unit wiring connection	
6	Remote control wiring connection	
5	Control box (Inside)	
4	Ground terminal (terminal in Control box)	N4
3	Drain pipe connection	Ø D. ø1-1/4 (ø32)
2	Gas pipe connection (flare connection)	Ø 3/8 (ø9.5)
1	Liquid pipe connection (flare connection)	Ø 1/4 (ø6.4)

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### FDMQ15/18/24WVJU9



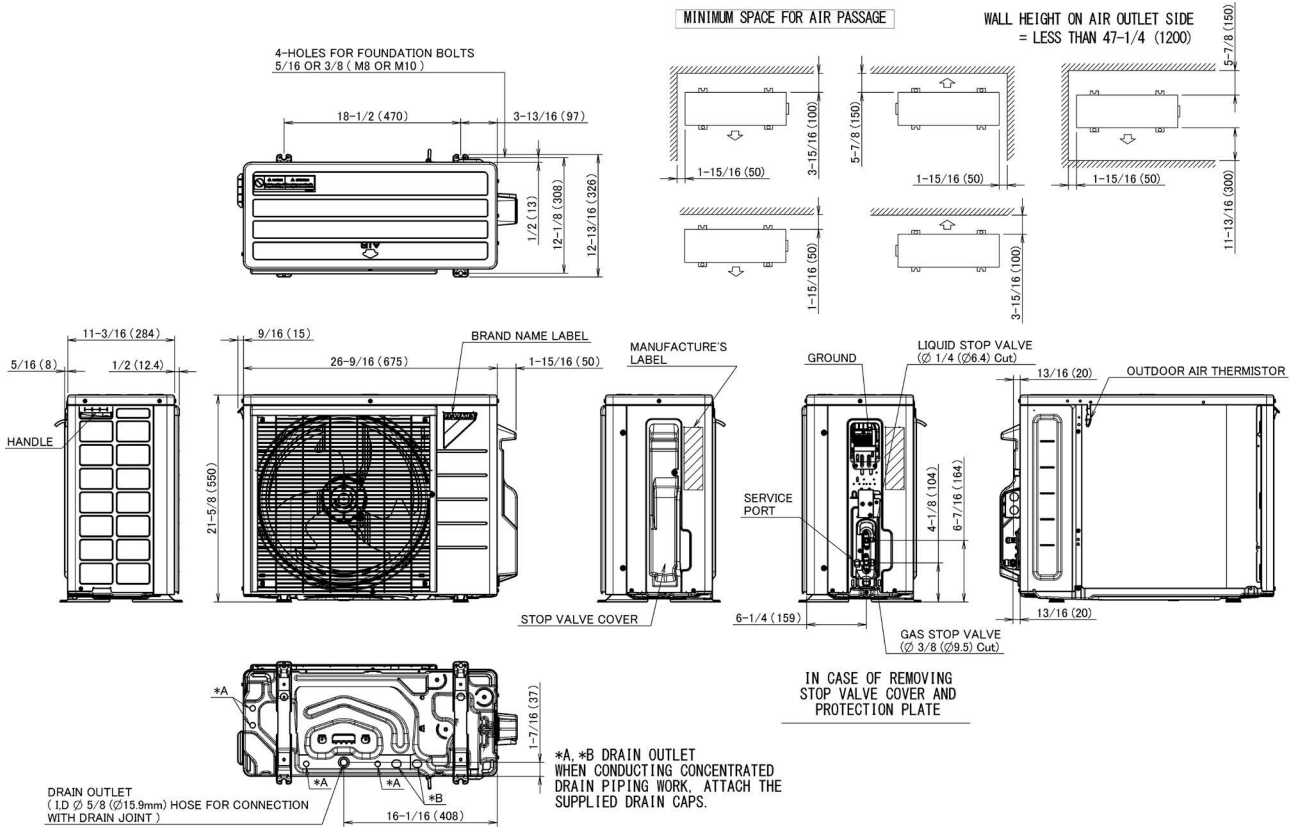
- Notes: 1. Locations of Manufacturer's Label: Surface of a control box  
 2. Make sure to mount the air filter inside the air passage on the suction side.  
 (Select Duct Collector Efficiency (Gravimetric Method) 50 % or more.)  
 3. If the temperature and humidity in the ceiling is likely to exceed 86° F (30° C) and RH90%, strengthen heat insulation by applying the additional insulation materials such as glass wool or polyethylene that has thickness of 3/8 (10) or more.  
 4. Do not put things that should not get wet under the indoor unit. Dew may drop when humidity reaches over 80%.  
 5. A drain gets stuck or air filters are not clean.  
 6. Space for Service Works.

- Provide service spaces for service work such as check and maintenance of the control box and drain pump by one of the following ways:  
 1) Inspection port 1 and 2 (17-11/16 x 17-11/16) (450 x 450) (Fig. A-1) and a space of 11-13/16 (300) or more under the unit. (Fig. A) (Note: Inspection port 2 is not needed when there is a space for service work under the unit.)  
 2) Inspection port 1 (17-11/16 x 17-11/16) (450 x 450) on the control box side, and inspection port 2 under the unit. (View B-1)  
 3) Inspection port 3 under the unit and control box. (View B-2)
- Provide enough space for maintenance and mount the drain pan and control box.  
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ITEM	PART NAME	REMARK
13	Drain hose connection (Accessory)	Ø D. ø11 (ø26)
12	Drain hose (Accessory)	Ø D. ø1-1/4 (ø32) (Out. et)
11	Socket (for maintenance)	Ø D. ø11 (ø26)
10	Hanger	For N10
9	Air suction flange	
8	Air discharge flange	
7	Outdoor unit wiring connection	
6	Remote control wiring connection	
5	Control box (Inside)	
4	Ground terminal (terminal in Control box)	N4
3	Drain pipe connection	Ø D. ø1-1/4 (ø32)
2	Gas pipe connection (flare connection)	Ø 1/2 (ø12.7) / Ø 5/8 (ø15.9)
1	Liquid pipe connection (flare connection)	Ø 1/4 (ø6.4)

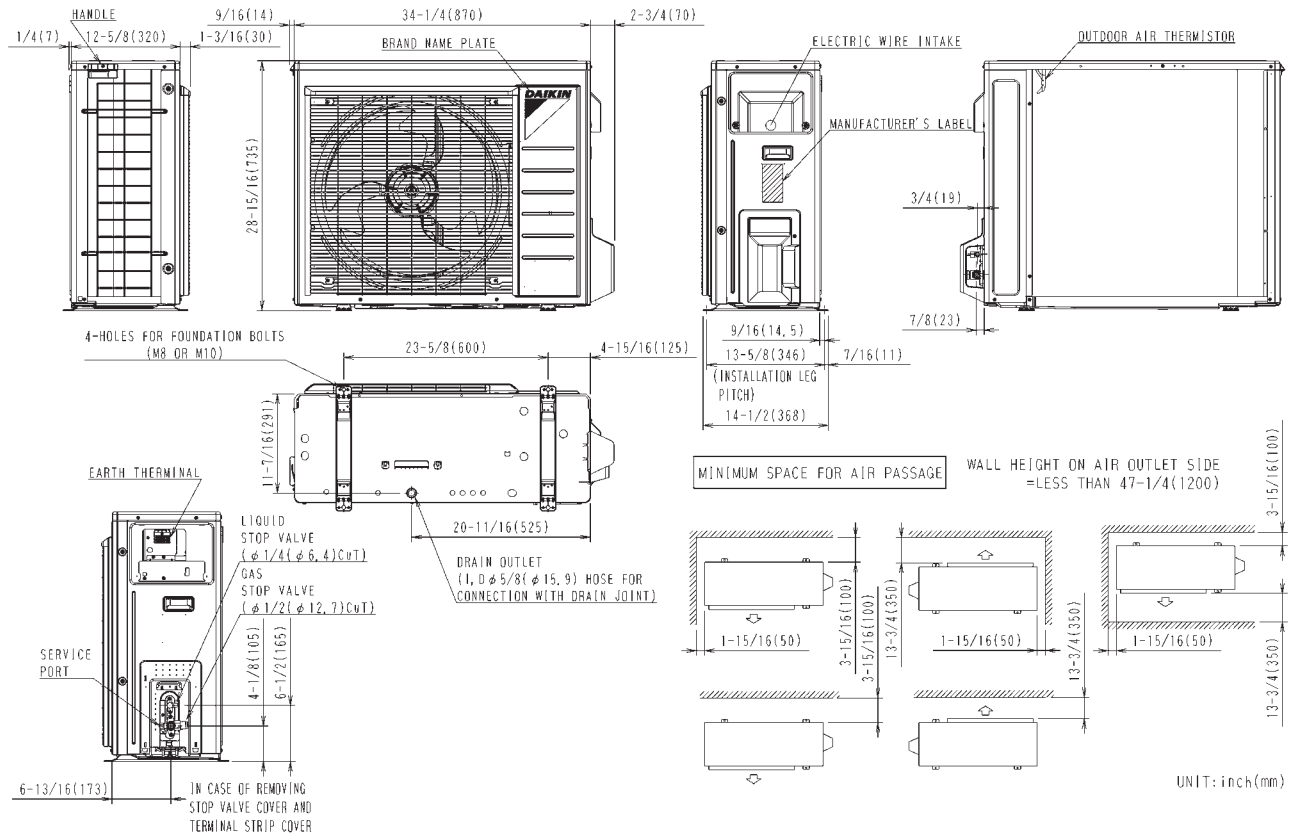
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### 4.2 Outdoor Unit RX09/12WMVJU9



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### RX15/18WMVJU9



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## 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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