

SUBMITTAL DATA

FLR18HP230V1R32AH
18000 BTU/H Floor Ceiling Heat Pump System

Job Name	Location	Date
Purchaser	Engineer	
Submmited to	For	
Unit Designation	Schedule No.	
  		
YBE1FB5F	FLR18HP230V1R32AH	XE72-44/E

GENERAL FEATURES

- AHRI Certificate: [215417460 \(Vireo R32\)](#), [215417453 \(Envo R32\)](#), [216019855 \(Sapphire R32\)](#)
- 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			FLR18HP230V1R32AH			Inverter Type	G20
Outdoor Model			VIR18HP230V1R32AO	ENV18HP230V1R32AO	SAP18HP230V1R32AO	Ultra Low Frequency Torque Control	Yes
SYSTEM PERFORMANCE						Power Factor Correction	Yes
Cooling Capacity	Min - Max	Btu/h	8,129 - 23,460	8,129 - 23,460	9,800 - 24,096	Compressor Type - Inverter	High Efficiency Rotary
	Capacity @95°F	Btu/h	18,000	18,000	18,000	Basepan With Electric Heater	Yes
Heating Capacity	Min - Max	Btu/h	8,371 - 21,496	8,371 - 21,496	9,089 - 27,688	Indoor & Outdoor Fin Coating (Blue Fin)	Yes
	Capacity @47°F	Btu/h	18,000	18,000	18,000	Intelligent Defrosting	Yes
	Capacity @17°F	Btu/h	14,700	14,700	14,600	Intelligent Preheating	Yes
	Capacity @5°F	Btu/h	15,800	15,800	17,500	Low Voltage Startup	Yes
SEER2			21.5	21.5	21.5	Memory/Power Failure Recovery	Yes
EER2			12.8	12.8	11.25	Self Diagnosis	Yes
HSPF2			9.5	9.5	9.2	Wired Controller Interface	Yes
COP @5°F			1.90	1.90	1.80	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			FLR18HP230V1R32AH			Auxiliary Electrical Heater	No
Air flow (Min-Max)		CFM	241 - 400			Ventilation (Outdoor Air)	No
Sound Pressure Level (Min - Max)		dB(A)	26 - 38			REMOTE CONTROLLER FUNCTIONS	
Dehumidification		pt/hr	3.80			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	56.2			Auto Swing - 180° (Vertical Auto Swing)	Yes
Gross Weight		lbs	67.3			Clock	Yes
OUTDOOR UNIT			VIR18HP230V1R32AO	ENV18HP230V1R32AO	SAP18HP230V1R32AO	Dry Mode	Yes
Sound Pressure Level		dB(A)	59	59	59	Dry Anti-Mildew (X-Fan) Mode	Yes
External Dimensions (L x D x H)		in	37-23/32 x 15-53/64 x 25-63/64	37-23/32 x 15-53/64 x 25-63/64	37-23/32 x 15-53/64 x 25-63/64	Energy Saving Mode	Yes
Package Dimension (L x W x H)		in	40-5/8 x 17-61/64 x 29-1/64	40-5/8 x 17-61/64 x 29-1/64	40-5/8 x 17-61/64 x 29-1/64	Dirty Filter Alert	No
Net Weight		lbs	94.8	94.8	94.8	Fan Speed Control (7 Speeds)	Yes
Gross Weight		lbs	104.7	104.7	104.7	I Feel Function	Yes
REFRIGERANT PIPING						Privacy Lock	Yes
Refrigerant Charge - R32		oz	40.6	40.6	47.6	Quiet Mode	Yes
Additional Charge		oz/ft	0.2	0.2	0.4	Room Temperature Display	No
Line Set Sized by Indoor Unit (Liquid - Gas)		in	1/4 - 1/2			Sleep Mode	Yes
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	3 Sleep Mode Options	Yes
Pre-Charge Length		ft	25			Timer Mode	Yes
Pipe Length (Min - Max)		ft	10 - 131	10 - 131	10 - 131	Turbo Mode	Yes
Max. Pipe Elevation		ft	82	82	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	11.5	5.9	12.5		
Rated Current - Heating		A	11.5	7.8	16		
MCA		A	16	11	20		
MOCP		A	20	15	25		
Suggested Breaker Size		A	20	15	20		
Main Power Wire Size		AWG	Per Local Code				
Interconnecting Wire Size		AWG	14 / 4				

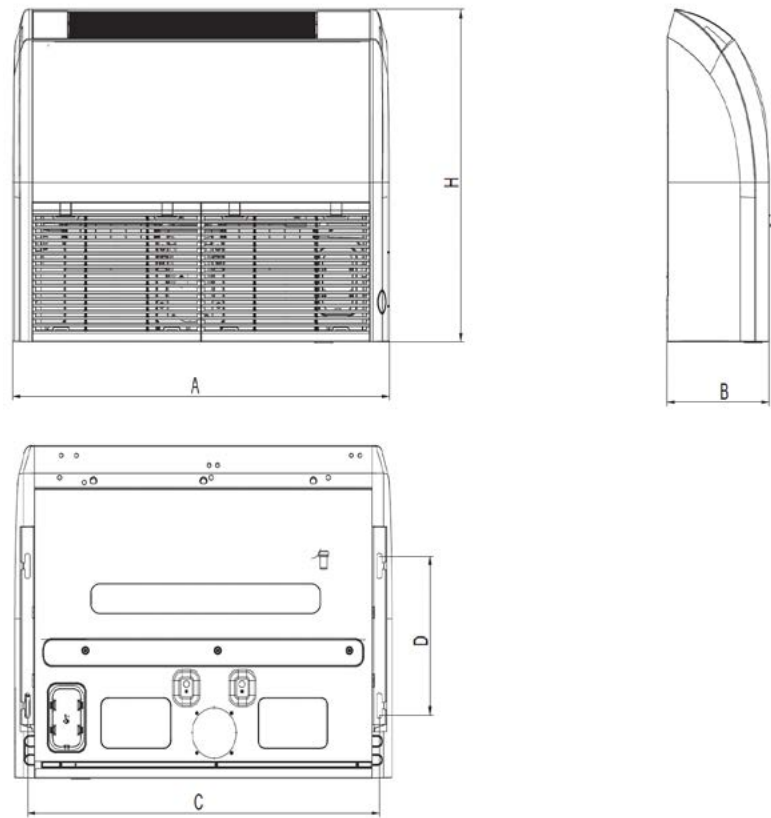
NOTE:
Please check the Multi-zone submittals for Non-Ducted or Mixed Performance table.

DIMENSIONS

INDOOR UNIT

Unit: inch

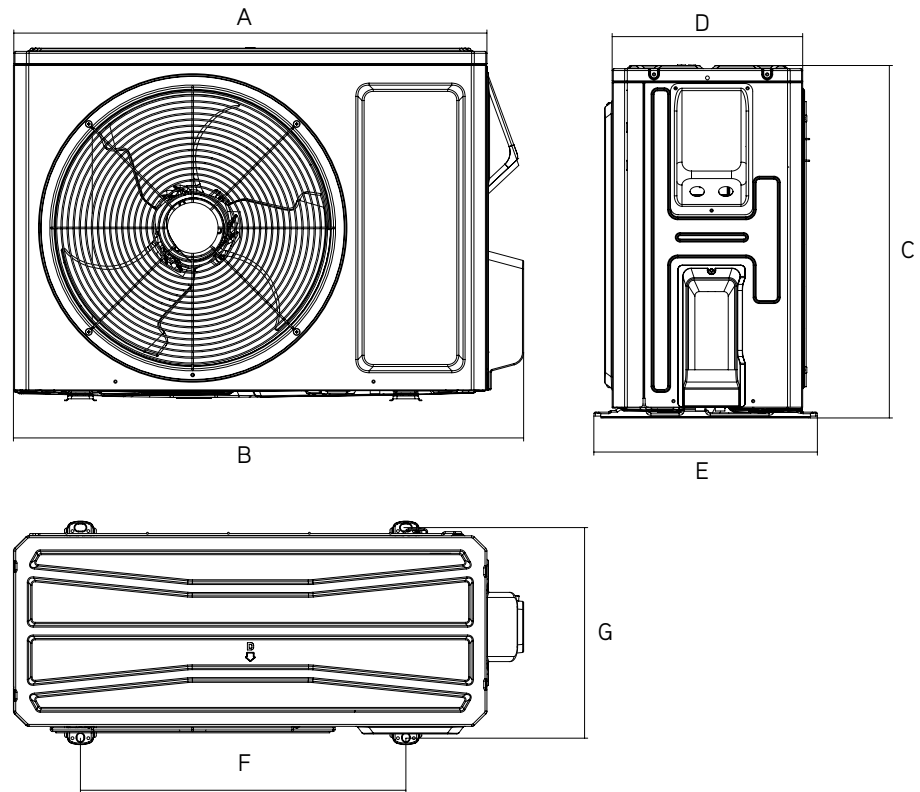
FLR18HP230V1R32AH	
DIMENSIONS	
A	34 1/4
B	9 1/4
C	31 31/32
D	12 33/64
H	26 3/16



OUTDOOR UNIT

Unit: inch

VIR18HP230V1R32AO	
DIMENSIONS	
A	35
B	37 23/32
C	25 63/64
D	13 25/64
E	15 53/64
F	22 7/16
G	14 39/64
ENV18HP230V1R32AO	
DIMENSIONS	
A	35
B	37 23/32
C	25 63/64
D	13 25/64
E	15 53/64
F	22 7/16
G	14 39/64
SAP18HP230V1R32AO	
DIMENSIONS	
A	35
B	37 23/32
C	25 63/64
D	13 25/64
E	15 53/64
F	22 7/16
G	14 39/64



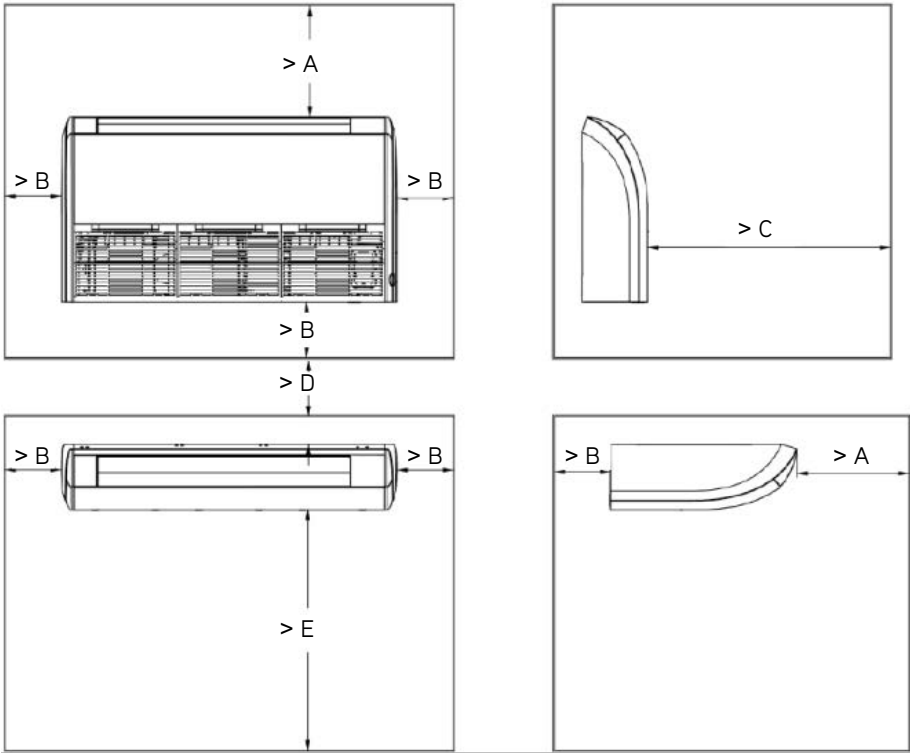
CLEARANCES

INDOOR UNIT

Minimum clearance

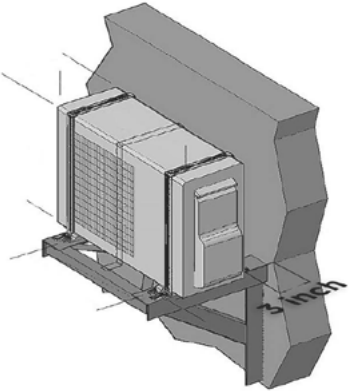
DIMENSIONS	
A	60
B	12
C	39
D	6
E	90

Unit: inch

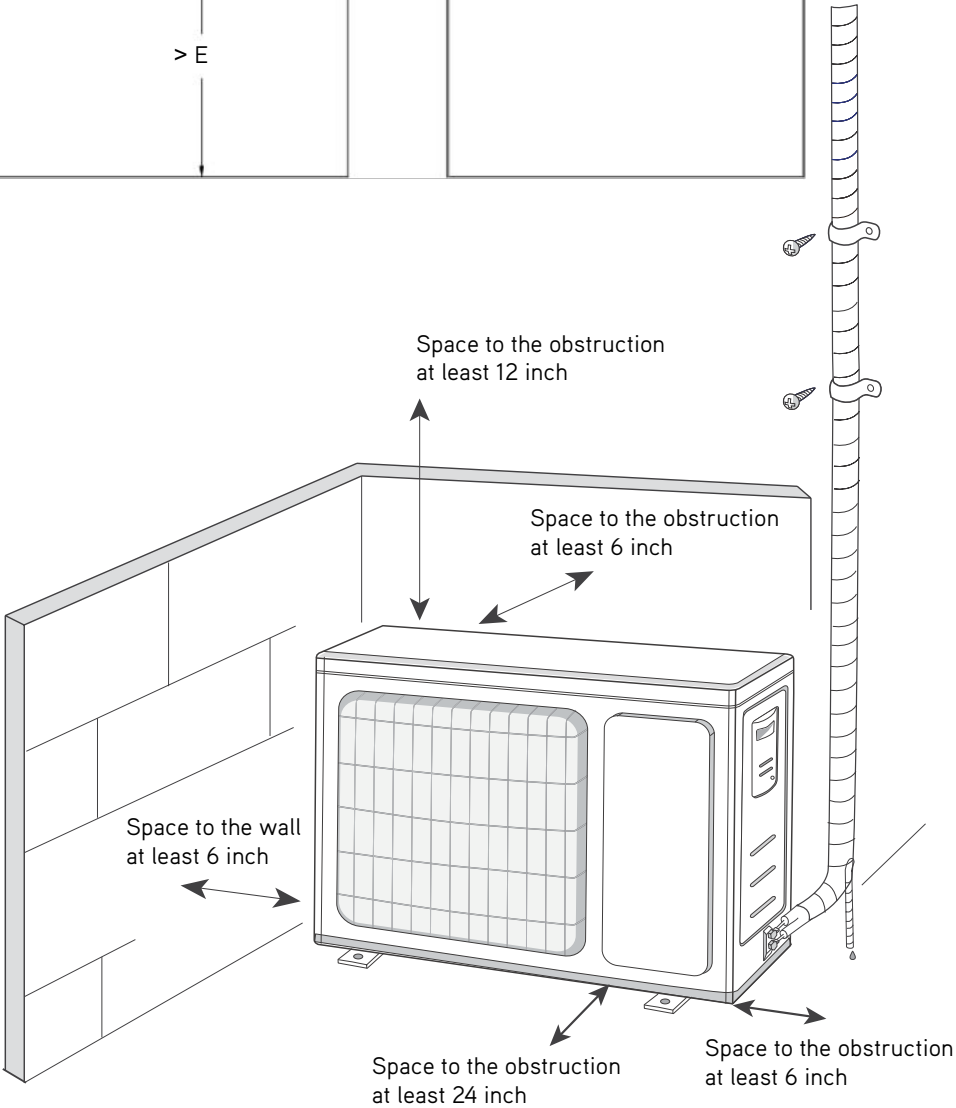


OUTDOOR UNIT

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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