

SUBMITTAL DATA

FLR09HP230V1R32AH
9000 BTU/H Floor Ceiling Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	
  		
YBE1FB5F	FLR09HP230V1R32AH	XE72-44/E

GENERAL FEATURES

- AHRI Certificate: [215413815 \(Vireo R32\)](#), [215413810 \(Envo R32\)](#), [215415549 \(Sapphire R32\)](#)
- Quiet Operation and Multi-Speed Fan
- Floor Stand or Ceiling Mount
- Multi-Directional Air Flow
- 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			FEATURES & FUNCTIONS SUMMARY	
Indoor Model			FLR09HP230V1R32AH			Inverter Type	G20
Outdoor Model			VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO	Ultra Low Frequency Torque Control	Yes
SYSTEM PERFORMANCE						Power Factor Correction	Yes
Cooling Capacity	Min - Max	Btu/h	6,888 - 13,776	6,888 - 13,776	3,805 - 9,646	Compressor Type - Inverter	High Efficiency Rotary
	Capacity @95°F	Btu/h	9,100	9,100	9,100	Basepan With Electric Heater	Yes
Heating Capacity	Min - Max	Btu/h	5,760 - 14,300	5,760 - 14,300	4,804 - 11869	Indoor & Outdoor Fin Coating (Blue Fin)	Yes
	Capacity @47°F	Btu/h	10,500	10,500	10,500	Intelligent Defrosting	Yes
	Capacity @17°F	Btu/h	8,800	8,800	8,900	Intelligent Preheating	Yes
	Capacity @5°F	Btu/h	10,000	10,000	10,500	Low Voltage Startup	Yes
SEER2			25.0	25.0	25.5	Memory/Power Failure Recovery	Yes
EER2			14.20	14.2	14.3	Self Diagnosis	Yes
HSPF2			9.6	9.6	9.8	Wired Controller Interface	Yes
COP @5°F			1.95	1.95	1.90	WiFi Included	No
Cooling Temperature Range		*F	-20 - 122			Indoor Fan Type	Centrifugal
Heating Temperature Range		*F	-22 - 86			Multi Fan Speeds	4 Speeds
Refrigerant Type			R32			Indoor Unit Display	Yes
INDOOR UNIT			FLR09HP230V1R32AH			Auxiliary Electrical Heater	No
Air flow (Min-Max)		CFM	247 - 412			Ventilation (Outdoor Air)	No
Sound Pressure Level (Min - Max)		dB(A)	26 - 38			REMOTE CONTROLLER FUNCTIONS	
Dehumidification		pt/hr	1.69			Auto Mode	Yes
External Dimensions (L x D x H)		in	34-1/4 x 9-1/4 x 26-3/16			Auto Fan	Yes
Package Dimension (L x W x H)		in	40-11/16 x 30-5/16 x 11-13/16			Auto Swing (Horizontal Auto Swing)	No
Net Weight		lbs	55.1			Auto Swing - 180° (Vertical Auto Swing)	Yes
Gross Weight		lbs	66.2			Clock	Yes
OUTDOOR UNIT			VIR09HP230V1R32AO	ENV09HP230V1R32AO	SAP09HP230V1R32AO	Dry Mode	Yes
Sound Pressure Level		dB(A)	52	52	56	Dry Anti-Mildew (X-Fan) Mode	Yes
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	Energy Saving Mode	Yes
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	Dirty Filter Alert	No
Net Weight		lbs	70.6	70.6	78.3	Fan Speed Control (7 Speeds)	Yes
Gross Weight		lbs	76.1	76.1	84.9	I Feel Function	Yes
REFRIGERANT PIPING						Privacy Lock	Yes
Refrigerant Charge - R32		oz	30	30	35.3	Quiet Mode	Yes
Additional Charge		oz/ft	0.2	0.2	0.2	Room Temperature Display	No
Line Set Sized by Indoor Unit (Liquid - Gas)		in	1/4 - 3/8			Sleep Mode	Yes
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	3 Sleep Mode Options	Yes
Pre-Charge Length		ft	25			Timer Mode	Yes
Pipe Length (Min - Max)		ft	10 - 66	10 - 66	10 - 131	Turbo Mode	Yes
Max. Pipe Elevation		ft	40	40	82	Display On/Off Control	Yes
ELECTRICAL						Freeze Guard Mode	Yes
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)			Power Failure Mode	Yes
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				

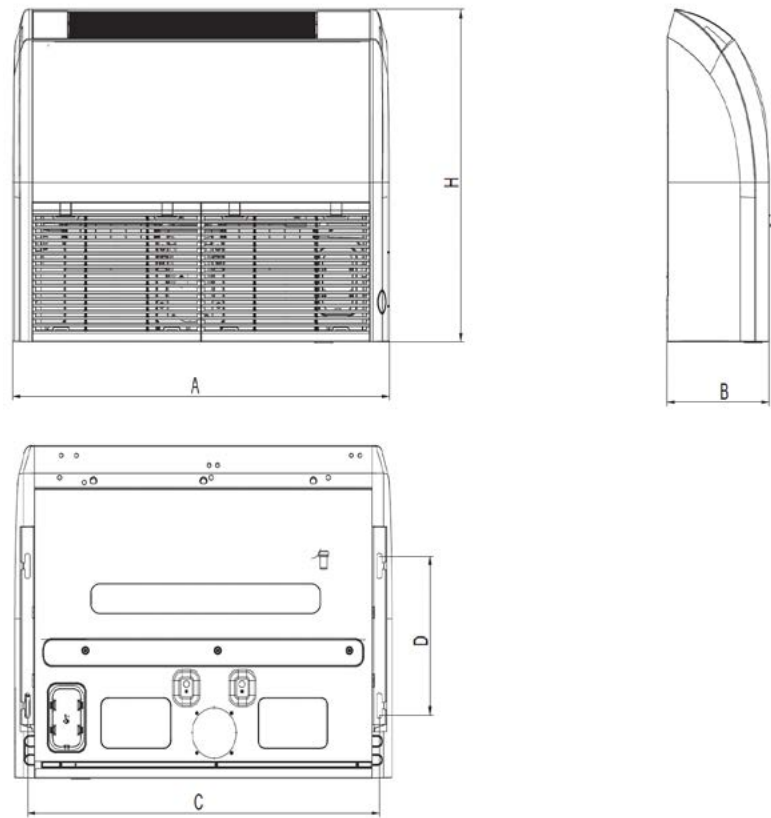
NOTE:
Please check the Multi-zone submittals for Non-Ducted or Mixed Performance table.

DIMENSIONS

INDOOR UNIT

Unit: inch

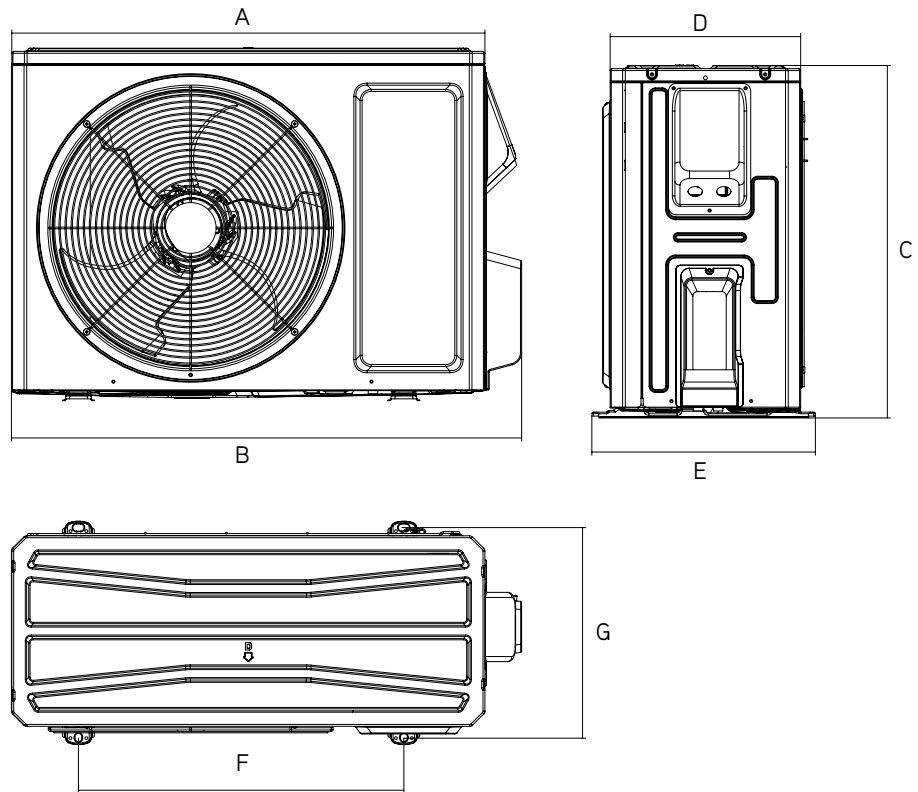
FLR09HP230V1R32AH	
DIMENSIONS	
A	34 1/4
B	9 1/4
C	31 31/32
D	12 33/64
H	26 3/16



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



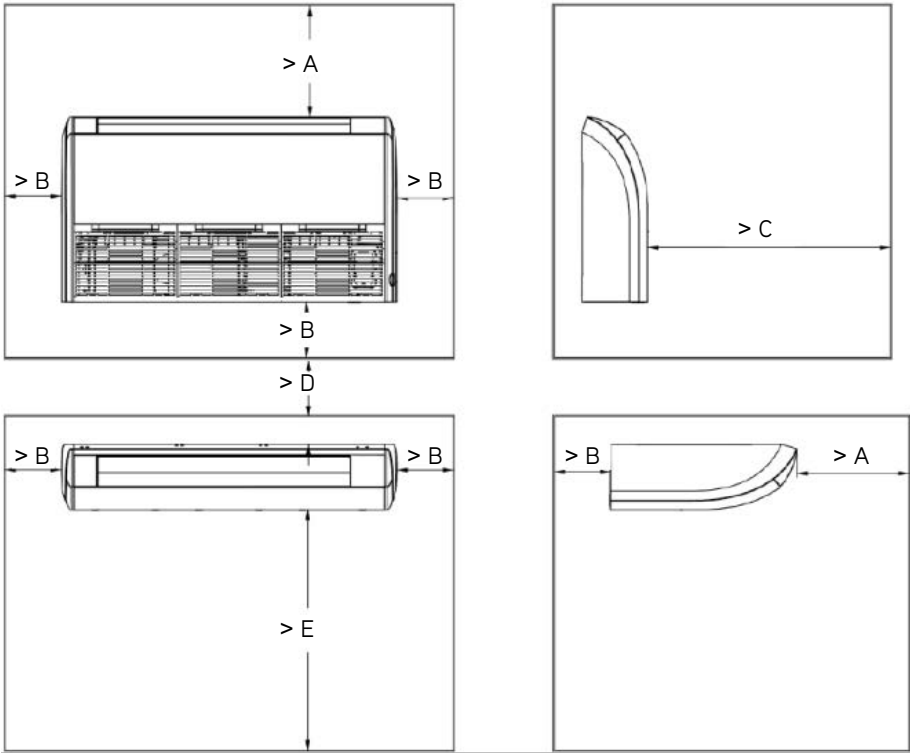
CLEARANCES

INDOOR UNIT

Minimum clearance

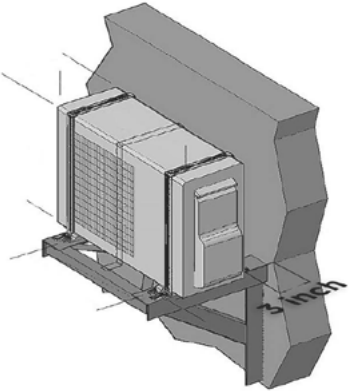
DIMENSIONS	
A	60
B	12
C	39
D	6
E	90

Unit: inch

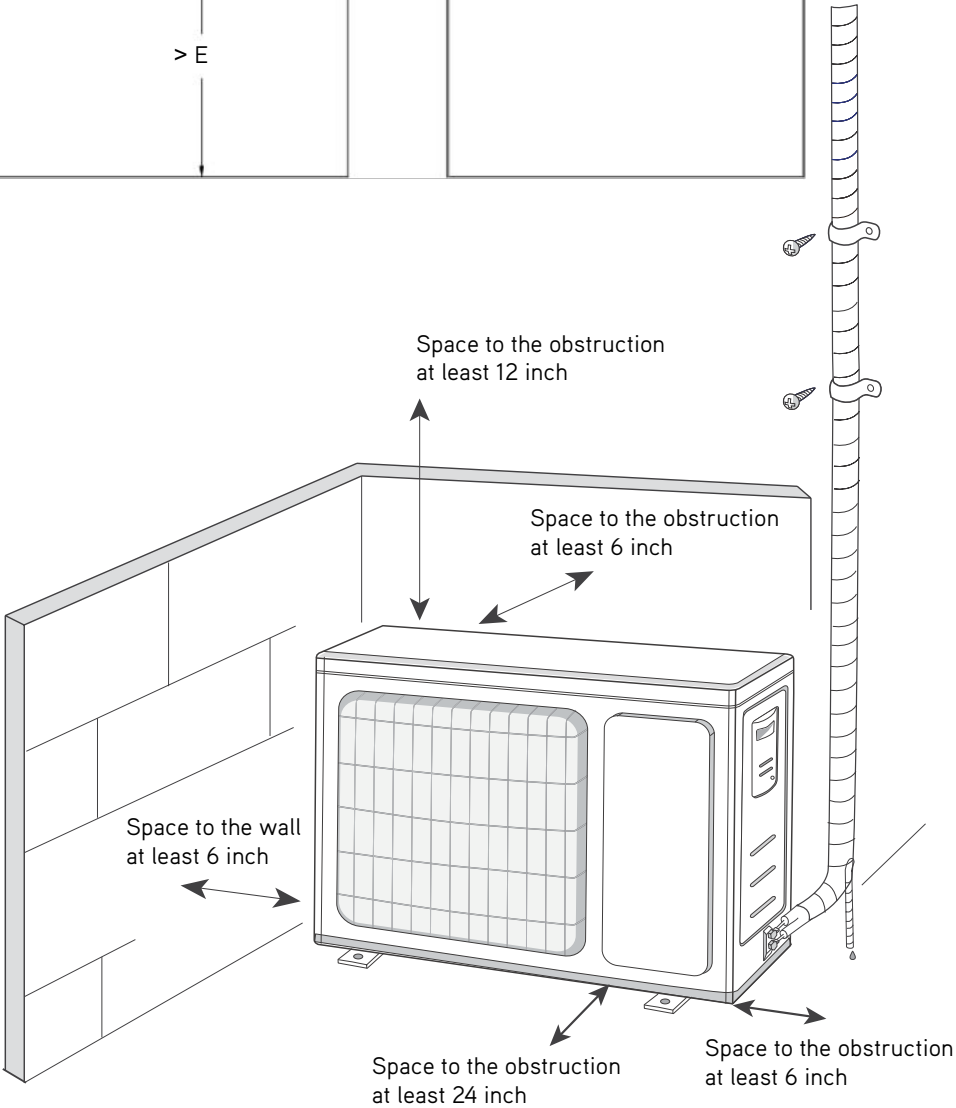


OUTDOOR UNIT

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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