

# OMEGA High Wall VRF Indoor Unit

## SUBMITTAL DATA

**220-240V/1/50Hz**

Job: \_\_\_\_\_  
Location: \_\_\_\_\_  
Schedule: \_\_\_\_\_  
System Designation: \_\_\_\_\_

Engineer: \_\_\_\_\_  
Architect: \_\_\_\_\_  
Date: \_\_\_\_\_  
For:  Reference  Approval  Review  Construction

### FEATURES

- Wireless Remote Included.
- Washable Filter.
- Auto Restart.
- Seven Speed Fan.
- Refrigerant R-410A
- LED Readout



### 1. Specifications

Table 1.1: BEWM008(10,12,15) specifications

Model			BEWM008Q3A-DWV022	BEWM010Q3A-DWV028	BEWM012Q3A-DWV036	BEWM015Q3A-DWV045
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kBtu/h	7	9	12	15
	Power input	W	29	29	31	45
Heating <sup>2</sup>	Capacity	kBtu/h	8	10	13	17
	Power input	W	29	29	31	45
Fan Motor Type			AC			
Air flow rate <sup>3</sup>		m <sup>3</sup> /h	446/429/424/409/ 394/382/373	457/445/433/421/4 19/410/402	447/429/399/369 /339/333/303	648/618/582/563/ 546/505/476
Indoor Unit Coil	Number of rows		1	1	1	2
	Tube pitch × row pitch	mm	21x13.37			
	Fin spacing	mm	1.3			
	Fin type		Hydrophilic aluminum			
	Tube OD and type	mm	Φ7 Inner-groove			
	Dimensions (LxH xW)	mm	585x315x13.37	585x315x13.37	585x315x126.74	701x315x26.74
	Number of circuits		2	3	5	5
External Static Pressure		Pa	0	0	0	0
Sound pressure level <sup>4</sup>		dB(A)	34/33/33/32/32/3 1/31	33/33/32/32/31/31 /31	36/35/34/33/32/3 2/32	37/36/34/34/33/32 /31
Unit	Net dimensions <sup>5</sup> (WxHxD)	mm	835x280x203			990x315x223
	Packed dimensions (WxHxD)	mm	915x353x300			1075x395x300
	Net/Gross weight		kg	8.5/11.0	8.5/11.0	9.7/12.2
Refrigerant type			R410A			
Design pressure (H/L)		MPa	4.4/2.6			
Pipe connectio ns	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ16			

**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 in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Model			BEWM019Q3A-DWV056	BEWM024Q3A-DWV071	BEWM027Q3A-DWV098	BEWM032Q3A-DWV090
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kBtu/h	19	24	27	30
	Power input	W	54	77	77	90
Heating <sup>2</sup>	Capacity	kBtu/h	21	27	30	34
	Power input	W	54	77	77	90
Fan Motor type			AC			
Air flow rate <sup>3</sup>		m <sup>3</sup> /h	798/764/723/691/ 665/627/595	1240/1171/1107/1 045/976/914/869	1248/1194/1119/1 056/993/914/863	1427/1403/1303/12 32/1186/1096/1043
Indoor Unit Coil	Number of rows		2	2	2	2
	Tube pitch × row pitch	mm	21x13.37			
	Fin spacing	mm	1.3			
	Fin type		Hydrophilic aluminum			
	Tube OD and type	mm	Φ7 Inner-groove			
	Dimensions (L×H ×W)	mm	701×315×26.74	825×399×26.74	825×399×26.74	825×399×26.74
	Number of circuits		5	5	6	5
External Static Pressure		Pa	0	0	0	0
Sound pressure level <sup>4</sup>		dB(A)	42/41/40/39/38/3 7/36	48/47/45/44/42/39 /38	48/47/45/43/42/3 9/38	52/51/50/49/47/45/ 43
Unit	Net dimensions <sup>5</sup> (W×H×D)	mm	990×315×223	1194×343×262		
	Packed dimensions (W×H×D)	mm	1075×395×300	1265×420×345		
	Net/Gross weight	kg	13.8/16.4	17.4/20.8	17.6/21.0	17.6/21.0
Refrigerant type			R410A			
Pipe connectio ns	Liquid/Gas pipe	mm	Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ16			

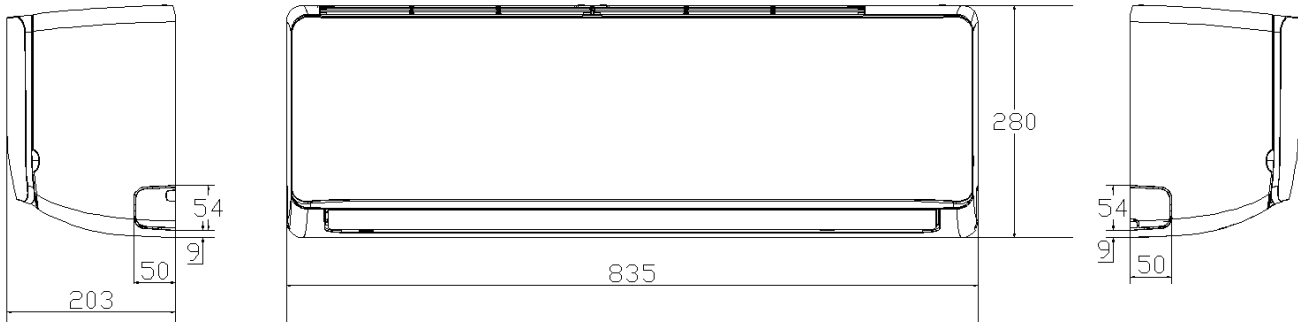
**Notes:**

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 in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

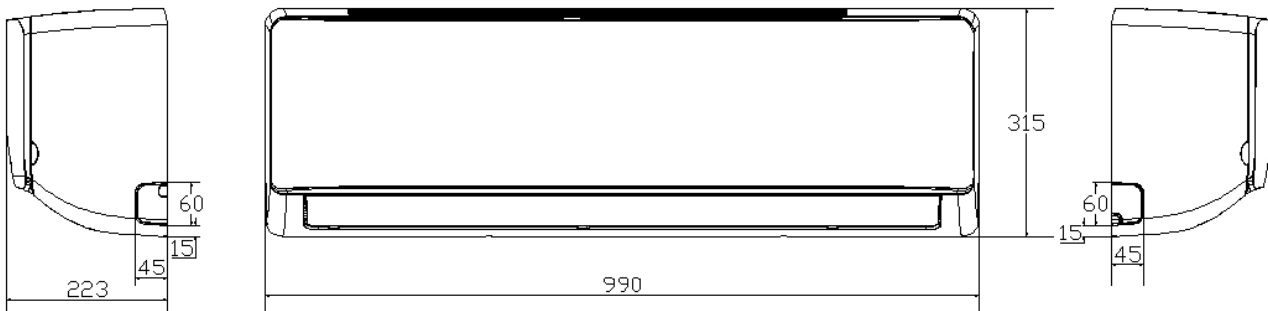
2-DIMENSIONAL DRAWINGS - (MM)

Figure 2.1: Wall mounted dimensions (unit: mm)

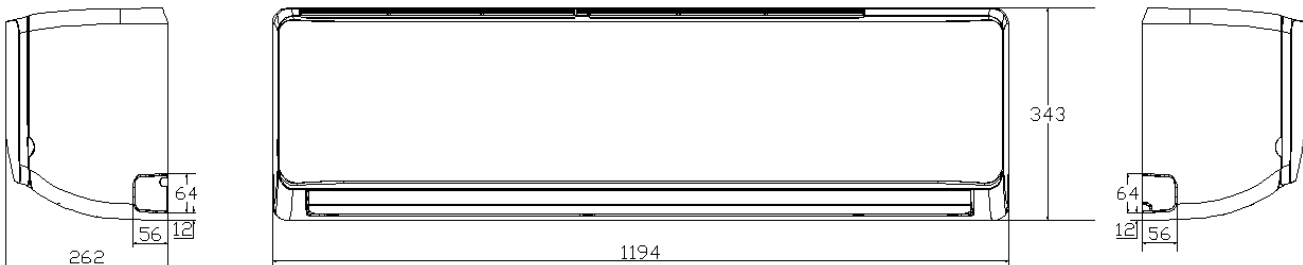
BEWM008Q3A-DWV022 ; BEWM010Q3A-DWV028, BEWM012Q3A-DWV036,



BEWM015Q3A-DWV045, BEWM019Q3A-DWV056



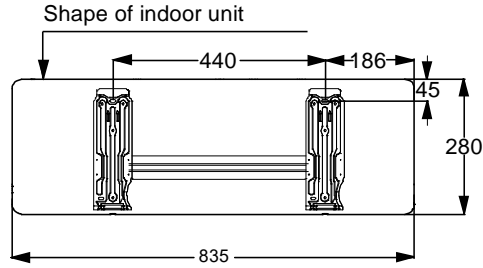
BEWM024Q3A-DWV071, BEWM027Q3A-DWV080, BEWM032Q3A-DWV090



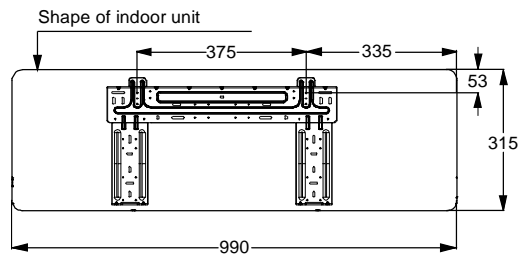
3-Rack Dimensions - (MM)

Figure 3.1: Wall mounted dimensions (unit: mm)

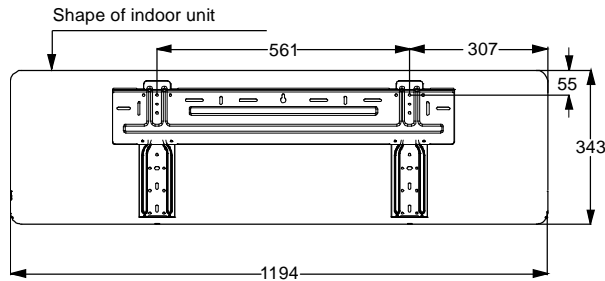
BEWM008Q3A-DWV022, BEWM010Q3A-DWV028, BEWM012Q3A-DWV036



BEWM015Q3A-DWV045, BEWM019Q3A-DWV056



BEWM024Q3A-DWV071, BEWM027Q3A-DWV080, BEWM032Q3A-DWV090



## 3-Electrical Characteristics

*Table 7.1: Wall mounted electrical characteristics*

Model	Power supply						Indoor fan motors	
	Hz	Volts	Min. volts	Max. volts	MCA	MFA	Rated motor output (kW)	FLA
BEWM008Q3A-DWV022	50	220-240	198	264	0.32	15	0.02	0.2
BEWM010Q3A-DWV028	50	220-240	198	264	0.32	15	0.02	0.2
BEWM012Q3A-DWV036	50	220-240	198	264	0.45	15	0.02	0.23
BEWM015Q3A-DWV045	50	220-240	198	264	0.47	15	0.045	0.35
BEWM019Q3A-DWV056	50	220-240	198	264	0.58	15	0.045	0.4
BEWM024Q3A-DWV071	50	220-240	198	264	0.90	15	0.05	0.45
BEWM027Q3A-DWV080	50	220-240	198	264	0.90	15	0.05	0.45
BEWM032Q3A-DWV090	50	220-240	198	264	1.10	15	0.05	0.52

**Abbreviations:**

MCA: Minimum Circuit Amperes

MFA: Minimum Fuse Amperes

IFM: Indoor Fan Motor

kW: Rated motor output

FLA: Full Load Amperes