

OMEGA Two Way Cassette IDU

SUBMITTAL DATA

220-240V/1/50-60Hz

Job: _____
Location: _____
Schedule No.: _____
System Designation: _____

Engineer: _____
Architect: _____
Date: _____
For: Reference Approval Review Construction

FEATURES

- Build in Drain Pump
- Two Way Air Flow
- Water Overflow Protection
- Small Installation Space
- High-Efficiency DC Motor
- Flare Connections



1. Specifications

Table 1.1: Specifications

Model name			VECT008Q0A-DWV022	VECT010Q0A-DWV028	VECT012Q0A-DWV036
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
	Power input	W	35	40	40
Heating ²	Capacity	kW	2.6	3.2	4
		kBtu/h	8.9	10.9	13.6
	Power input	W	35	40	40
Fan motor	Type		DC		
	Number		1		
Coil	Number of rows		1		
	Tube pitch × row pitch	mm	21×13.37		
	Fin spacing	mm	1.5		
	Fin type		Hydrophilic aluminum		
	Tube OD and type	mm	Φ7 Inner-groove		
	Dimensions (L×H ×W)	mm	882×210×13.37		
	Number of circuits		4		
Air flow rate ³		m ³ /h	654/612/571/530/488/449/410		725/679/641/591/554/509/458
Sound pressure level ⁴		dB(A)	33/31/30/29/27/25/24		35/33/32/30/29/27/25
Main body	Net dimensions ⁵ (W×H×D)	mm	1172×299×591		
	Packed dimensions (W×H×D)	mm	1355×400×675		
	Net/Gross weight	kg	33.5/42.0		
Panel	Net dimensions (W×H×D)	mm	1430×53×680		
	Packed dimensions (W×H×D)	mm	1525×130×765		
	Net/Gross weight	kg	10.5/15		
Refrigerant type			R410A		
Design pressure (H/L)		MPa	4.4/2.6		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		
	Drain pipe	mm	OD Φ32		

Notes:

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
4. Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

1. Specifications

Table 1.2: Specifications

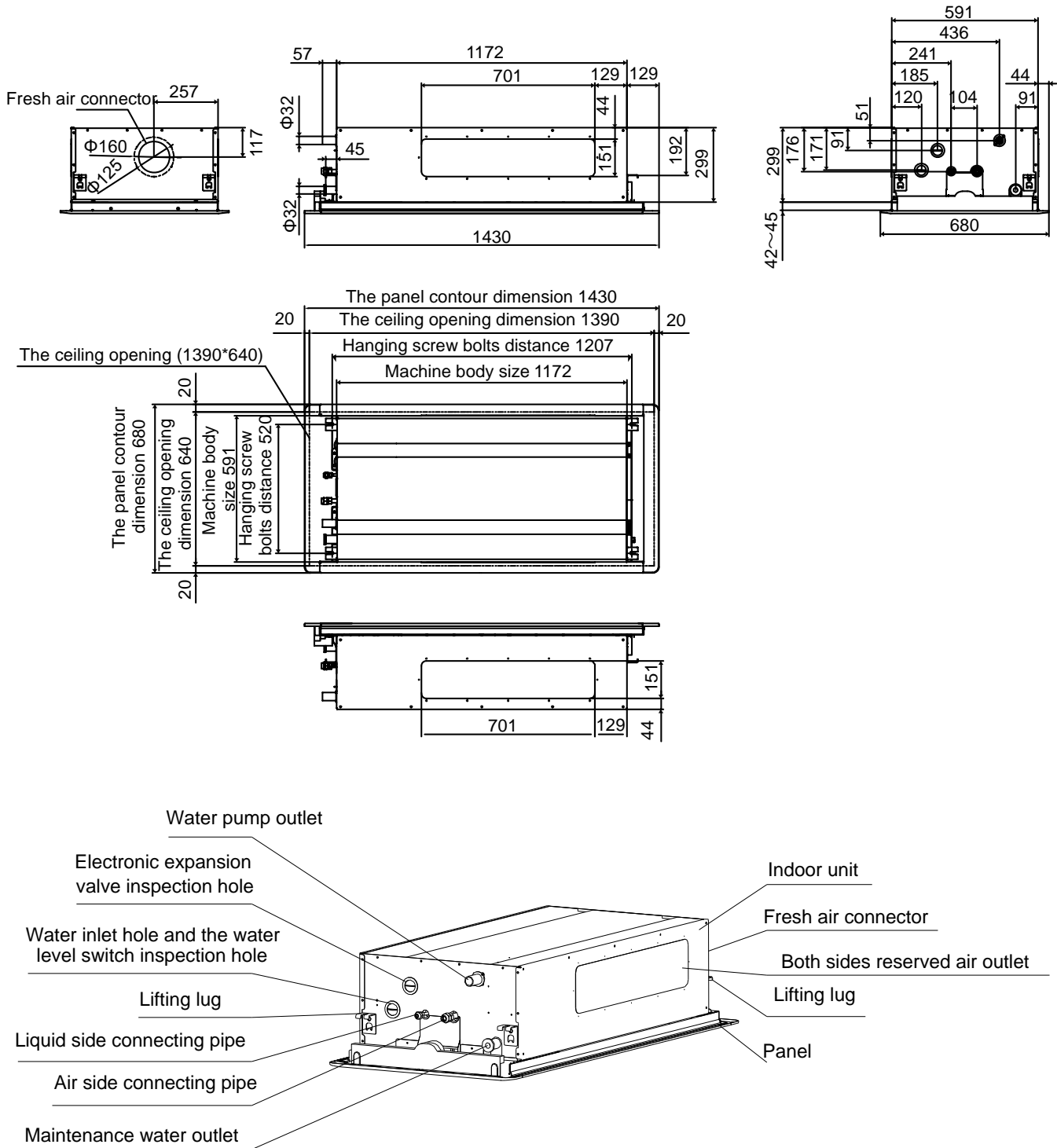
Model name			VECT015Q0A-DWV045	VECT019Q0A-DWV056	VECT024Q0A-DWV071
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	50	69	98
Heating ²	Capacity	kW	5	6.3	8
		kBtu/h	17.1	21.5	27.3
	Power input	W	50	69	98
Fan motor	Type	DC			
	Number	1			
Coil	Number of rows	2			
	Tube pitch × row pitch	mm	21×13.37		
	Fin spacing	mm	1.5		
	Fin type	Hydrophilic aluminum			
	Tube OD and type	mm	Φ7 Inner-groove		
	Dimensions (L×H ×W)	mm	882×210×26.74		
	Number of circuits	6			
Air flow rate ³	m ³ /h	850/792/731/670/631 /592/550	980/925/855/800/755 /702/670	1200/1115/1068/1000 /921/808/770	
Sound pressure level ⁴	dB(A)	37/36/35/34/32/31/30	39/37/36/35/33/31/30	44/42/41/40/38/36/34	
Main body	Net dimensions ⁵ (W×H×D)	mm	1172×299×591		
	Packed dimensions (W×H×D)	mm	1355×400×675		
	Net/Gross weight	kg	35/43.5		
Panel	Net dimensions (W×H×D)	mm	1430×53×680		
	Packed dimensions (W×H×D)	mm	1525×130×765		
	Net/Gross weight	kg	10.5/15		
Refrigerant type			R410A		
Design pressure (H/L)		MPa	4.4/2.6		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ32		

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Fan motor speed and air flow rate are from the highest speed to the lowest speed, total 7 rates for each model.
- Sound pressure level is from highest level to lowest level, total 7 levels for each model. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

2.DIMENSIONAL DRAWINGS - (MM)

Two Flow Cassette dimensions (unit: mm)



3-Electrical Characteristics

Table 3.1: Two-way Cassette electrical characteristics

Model name	Power supply						Indoor fan motors	
	Hz	Volts	Min. volts	Max. volts	MCA	MFA	Rated motor output (kW)	FLA
VECT008Q0A-DWV022	50/60	220-240	198	264	0.47	15	0.1	0.38
VECT010Q0A-DWV028	50/60	220-240	198	264	0.47	15	0.1	0.38
VECT012Q0A-DWV036	50/60	220-240	198	264	0.52	15	0.1	0.42
VECT015Q0A-DWV045	50/60	220-240	198	264	0.59	15	0.1	0.47
VECT019Q0A-DWV056	50/60	220-240	198	264	0.9	15	0.1	0.72
VECT024Q0A-DWV071	50/60	220-240	198	264	1.3	15	0.1	1.04

Abbreviations:

MCA: Minimum Circuit Amps

MFA: Maximum Fuse Amps

FLA: Full Load Amps



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