




## SUBMITTAL DATA

CON12HP230V1R32AH  
12000 BTU/H Mini Console Heat Pump System

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

		
YBE1FB5F	CON12HP230V1R32AH	XE72-44/E (Optional)

### GENERAL FEATURES

- AHRI Certificate: 215415566 (Vireo R32), 215415571 (Envo R32), 215415530 (Sapphire R32)
- Quiet Operation and Multi-Speed Fan
- 2-Way Discharge Air
- Swing Louver Control
- Multi-Directional Air Flow
- Wireless Remote with LCD Display Included
- Optional XE72-44/E Wired Controller
- 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		CON12HP230V1R32AH			
System Type		HEAT PUMP			
Outdoor Model	VIR12HP230V1R32AO	ENV12HP230V1R32AO	SAP12HP230V1R32AO		
SYSTEM PERFORMANCE					
Cooling	Min - Max	Btu/h	7,452 - 14,638	7,452 - 14,638	8,620 - 16,933
	Capacity @95°F	Btu/h	12,000	12,000	12,000
Heating	Min - Max	Btu/h	6,435 - 19,989	6,435 - 19,989	7,422 - 16,134
	Capacity @47°F	Btu/h	12,000	12,000	12,000
	Capacity @17°F	Btu/h	7,500	7,500	7,500
	Capacity Max @5°F	Btu/h	10,000	10,000	10,200
SEER2			23.0	23.0	23.0
EER2			13.0	13.0	13.0
HSPF2			9.0	9.0	9.0
COP @5°F			1.90	1.90	1.90
Cooling Temperature Range		°F	-20 - 122		
Heating Temperature Range		°F	-22 - 86		
Refrigerant Type			R32		
INDOOR UNIT		CON12HP230V1R32AH			
Air flow (Min-Max)		CFM	206 - 441		
Sound Pressure Level (Min - Max)		dB(A)	29 - 45		
Dehumidification		pt/hr	2.96		
External Dimensions (L x D x H)		in	27-9/16 x 8-15/32 x 23-5/8		
Package Dimension (L x W x H)		in	31-1/32 x 11-9/64 x 27-7/16		
Net Weight		lbs	33.1		
Gross Weight		lbs	39.7		
OUTDOOR UNIT		VIR12HP230V1R32AO	ENV12HP230V1R32AO	SAP12HP230V1R32AO	
Sound Pressure Level		dB(A)	52	52	55
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	67.3	70.6	78.3
Gross Weight		lbs	72.8	76.1	84.9
REFRIGERANT PIPING					
Refrigerant Charge - R410A		oz	28.2	28.2	47.6
Additional Charge		oz/ft	0.2	0.2	0.4
Line Set Sized by Indoor Unit (Liquid - Gas)		in	1/4 - 1/2		
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 1/2	1/4 - 1/2	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	6.64	6.64	5.9
Rated Current - Heating		A	6.41	6.41	7.8
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	7 Speeds
Indoor Unit Display	No
Auxiliary Electrical Heater	No
Ventilation (Outdoor Air)	No

### 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.

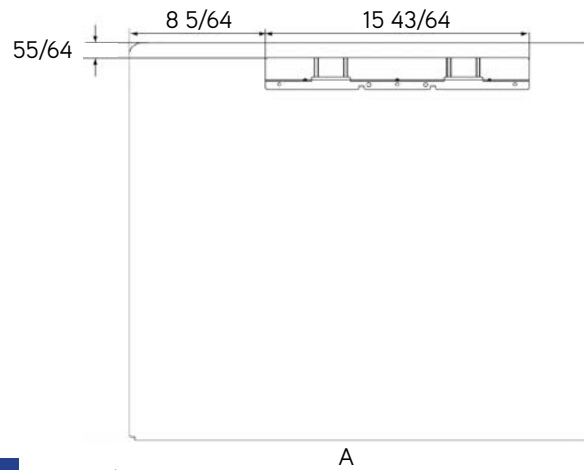
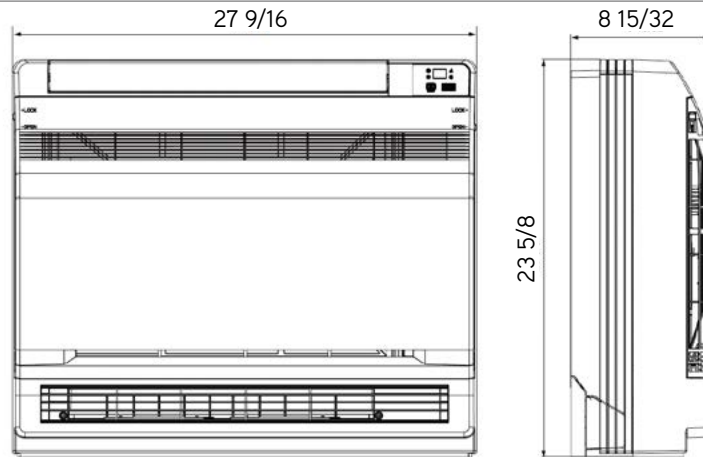
## DIMENSIONS

### INDOOR UNIT

Unit: inch

CON12HP230V1R32AH

DIMENSIONS



### OUTDOOR UNIT

Unit: inch

VIR12HP230V1R32AO

DIMENSIONS

A	$29 \frac{21}{64}$
B	$31 \frac{37}{64}$
C	$21 \frac{27}{32}$
D	$11 \frac{13}{16}$
E	$13 \frac{25}{32}$
F	$20 \frac{5}{32}$
G	$13 \frac{5}{64}$

ENV12HP230V1R32AO

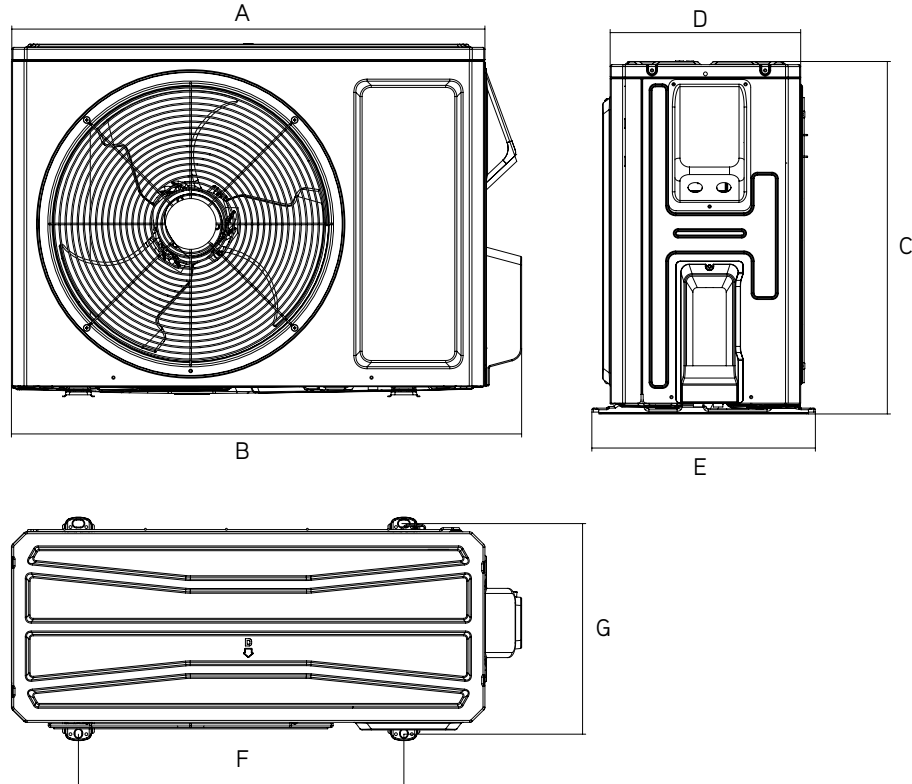
DIMENSIONS

A	$29 \frac{21}{64}$
B	$31 \frac{37}{64}$
C	$21 \frac{27}{32}$
D	$11 \frac{13}{16}$
E	$13 \frac{25}{32}$
F	$20 \frac{5}{32}$
G	$13 \frac{5}{64}$

SAP12HP230V1R32AO

DIMENSIONS

A	$31 \frac{11}{16}$
B	$34 \frac{3}{8}$
C	$21 \frac{27}{32}$
D	$13 \frac{1}{64}$
E	$14 \frac{51}{64}$
F	$20 \frac{25}{32}$
G	$13 \frac{21}{32}$



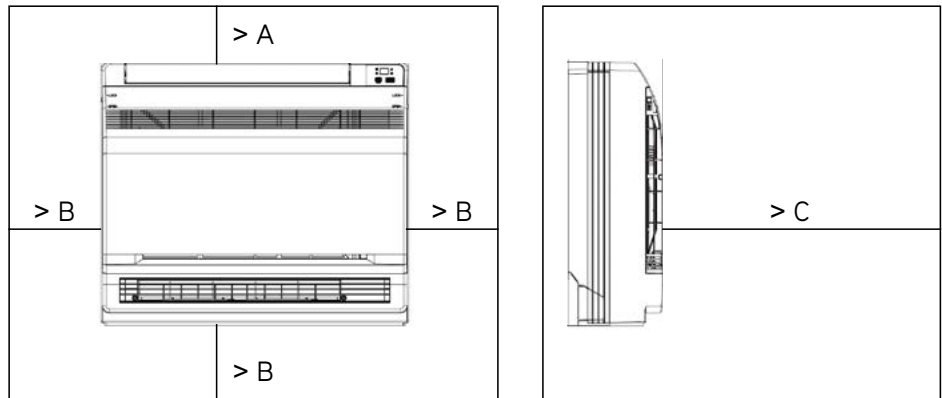
# CLEARANCES

## INDOOR UNIT

Minimum clearance

DIMENSIONS	
A	2-3/4
B	2
C	39

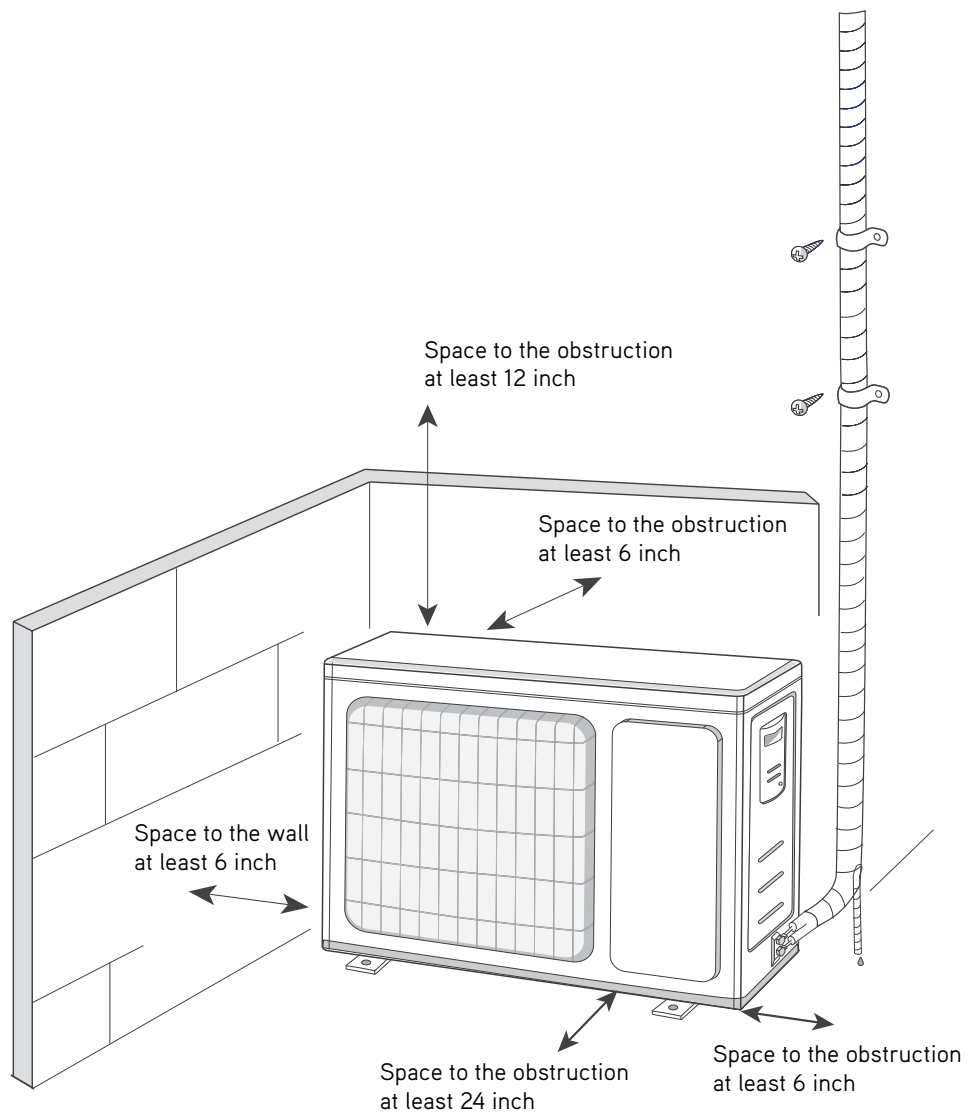
Unit: inch



## OUTDOOR UNIT

Minimum clearance

**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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