





## SUBMITTAL DATA

3VIR18HP230V1AH / 3VIR18HP230V1BO  
18000 BTU/H Wall Mounted Heat Pump System

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

			
YAP1F7F	3VIR18HP230V1AH	3VIR18VHP230V1BO	XE71 (Optional)

### GENERAL FEATURES

- AHRI Certificate: 210665999
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Auto-Clean Function on Indoor Unit
- Wireless Remote with LCD Display
- Wired Controller Options
- Wi-Fi Included (Factory Installed)
- Low Ambient Cooling down to -20°F (Range -20°F to 122°F)
- Low Ambient Heating down to -22°F (Range -22°F to 86°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Color Fin - 500 Hrs Salt Spray Tested

## SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

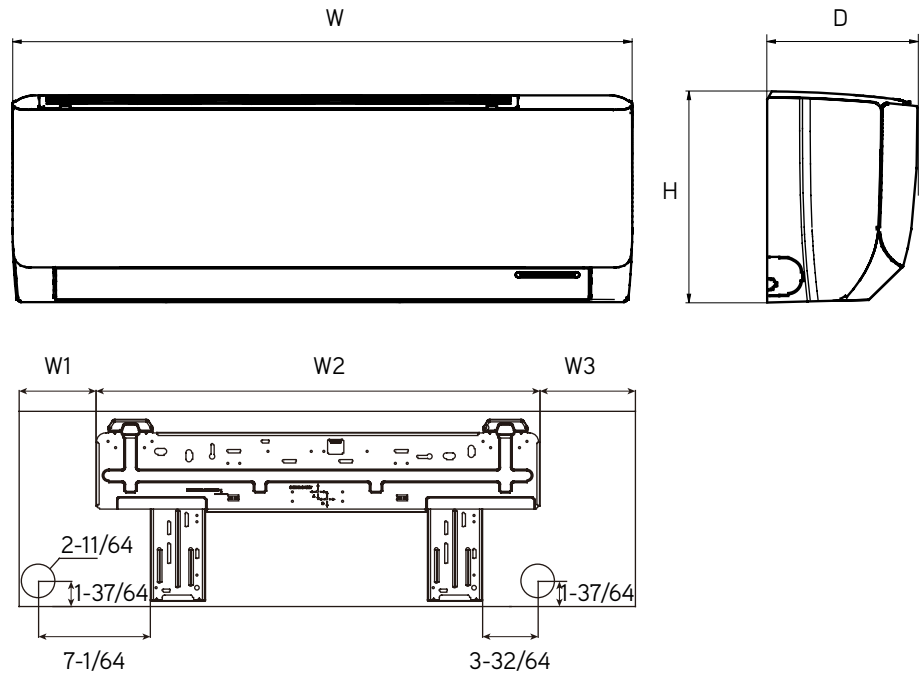
SPECIFICATIONS		3VIR18HP230V1AH / 3VIR18HP230V1BO		FEATURES & FUNCTIONS SUMMARY		3VIR18HP230V1AH / 3VIR18HP230V1BO	
System Type		HEAT PUMP					
<b>SYSTEM PERFORMANCE</b>				<b>SYSTEM FEATURES</b>			
Cooling	Min - Max	Btu/h	5118 - 21154	Inverter Type	G10		
	Capacity @95°F	Btu/h	18000	Ultra Low Frequency Torque Control	Yes		
Heating	Min - Max	Btu/h	5118 - 21154	Power Factor Correction	Yes		
	Capacity @5°F	Btu/h		Compressor Type - Inverter	High Efficiency Rotary		
	Capacity @17°F	Btu/h	11000	Basepan With Electric Heater	Yes		
	Capacity @47°F	W	18000	Indoor & Outdoor Fin Coating (Blue Fin)	Yes		
SEER2			23.5	Intelligent Defrosting	Yes		
EER2			13.0	Intelligent Preheating	Yes		
HSPF2			9.0	Low Voltage Startup	Yes		
COP @5°F				Memory/Power Failure Recovery	Yes		
COP @47°F			3.8	Self Diagnosis	Yes		
Cooling Temperature Range		°F	-20 - 122	Wired Controller Interface (XE71 or XK76 optional)	Yes		
Heating Temperature Range		°F	-22 - 86	WiFi Included	Yes		
Refrigerant Type			R410A	NEW! Easy Service Access	Yes		
<b>INDOOR UNIT</b>		<b>3VIR18HP230V1AH</b>		Indoor Fan Type	Crossflow		
Air flow (Min-Max)		CFM	283 - 618	Multi Fan Speeds	7 Speeds		
Sound Pressure Level (Min - Max)		dB(A)	29 - 49	Indoor Unit Display	Yes		
Dehumidification		pt/hr	3.80	Auxiliary Electrical Heater	No		
External Dimensions (WxHxD)		in	38-11/16 × 12-1/4 × 8-3/4	Ventilation (Outdoor Air)	No		
Package Dimension (W x H x D)		in	41-1/8 × 15-3/16 × 11-3/4	<b>REMOTE CONTROLLER FUNCTIONS</b>			
Net Weight		lbs	28.7	NEW! Auto Clean	Yes		
Gross Weight		lbs	35.3	Auto Mode	Yes		
<b>OUTDOOR UNIT</b>		<b>3VIR18HP230V1BO</b>		Auto Fan	Yes		
Compressor Type			GREE G-10 / 2 - STAGE INVERTER	Auto Swing (Horizontal Auto Swing)	Yes		
Sound Pressure Level		dB(A)	59	Auto Swing - 180° (Vertical Auto Swing)	Yes		
External Dimensions (WxHxD)		in	37-3/4 × 26 × 15-7/8	Clock	Yes		
Package Dimension (W x H x D)		in	40-5/8 × 29-1/16 × 18	Dry Mode	Yes		
Net Weight		lbs	98.1	Dry Anti-Mildew (X-Fan) Mode	Yes		
Gross Weight		lbs	106.9	Energy Saving Mode	Yes		
<b>REFRIGERANT PIPING</b>				Dirty Filter Alert	No		
Refrigerant Charge - R410A		oz	54.7	Fan Speed Control (7 Speeds)	Yes		
Additional Charge		oz/ft	0.5	I Feel Function	Yes		
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 5/8	Privacy Lock	Yes		
Pre-Charge Length		ft	25	Quiet Mode	Yes		
Pipe Length (Min - Max)		ft	10 - 82	Room Temperature Display	No		
Max. Pipe Elevation		ft	33	Sleep Mode	Yes		
<b>ELECTRICAL</b>				3 Sleep Mode Options	Yes		
Power Supply			208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)	Timer Mode	Yes		
Voltage Range (Min - Max)		VAC	187 - 253	Turbo Mode	Yes		
Rated Current - Cooling		A	11.5	Display On/Off Control	Yes		
Rated Current - Heating		A	11.5	Freeze Guard Mode	Yes		
MCA		A	14	Power Failure Mode	Yes		
MOCP		A	20				
Suggested Breaker Size		A	15				
Main Power Wire Size		AWG	Per Local Code				
Interconnecting Wire Size		AWG	14 / 4				

## DIMENSIONS

### INDOOR UNIT

Unit: inch

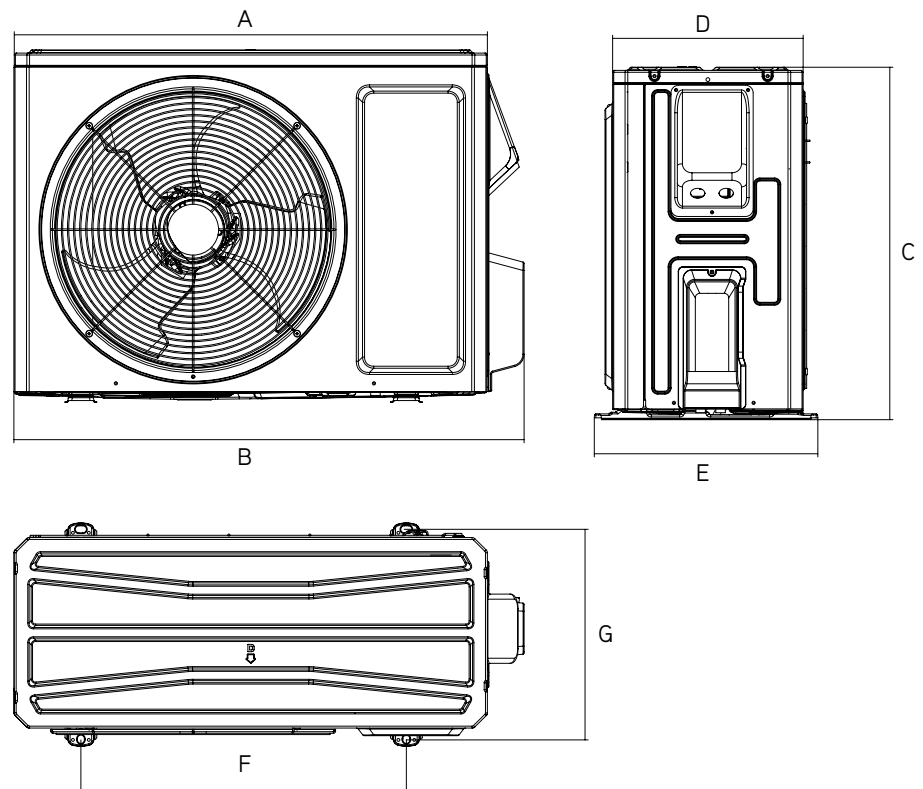
3VIR18HP230V1AH	
DIMENSIONS	
W	38-11/16
H	12-1/4
D	8-3/4
W1	4-53/64
W2	27-55/64
W3	5-63/64



### OUTDOOR UNIT

Unit: inch

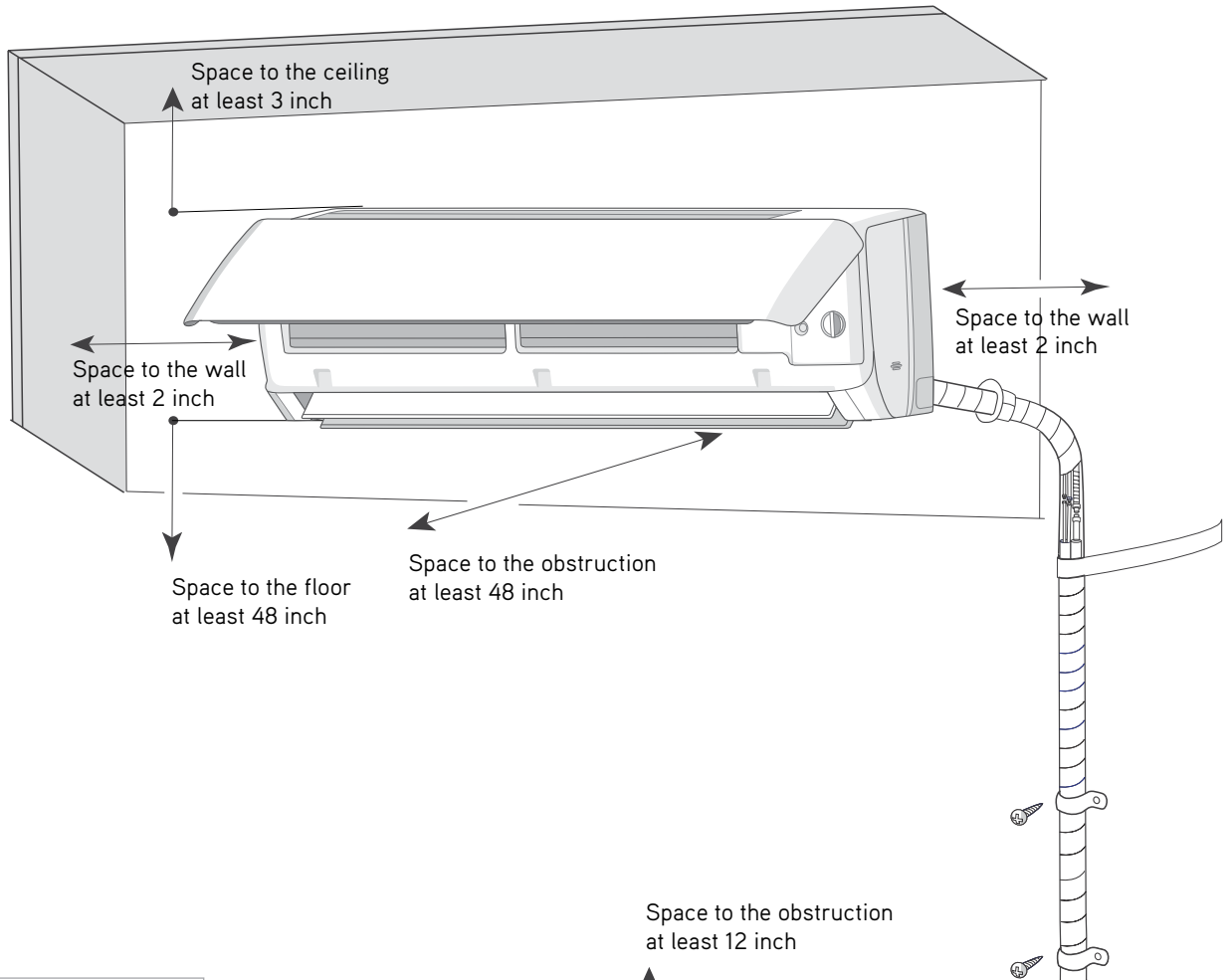
3VIR18HP230V1BO	
DIMENSIONS	
A	35
B	37-3/4
C	26
D	13-25/64
E	15-7/8
F	22-7/16
G	14-39/64



## CLEARANCES

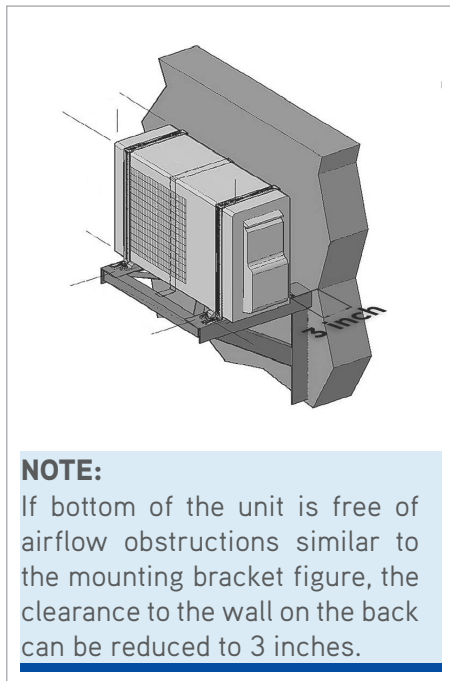
### INDOOR UNIT

Minimum clearance



### 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.

