

SUBMITTAL DATA

SAP12HP230V1AH / SAP12HP230V1AO
9000 BTU/H Wall Mounted Heat Pump System

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



YAG1FB2F



SAP12HP230V1AH



SAP12HP230V1AO



XE71 (Optional)

GENERAL FEATURES

- AHRI Certificate: [10149903](#)
- High Efficiency DC Inverter Technology
- Elegant 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 0°F (Range 0°F to 129°F)
- Low Ambient Heating down to -22°F (Range -22°F to 75°F)
- Coil (Outdoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coil Coating (Gold Colored Fin - 1500Hr Salt Spray Rating)
- Coil (Indoor) Copper Tube/Aluminum Fin with Anti-Corrosion Coil Coating (Blue Colored Fin - 500Hr Salt Spray Rating)

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SPECIFICATIONS SAP12HP230V1AH / SAP12HP230V1AO

System Type		HEAT PUMP	
SYSTEM PERFORMANCE			
Cooling	Min - Max	Btu/h	2900 - 15354
	Capacity @95°F	Btu/h	12000
Heating	Min - Max	Btu/h	3071 - 18766
	Capacity @5°F	Btu/h	
	Capacity @17°F	Btu/h	8100
	Capacity @47°F	Btu/h	12200
SEER2			24.0
EER2			14.0
HSPF2			8.5
COP @5°F			
COP @47°F			3.8
Cooling Temperature Range		°F	0 - 129
Heating Temperature Range		°F	-22 - 75
Refrigerant Type			R410A
INDOOR UNIT		SAP12HP230V1AH	
Air flow (Min-Max)		CFM	235 - 500
Sound Pressure Level (Min - Max)		dB(A)	22 - 49
Dehumidification		pt/hr	2.96
External Dimensions (WxHxD)		in	39-7/8 x 12-1/8 x 8-3/4
Package Dimension (W x H x D)		in	42-7/16 x 14-13/16 x 11-13/16
Net Weight		lbs	29.8
Gross Weight		lbs	36.4
OUTDOOR UNIT		SAP12HP230V1AO	
Compressor Type		GREE G-10 / 2 - STAGE INVERTER	
Sound Pressure Level		dB(A)	53
External Dimensions (WxHxD)		in	35-13/32 x 23-1/2 x 14-7/8
Package Dimension (W x H x D)		in	37-3/16 x 24-13/16 x 16-7/16
Net Weight		lbs	99.2
Gross Weight		lbs	105.8
REFRIGERANT PIPING			
Refrigerant Charge - R410A		oz	49.4
Additional Charge		oz/ft	0.2
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 1/2
Pre-Charge Length		ft	25
Pipe Length (Min - Max)		ft	10 - 98
Max. Pipe Elevation		ft	49
ELECTRICAL			
Power Supply		208-230V / 1Ph / 60Hz	
Voltage Range (Min - Max)		VAC	187 - 253
Rated Current - Cooling		A	6.5
Rated Current - Heating		A	6.9
MCA		A	9
MOCP		A	15
Suggested Breaker Size		A	15
Main Power Wire Size		AWG	Per Local Code
Interconnecting Wire Size		AWG	14 / 4

FEATURES & FUNCTIONS SUMMARY SAP12HP230V1AH / SAP12HP230V1AO

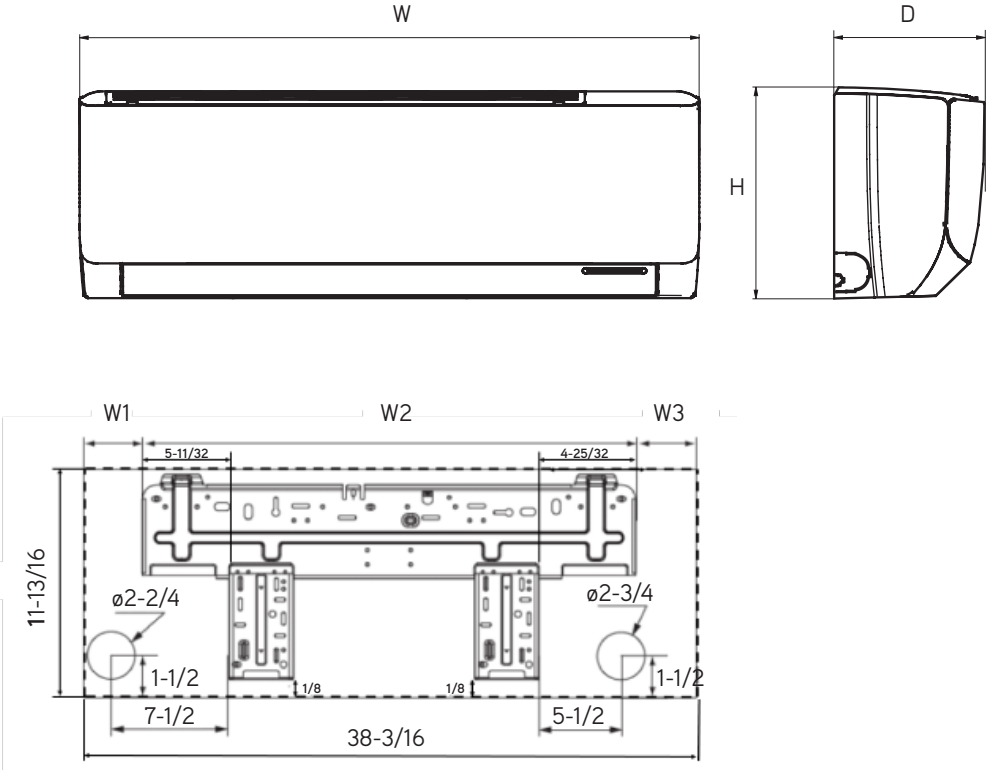
SYSTEM FEATURES	
Inverter Type	G10
Ultra Low Frequency Torque Control	Yes
Power Factor Correction	Yes
Compressor Type	High Efficiency Two Stage Rotary
Refrigerant Type	R410A
Basepan With Electric Heater	Yes
Compressor With Electric Heater	Yes
Indoor & Outdoor Fin Coating	Acrylic Resin/Anti-Corrosion
Intelligent Defrosting	Yes
Intelligent Preheating	Yes
Low Voltage Startup	Yes
Memory/Power Failure Recovery	Yes
Self Diagnosis	Yes
Wired Controller Interface	No
WiFi Included	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	
Auto Mode	Yes
Auto Fan	Yes
Auto Swing (Horizontal Auto Swing)	Yes
Auto Swing (Vertical Auto Swing)	Yes
Clock on Remote Controller	Yes
Dry Mode	Yes
Dry Anti-Mildew (X-Fan) Mode	Yes
Energy Saving Mode	No
Dirty Filter Alert	No
I Feel Function	Yes
Lock on Remote Controller	Yes
Quiet Mode	Yes
Room Temperature Display	No
Sleep Mode	Yes
4 Sleep Mode Options	Yes
Timer Mode	Yes
Turbo Mode	Yes
Display On/Off Control	Yes
Freeze Guard Mode	No

DIMENSIONS

INDOOR UNIT

Unit: inch

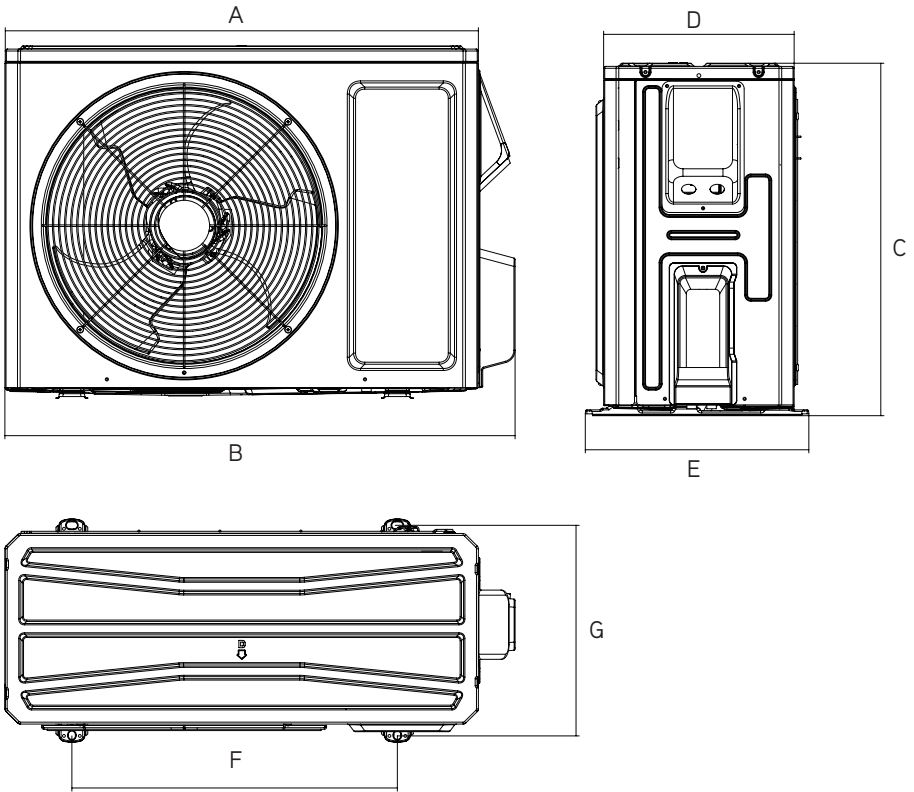
SAP12HP230V1AH	
DIMENSIONS	
W	39-7/8
H	12-1/8
D	8-3/4
W1	4
W2	27
W3	7-3/16



OUTDOOR UNIT

Unit: inch

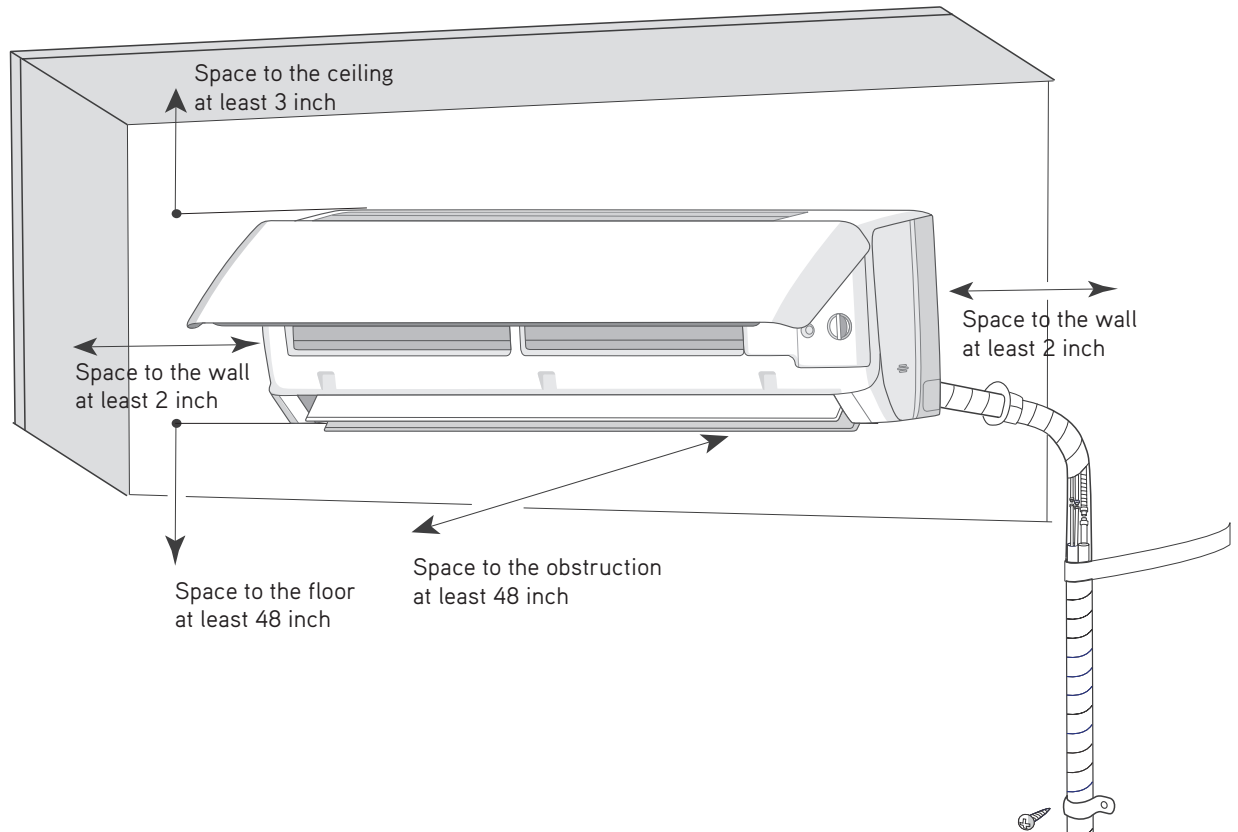
SAP12HP230V1AO	
DIMENSIONS	
A	33-1/4
B	35-13/32
C	23-1/2
D	12
E	14-7/8
F	19-1/4
G	13 1/2



CLEARANCES

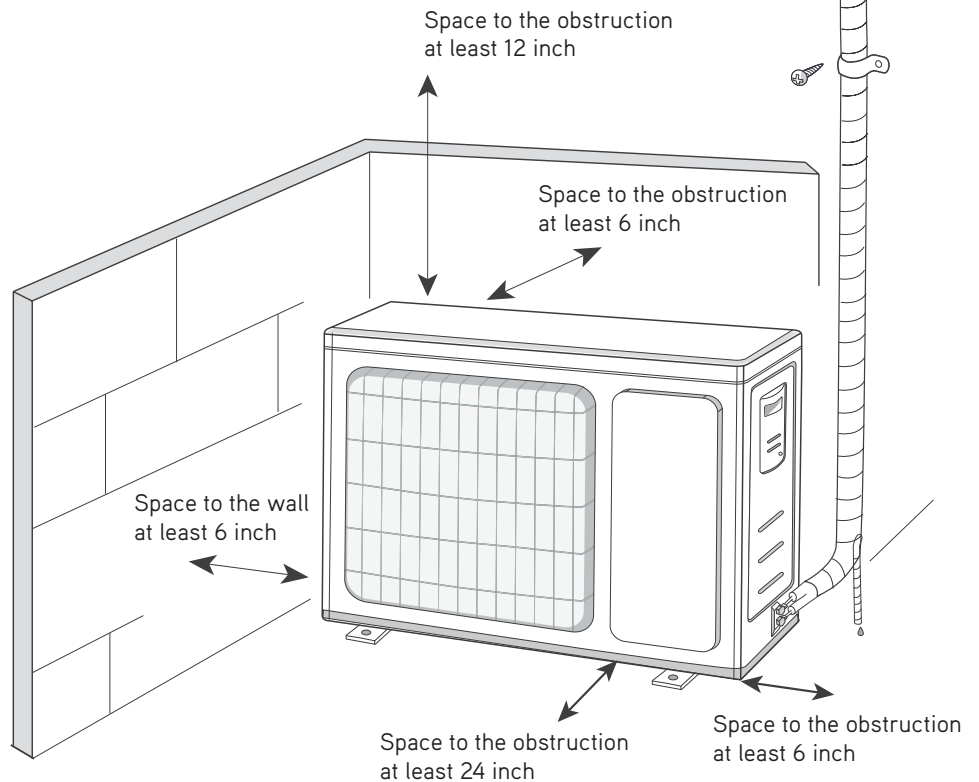
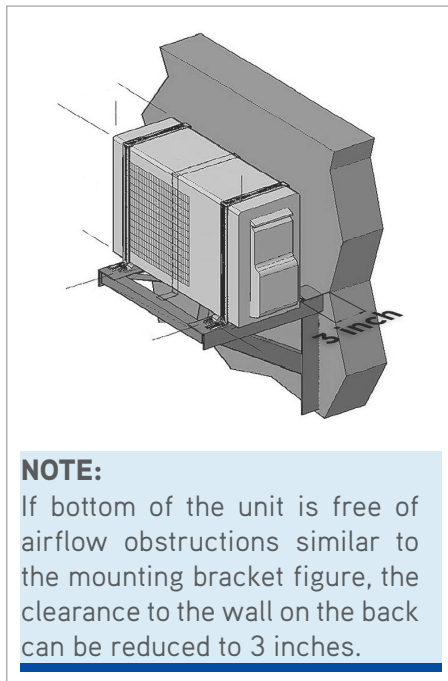
INDOOR UNIT

Minimum clearance



OUTDOOR UNIT

Minimum clearance



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