
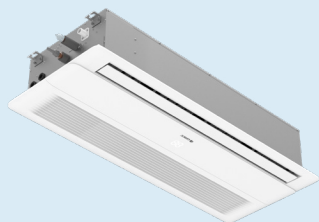



SUBMITTAL DATA

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

SYSTEM TYPE			HEAT PUMP		
Indoor Model			OWC09HP230V1R32AH		
Outdoor Model			VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO
SYSTEM PERFORMANCE					
Cooling Capacity	Min - Max	Btu/h	2,559 - 11,601	2,559 - 11,601	2,500 - 11,500
	Rated Capacity @95°F	Btu/h	9,100	9,100	9,100
Heating Capacity	Min - Max	Btu/h	2,900 - 13,648	2,900 - 13,648	2,800 - 14,000
	Rated Capacity @47°F	Btu/h	10,500	10,500	10,500
	Rated Capacity @17°F	Btu/h	8,800	8,800	8,900
	Rated Capacity @5°F	Btu/h	9,400	9,400	9,000
SEER2			22.0	22.0	22.5
EER2			13.1	13.1	13.65
HSPF2			9.5	9.5	9.5
COP @5°F			1.97	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)	28 - 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	43.0		
Gross Weight		lbs	58.4		
CASSETTE GRILLE (REQUIRED)			GREED01		
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	49-51/64 x 21-7/64 x 4-49/64		
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 - R32		oz	30	30	35.3
Additional Charge		oz/ft	0.2	0.2	0.2
Indoor Piping Connection (Liquid - Gas)*		in	1/4 - 3/8		
Outdoor Piping Connection (Liquid - Gas)		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	5.8	5.8	7.5
Rated Current - Heating		A	7.6	7.6	8.6
MOCP		A	15	15	15
MCA		A	10	10	11
Main Power Wire Size		AWG	Per Local Code		
Interconnecting Wire Size		AWG	14 / 4		

* Refrigerant piping must be sized by the indoor unit connections. If the outdoor unit connection is a different size from the indoor unit connection, a flare adapter must be purchased separately and installed on the outdoor unit.

FEATURES & FUNCTIONS SUMMARY	
Inverter Type	G20
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)	No
REMOTE CONTROLLER FUNCTIONS	
Auto Mode	Yes
Auto Fan	Yes
Auto Swing (Horizontal Auto Swing)	Yes
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	No
Privacy Lock	Yes
Quiet Mode	No
Room Temperature Display	No
Sleep Mode	Yes
3 Sleep Mode Options	No
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode	Yes
Power Failure Mode	Yes

NOTE:

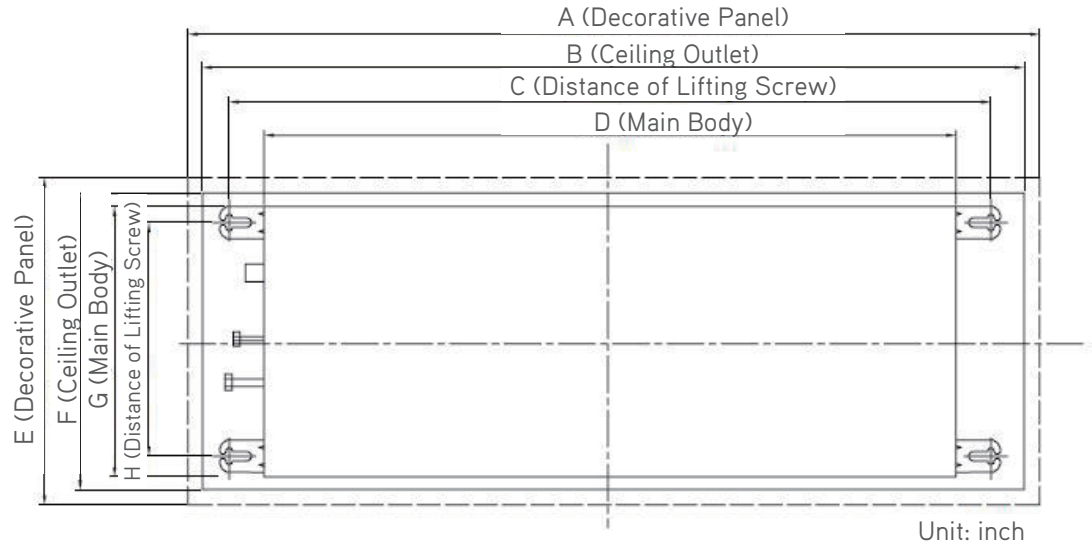
Please check the Multi-zone submittals for Non-Ducted or Mixed Performance table.

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



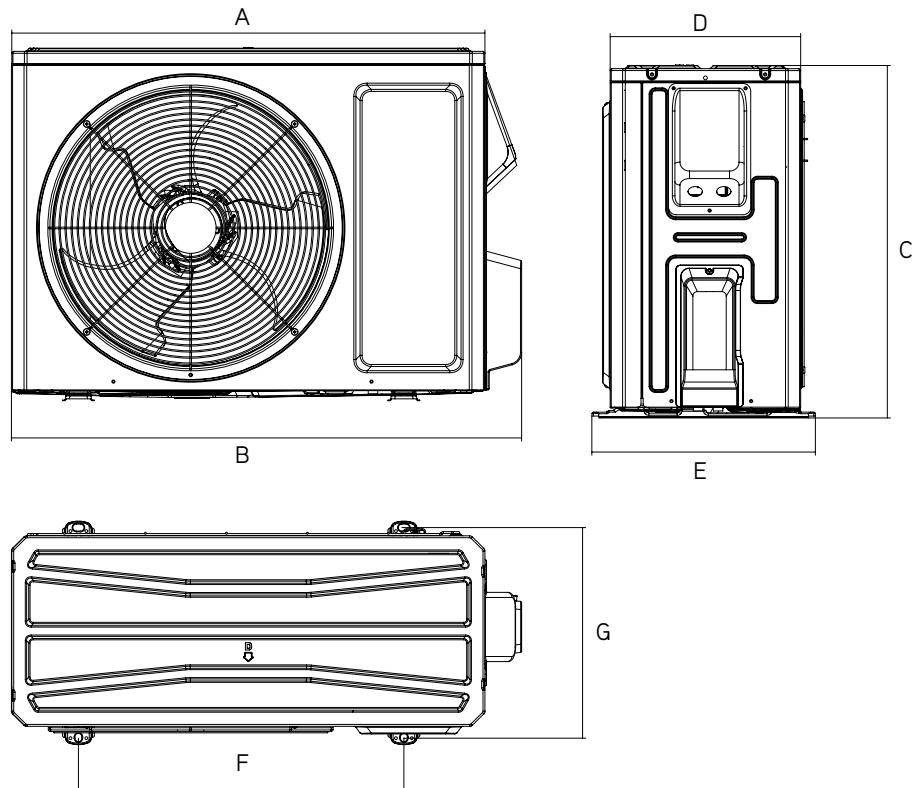
OUTDOOR UNIT

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

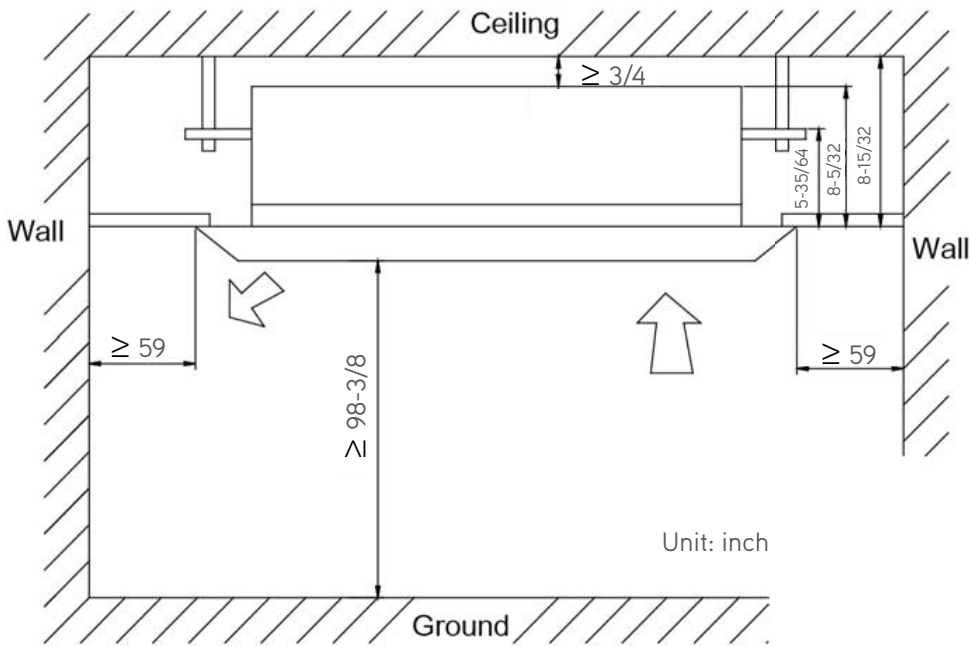
SAP09HP230V1R32AO	
DIMENSIONS	
A	31 11/16
B	34 3/8
C	21 27/32
D	13 1/64
E	14 51/64
F	20 25/32
G	13 21/32



CLEARANCES

INDOOR UNIT

Minimum clearance

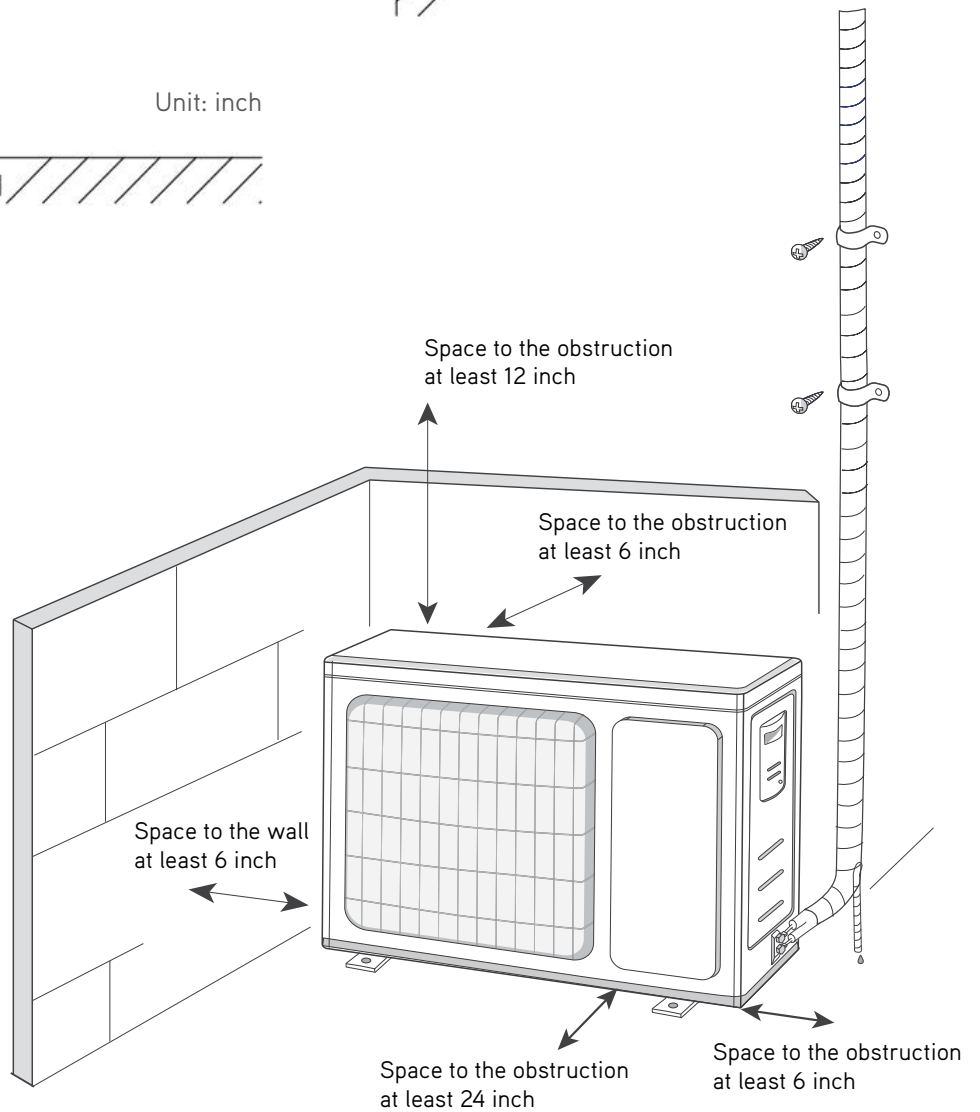


OUTDOOR UNIT

Minimum clearance

A 3D perspective diagram showing an outdoor unit mounted on a bracket. The bracket is attached to a wall, and the unit is positioned such that there is a 3-inch clearance between the back of the unit and the wall. The number '3 inch' is written at the bottom right of the diagram.

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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