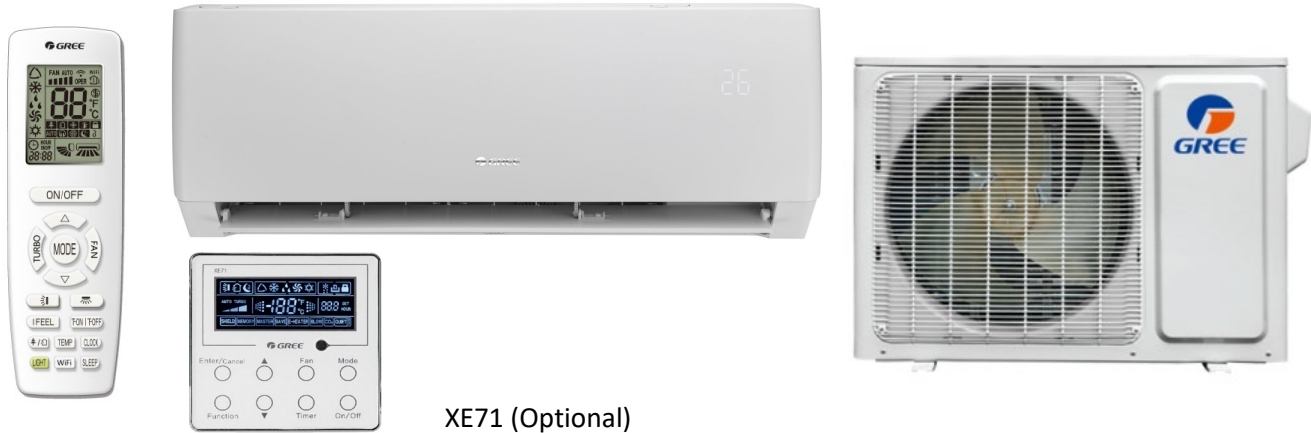




SUBMITTAL DATA: 3VIR09HP230V1A 9000 BTU/H Wall Mounted Heat Pump System		
Job Name	Location	Date
Purchaser	Engineer	
Submitted To	For	
Unit Designation	Schedule No.	

<b>YAP1F7F</b>	<b>3VIR09HP230V1AH</b>	<b>3VIR09HP230V1AO</b>
----------------	------------------------	------------------------



XE71 (Optional)

**GENERAL FEATURES**

- AHRI Certificate: [206839101](#)**
- 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 Fin) 500 Hrs Salt Spray Tested**

**Limited Warranty: 5 Year Parts, 7 Years Compressor - Residential & Commercial**



## SPECIFICATIONS

## 3VIR09HP230V1AO / 3VIR09HP230V1AH

System Type		<b>HEAT PUMP</b>	
<b>SYSTEM PERFORMANCE</b>			
Cooling	Rated Capacity @ 95°F	Btu/h	9100
	Min-Max Capacity	Btu/h	2457-10748
	Rated Power Input (Min - Max)	W	100-1030
Heating	Rated Capacity @ 47°F	Btu/h	10000
	Rated Capacity @ 17°F	Btu/h	7300
	Min-Max Capacity	Btu/h	2593-13307
	Rated Power Input (Min - Max)	W	860
SEER / EER		25.3 / 14.7	
HSPF / COP		11.2 / 3.75	
Energy Star®		YES	
Cooling Temperature Range		°F	-20 - 122
Heating Temperature Range		°F	-22 - 86
<b>INDOOR UNIT</b>		<b>3VIR09HP230V1AH</b>	
Fan Motor Output Power		W	15
Fan Motor FLA		amps	0.22
Air Flow (Min - Max)		CFM	194 - 353
Sound Pressure Level (Cooling / Heating)		dB(A)	25 - 40
Dehumidification		pt/hr	1.7
Condensate Drain Size (OD)		in	5 / 8
Unit Dimension (WxHxD)		in	32 1/2 X 11 1/2 X 7 3/4
Package Dimension (WxHxD)		in	34 1/4 X 13 3/4 X 10 1/8
Weight (Net / Gross)		lbs	21 / 25.4
<b>OUTDOOR UNIT</b>		<b>3VIR09HP230V1AO</b>	
Compressor Type		G-10 / 1-Stage Inverter	
Compressor RLA		amps	6
Fan Motor Output Power		W	30
Fan Motor RLA		amps	0.4
Sound Pressure Level (Cooling / Heating)		dB(A)	52
Unit Dimension (WxHxD)		in	33 3/8 X 23 1/2 X 12 5/8
Package Dimension (WxHxD)		in	34 1/2 X 24 7/8 X 14 1/4
Weight (Net / Gross)		lbs	73.9/80.5
Refrigerant Charge - R410A		oz	36.3
Coil Type		Aluminum Fin / Copper Tube	
<b>REFRIGERANT PIPING</b>			
Line Set Size (Liquid - Gas)		in	1/4 - 3/8
Pre-Charge Lengh		ft	25
Pipe Length (Min - Max)		ft	10 / 49
Max. Pipe Elevation		ft	33
<b>ELECTRICAL</b>			
Power Supply (Voltage Operating Range)		208-230V / 1Ph / 60Hz	
Rated Current (Cooling / Heating)		amps	3 / 7.2
MCA / MOCP		amps	9 / 15
Main Power Wire Size		AWG	Size Per Local Code
Interconnecting Wire Size		AWG	14 / 4
<b>LIMITED WARRANTY</b>		<b>5 Years Parts, 7 Years Compressor - Residential &amp; Commercial</b>	

**EXTENDED RATINGS**

**3VIR09HP230V1A0 / 3VIR09HP230V1AH**

COOLING PERFORMANCE						HEATING PERFORMANCE				
Outdoor Ambient Temperature (DB)		Return Air Temperature				Outdoor Ambient Temperature (DB)		Return Air Temperature		
		80°F (DB)						70°F (DB)		
		TC (Btu/h)	SHR	EER	Power Input (W)			TC (Btu/h)	COP	Power Input (W)
<b>MAX OUTPUT</b>	-20°F	4985	3813	9.03	552	<b>MAX OUTPUT</b>	-22°F	4300	1.29	980
	-15°F	5176	3976	9.14	566		-20°F	5000	1.41	1040
	-10°F	5386	4121	9.30	579		-15°F	5800	1.55	1100
	-5°F	5593	4270	9.35	598		-10°F	6600	1.69	1148
	0°F	5800	4480	9.48	612		-5°F	7480	1.87	1171
	5°F	5992	4644	9.59	625		0°F	8360	2.05	1195
	10°F	6184	4784	9.51	650		5°F	8910	2.14	1219
	15°F	6280	4881	9.47	663		10°F	9350	2.20	1244
	20°F	6568	5120	9.55	688		15°F	10780	2.49	1270
	25°F	6760	5262	9.48	713		17°F	11660	2.64	1296
	30°F	7144	5577	9.63	742		20°F	11880	2.63	1322
	35°F	7528	5896	9.53	790		25°F	12320	2.68	1349
	40°F	7720	6040	9.47	815		30°F	11880	2.63	1322
	45°F	8008	6256	9.11	879		35°F	12980	2.93	1297
	50°F	8296	6508	8.60	965		40°F	13860	3.07	1323
	55°F	8776	6910	8.72	1006		45°F	14800	3.21	1350
	60°F	9160	7202	8.57	1069		47°F	15400	3.21	1404
	65°F	9832	7756	8.68	1133		50°F	13200	2.87	1348
	70°F	10216	8096	8.72	1171		55°F	14080	3.00	1375
	75°F	10696	8466	8.94	1197		60°F	12100	2.69	1320
	80°F	11080	8862	9.16	1209		65°F	11220	2.44	1346
	85°F	11764	9110	9.53	1235		70°F	11550	2.44	1387
	90°F	11588	8713	9.29	1247		75°F	11880	2.43	1432
	95°F	11600	8488	9.21	1260		80°F	12030	2.41	1460
	100°F	10520	8205	8.03	1310		86°F	12280	2.40	1500
	105°F	9940	7882	7.30	1361					
110°F	9556	7582	6.83	1400						
115°F	9264	7501	6.39	1450						
120°F	8204	6708	5.61	1463						
122°F	8086	6555	5.48	1476						

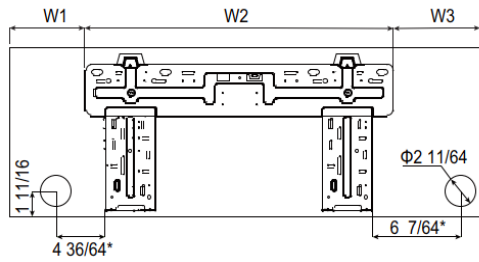
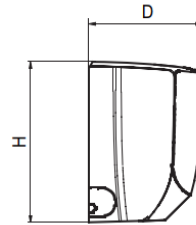
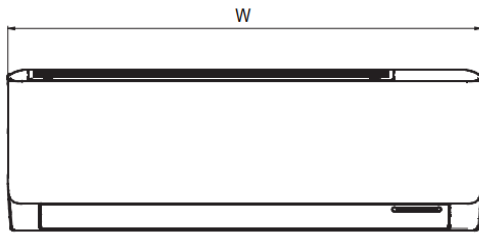
**LEGEND:** W - Watts  
 DB - Dry Bulb  
 TC - Total Capacity  
 SHR - Sensible Heat Ratio  
 COP - Coefficient of Performance

## FEATURES & FUNCTIONS SUMMARY

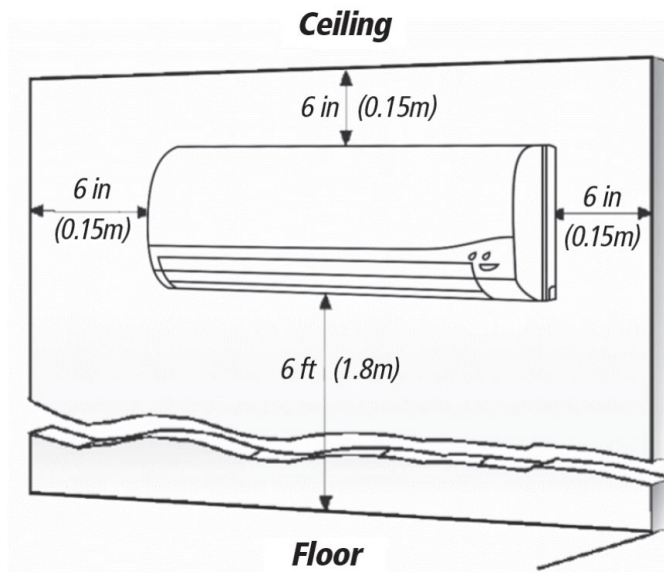
3VIR09HP230V1AO / 3VIR09HP230V1AH

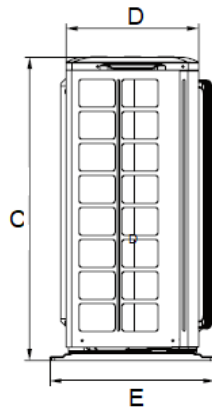
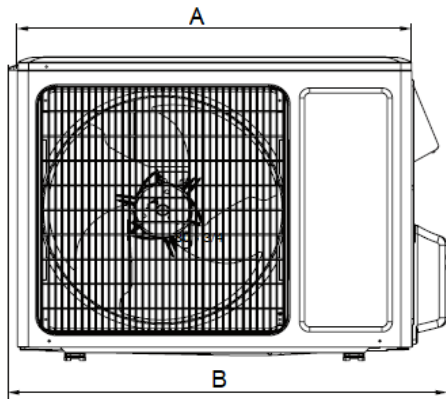
SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type - Inverter	High Efficiency Rotary
Basepan With Electric Heater	Yes
Indoor & Outdoor Fin Coating (Blue Fin)	Yes
Intelligent Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface (XE71 or XK76 optional)	Yes
WiFi Included	Yes
<b>NEW! Easy Service Access</b>	Yes
Indoor Fan Type	Crossflow
Multi Fan Speeds	7 Speeds
Indoor Unit Display	Yes
Auxiliary Electrical Heater	No
Ventilation (Outdoor Air)	No

REMOTE CONTROLLER FUNCTIONS	
<b>NEW! Auto Clean</b>	Yes
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	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

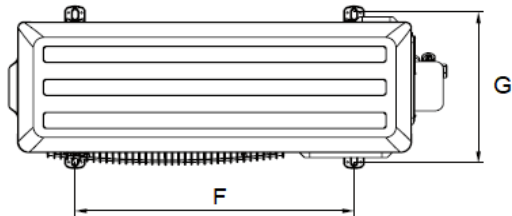


Dimensions	
W	32 1/2
D	7 3/4
H	11 1/2
W1	4 7/16
W2	21 3/8
W3	6 11/16

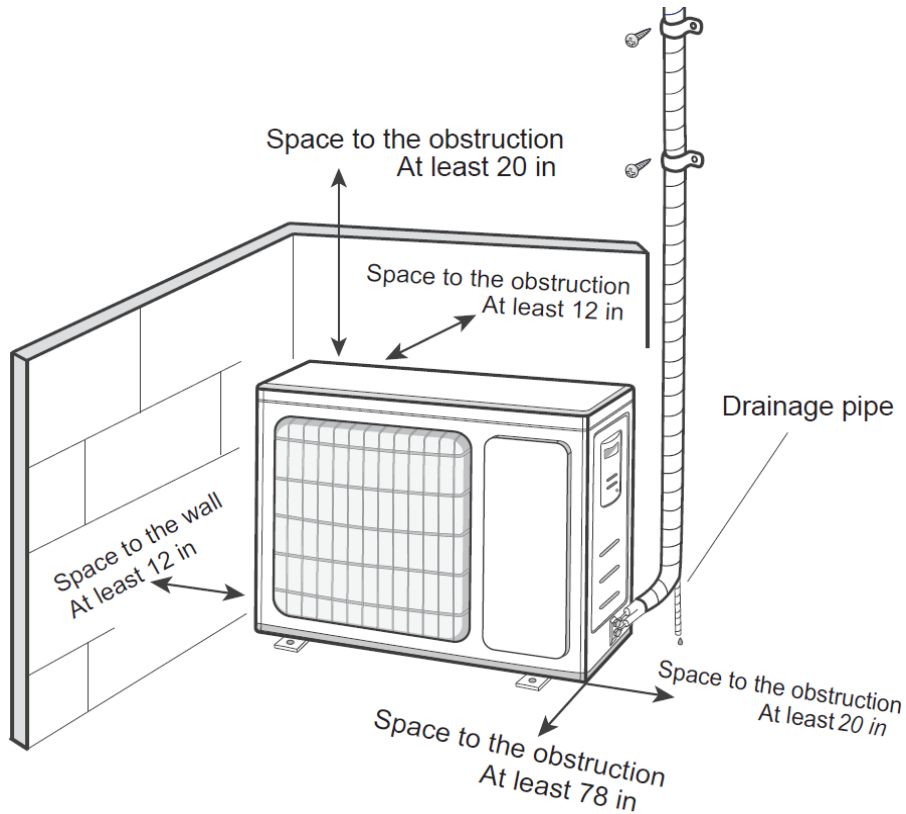




Dimensions	
A	30 3/4
B	33 3/8
C	23 1/2
D	10 1/8
E	12 5/8
F	21 5/16
G	11 5/16



Unit:inch



Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or modify specifications or designs without notice or without incurring obligations. All Rights reserved.