
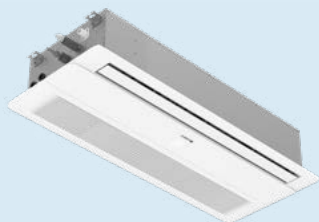



SUBMITTAL DATA

OWC09HP230V1R32AH
9000 BTU/H One Way Cassette Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	

		
YBE1FB5F	OWC09HP230V1R32AH	XE72-44/E

GENERAL FEATURES

- AHRI Certificate: 215413814 (Vireo R32), 215413809 (Envo R32), 215415551 (Sapphire R32)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Multiple Fan Speeds
- Swing Louver Control
- Internal Condensate Drain Pump W/ Sentry Float Switch
- Wireless Remote with LCD Display Included
- XE72-44/E Wired Controller Included
- Low Ambient Cooling and Heating
- (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested
- New R32 Refrigerant with Refrigerant Sensor

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

INDOOR MODEL		OWC09HP230V1R32AH		
System Type				HEAT PUMP
Outdoor Model	VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO	
SYSTEM PERFORMANCE				
Cooling	Min - Max	Btu/h	900 - 14,100	900 - 14,100
	Capacity @95°F	Btu/h	9,100	9,100
Heating	Min - Max	Btu/h	900 - 15,500	900 - 15,500
	Capacity @47°F	Btu/h	10,500	10,500
	Capacity @17°F	Btu/h	7,200	6,500
	Capacity Max @5°F	Btu/h	9,400	9,000
SEER2			22.0	22.5
EER2			13.1	13.65
HSPF2			9.5	9.5
COP @5°F			1.97	1.75
Cooling Temperature Range		°F	-20 - 122	
Heating Temperature Range		°F	-22 - 86	
Refrigerant Type	R32			
INDOOR UNIT		OWC09HP230V1R32AH		
Air flow (Min-Max)	CFM	200 - 324		
Sound Pressure Level (Min - Max)	dB(A)	31 - 37		
Dehumidification	pt/hr	1.69		
External Dimensions (L x D x H)	in	38-55/64 x 15-5/32 x 7-1/64		
Package Dimension (L x W x H)	in	51-29/64 x 19-23/32 x 12-13/64		
Net Weight	lbs	41.9		
Gross Weight	lbs	57.3		
CASSETTE GRILLE (REQUIRED)		GREETD01		
Grille Dimension (L x D x H)	in	47-1/4 x 18-7/64 x 2-11/64		
Package Dimension (L x W x H)	in	49-13/16 x 21-1/8 x 4-25/32		
Weight (Net / Gross)	lbs	9.26 / 13.23		
OUTDOOR UNIT		VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO
Sound Pressure Level	dB(A)	52	52	56
External Dimensions (L x D x H)	in	31-37/64 x 13-25/32 x 21-27/32	31 37/64 x 13 25/32 x 21 27/32	34-3/8 x 14-51/64 x 21-27/32
Package Dimension (L x W x H)	in	34-21/64 x 15-43/64 x 24-13/32	34 21/64 x 15 43/64 x 24 13/32	37-7/16 x 16-31/32 x 24-13/32
Net Weight	lbs	70.6	70.6	78.3
Gross Weight	lbs	76.1	76.1	84.9
REFRIGERANT PIPING				
Refrigerant Charge - R410A	oz	30	30	35.3
Additional Charge	oz/ft	0.2	0.2	0.2
Line Set Sized by Indoor Unit (Liquid - Gas)	in	1/4 - 3/8		
Line Set Size (Liquid - Gas) - Flared Connections	in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2
Pre-Charge Length	ft	25		
Pipe Length (Min - Max)	ft	10 - 66	10 - 66	10 - 131
Max. Pipe Elevation	ft	40	40	82
ELECTRICAL				
Power Supply	208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			
Voltage Range (Min - Max)	VAC	187 - 253		
Rated Current - Cooling	A	4.73	4.73	5.9
Rated Current - Heating	A	6	6	7.6
MCA	A	10	10	11
MOCP	A	15	15	15
Suggested Breaker Size	A	10	10	15
Main Power Wire Size	AWG	Per Local Code		
Interconnecting Wire Size	AWG	14 / 4		

FEATURES & FUNCTIONS SUMMARY

SYSTEM FEATURES

Inverter Type	G20 with Field Oriented control (FOC)
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type - Inverter	High Efficiency Rotary
Basepan With Electric Heater	Yes
Indoor & Outdoor Fin Coating (Blue Fin)	Yes
Intelligent Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface	Yes
WiFi Included	No
Indoor Fan Type	Centrifugal
Multi Fan Speeds	4 Speeds
Indoor Unit Display	Yes
Auxiliary Electrical Heater	No
Ventilation (Outdoor Air)	Yes

REMOTE CONTROLLER FUNCTIONS

Auto Mode	Yes
Auto Fan	Yes
Auto Swing (Horizontal Auto Swing)	No
Auto Swing - 180° (Vertical Auto Swing)	Yes
Clock	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	Yes
Dirty Filter Alert	No
Fan Speed Control (7 Speeds)	Yes
I Feel Function	Yes
Privacy Lock	Yes
Quiet Mode	Yes
Room Temperature Display	No
Sleep Mode	Yes
3 Sleep Mode Options	Yes
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode	Yes
Power Failure Mode	Yes

NOTE:

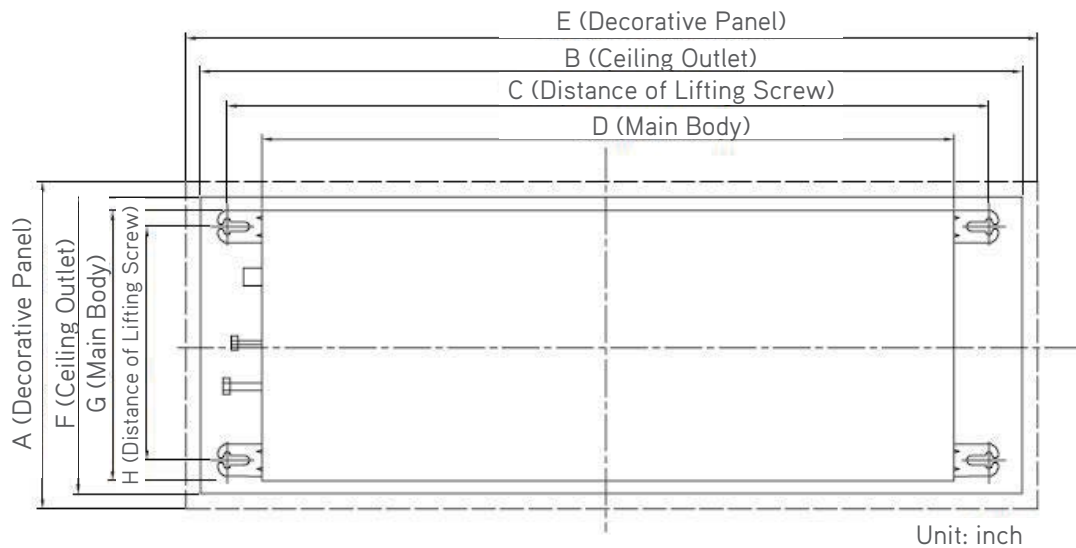
Please check the Multi-zone submittals for Non-Ducted or Mixed Performance table.

DIMENSIONS

INDOOR UNIT

Unit: inch

OWC09HP230V1R32AH	
DIMENSIONS	
A	47-1/4
B	43-57/64
C	40-7/16
D	38-55/64
E	18-7/64
F	16-11/32
G	15-5/32
H	10-9/32



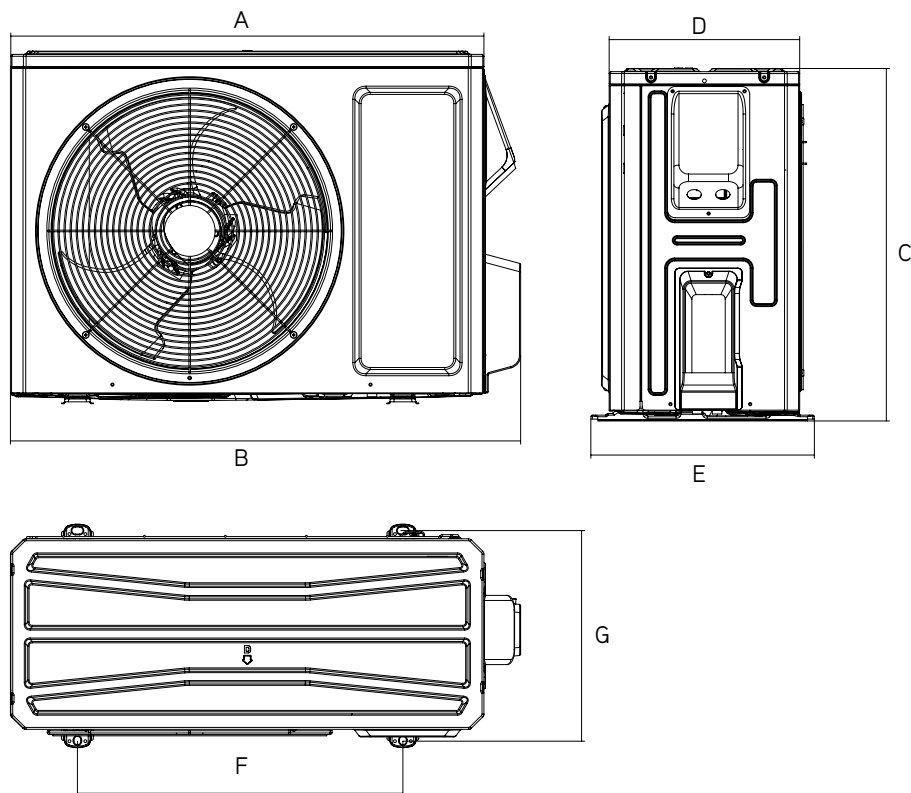
OUTDOOR UNIT

Unit: inch

VIR09HP230V1R32AO	
DIMENSIONS	
A	29 21/64
B	31 37/64
C	21 27/32
D	11 13/16
E	13 25/32
F	20 5/32
G	13 5/64

ENV09HP230V1R32AO	
DIMENSIONS	
A	29 21/64
B	31 37/64
C	21 27/32
D	11 13/16
E	13 25/32
F	20 5/32
G	13 5/64

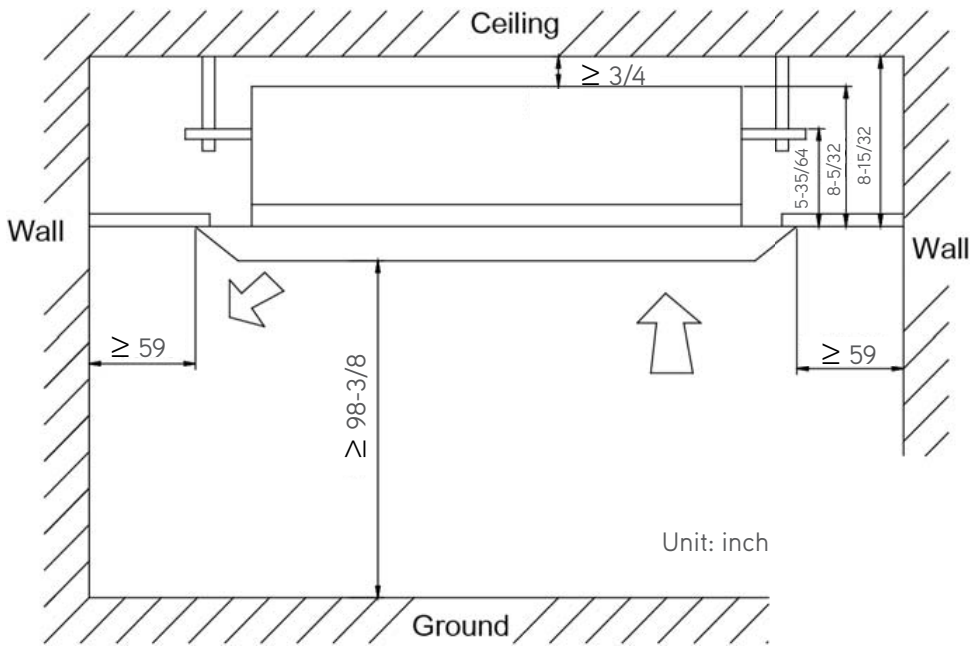
SAP09HP230V1R32AO	
DIMENSIONS	
A	31 11/16
B	34 3/8
C	21 27/32
D	13 1/64
E	14 51/64
F	20 25/32
G	13 21/32



CLEARANCES

INDOOR UNIT

Minimum clearance

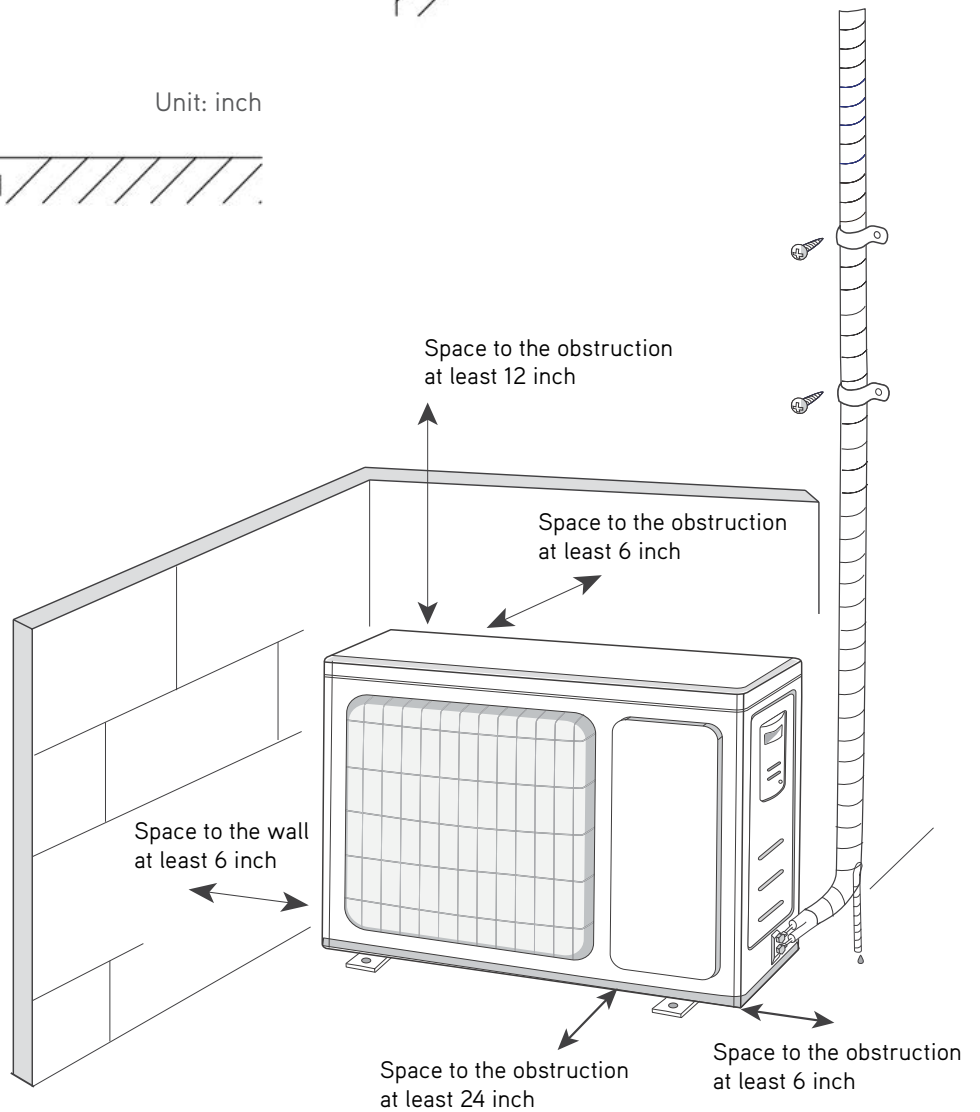


OUTDOOR UNIT

Minimum clearance

A 3D perspective diagram of a mounting bracket. A double-headed arrow indicates a clearance of 3 inches from the back of the unit to the wall.

NOTE:
If bottom of the unit is free of airflow obstructions similar to the mounting bracket figure, the clearance to the wall on the back can be reduced to 3 inches.



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