

OMEGA MINI VRF ULTIMA

SUBMITTAL DATA

220~240V/1/50-60Hz

Job:

Location:

Schedule No.:

System Designation:

Engineer:

Architect:

Date:

For:	Reference	Approval	Review	Construction
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FEATURES

- Anti-Corrosion Protection
- Welding Free Branch Piping
- Automatic Fault Detection
- Cooling and Heating System
- Refrigerant-Cooled PCB Board
- Linear Capacity Match with IDU
- Intelligent Soft Start
- Full DC Inverter Technology



1.Specifications

BEWM Wall Mounted Mini VRF Ultima

Model			BEWM006N0A-DWV018	BEWM008N0A-DWV022	BEWM010N0A-DWV028
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kBtu/h	5	7	9
		kW	1.5	2.2	2.8
	Power input	W	18	21	24
Heating ²	Capacity	kBtu/h	5	8	10
		kW	1.7	2.4	3.2
	Power input	W	18	21	24
Fan motor	Model		ZKSN-20-8-5L	ZKSN-20-8-5L	ZKSN-20-8-5L
	Type		DC		
Indoor coil	Number of rows		1	1	2&3
	Fin spacing	mm	1.3	1.3	1.33
	Fin type		Hydrophilic aluminum		
	Tube OD and type	mm	Φ7 Inner-groove		Φ5 Inner-groove
	Dimensions (L×H×W)	mm	530×170×95	530×170×95	530×170×95
	Number of circuits		2	2	6
Air flow rate ³		m ³ /h	460/440/420/400 /380/360/340	500/470/440/410 /390/370/340	540/510/470/430 /400/370/340
Sound pressure level ⁴		dB(A)	32/31/30/30/29/28 /27	33/32/31/30/29/28 /27	35/34/33/32/31/30 /28
Sound power level		dB(A)	45/44/43/43/42/41 /40	46/45/44/43/42/41 /40	50/49/48/47/46/44 /42
Unit	Net dimensions ⁵ (W×H×D)	mm	750×295×265		
	Packed dimensions (W×H×D)	mm	875×385×360		
	Net/Gross weight	kg	9/11.5	9/11.5	10/12.5
Refrigerant type			R410A/R32		
Throttle		Type	Electronic expansion valve		
Design pressure (H/L)		MPa	4.4/2.6		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		
	Drain pipe	mm	OD Φ16		

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 in an anechoic chamber.
- The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc. For detailed dimensions, please refer to the installation manual.

1. Specifications

BEWM Wall Mounted Mini VRF Ultima

Model			BEWM012N0A-DWV036	BEWM015N0A-DWV045	BEWM019N0A-DWV056
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kBtu/h	12	15	19
		kW	3.6	4.5	5.6
	Power input	W	27	30	40
Heating ²	Capacity	kBtu/h	13	17	21
		kW	4.0	5.0	6.3
	Power input	W	27	30	40
Fan motor	Model		ZKSN-20-8-5L	ZKSN-20-8-5L	ZKSN-20-8-5L
	Type		DC		
Indoor coil	Number of rows		2&3		
	Fin spacing	mm	1.33		
	Fin type		Hydrophilic aluminum		
	Tube OD and type	mm	Φ5 Inner-groove		
	Dimensions (L×H×W)	mm	530×170×95	730×170×95	730×170×95
	Number of circuits		6	6	6
Air flow rate ³		m ³ /h	580/540/500/460 /420/380/340	720/670/620/560 /510/460/410	860/780/700/620 /550/480/410
Sound pressure level ⁴		dB(A)	37/36/34/33/31/30 /28	37/35/33/32/31/30 /29	41/39/37/35/33/31 /29
Sound power level		dB(A)	54/53/51/50/48/46 /44	54/52/50/49/48/46 /44	56/54/52/50/48/46 /44
Unit	Net dimensions ⁵ (W×H×D)		mm	750×295×265	950×295×265
	Packed dimensions (W×H×D)		mm	875×385×360	1075×385×360
	Net/Gross weight		kg	10/12.5	11.5/14
Refrigerant type			R410A/R32		
Throttle		Type	Electronic expansion valve		
Design pressure (H/L)		MPa	4.4/2.6		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		
	Drain pipe	mm	OD Φ16		

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.
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1. Specifications

BEWM Wall Mounted Mini VRF Ultima

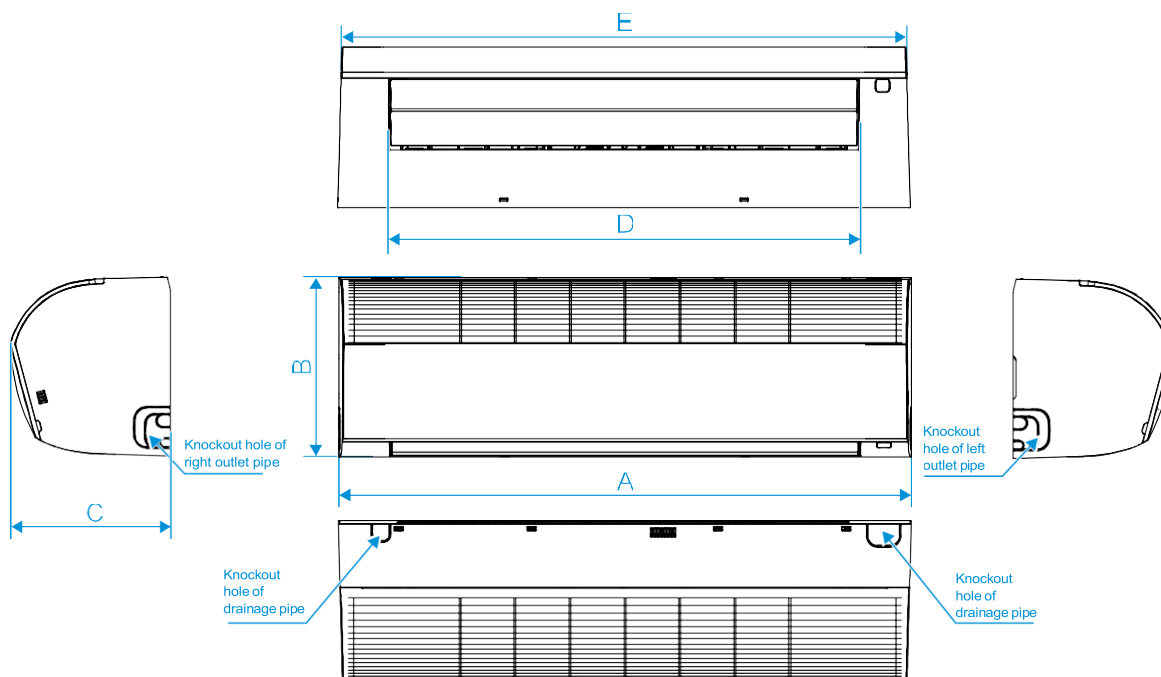
Model			BEWM024N0A-DWV071	BEWM027N0A-DWV080
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kBtu/h	24	27
		kW	7.1	8.0
	Power input	W	50	65
Heating ²	Capacity	kBtu/h	27	30
		kW	8.0	9.0
	Power input	W	50	65
Fan motor	Model		ZKSN-50-8-17L	ZKSN-50-8-17L
	Type		DC	
Indoor coil	Number of rows		2&3	
	Fin spacing	mm	1.33	
	Fin type		Hydrophilic aluminum	
	Tube OD and type	mm	Φ5 Inner-groove	
	Dimensions (L×H×W)	mm	980×170×95	980×170×95
	Number of circuits		8	8
Air flow rate ³		m ³ /h	1220/1120/1030/940/850/750 /660	1380/1260/1140/1020/900/780 /660
Sound pressure level ⁴		dB(A)	44/42/40/38/36/34/32	45/43/41/39/37/35/32
Sound power level		dB(A)	58/56/54/52/50/48/46	60/57/55/53/50/48/46
Unit	Net dimensions ⁵ (W×H×D)	mm	1200×295×265	
	Packed dimensions (W×H×D)	mm	1315×385×360	
	Net/Gross weight	kg	15/18	
Refrigerant type			R410A/R32	
Throttle		Type	Electronic expansion valve	
Design pressure (H/L)		MPa	4.4/2.6	
Pipe connections	Liquid/Gas pipe	mm	Φ9.52/Φ15.9	
	Drain pipe	mm	OD Φ16	

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
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2 Dimensional Drawings - (MM)

Wall mounted dimensions (unit: mm)



Capacity(kBtu/h)	A	B	C	D	E
kBtu/h≤12	750	295	265	581	736
12 < kBtu/h≤18	950	295	265	781	936
18 < kBtu/h≤28	1200	295	265	1025	1186

3-Electrical Characteristics

Electrical Characteristics

Wall mounted electrical characteristics

Model	Power supply						Indoor Fan Motor	
	Hz	Volts	Min. volts	Max. volts	MCA	MFA	Rated motor output (W)	FLA
BEWM006N0A-DWV018	50/60	220-240	198	264	0.28	15	20	0.22
BEWM008N0A-DWV022	50/60	220-240	198	264	0.29	15	20	0.23
BEWM010N0A-DWV028	50/60	220-240	198	264	0.36	15	20	0.29
BEWM012N0A-DWV036	50/60	220-240	198	264	0.39	15	20	0.31
BEWM015N0A-DWV045	50/60	220-240	198	264	0.41	15	20	0.33
BEWM019N0A-DWV056	50/60	220-240	198	264	0.51	15	20	0.41
BEWM024N0A-DWV071	50/60	220-240	198	264	0.69	15	50	0.55
BEWM027N0A-DWV080	50/60	220-240	198	264	0.98	15	50	0.78

Abbreviations:

MCA: Minimum Circuit Amps

MFA: Maximum Fuse Amps

FLA: Full Load Amps



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