





## SUBMITTAL DATA

SAP18HP230V1R32AH / SAP18HP230V1R32AO  
18000 BTU/H Wall Mounted Heat Pump System

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

			
YBE1FB9F	SAP18HP230V1R32AH	SAP18HP230V1R32AO	XE71 (Optional)

## GENERAL FEATURES

- AHRI Certificate: [215295786](#)
- New R32 Refrigerant
- 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 -20°F (Range -20°F to 122°F)
- Low Ambient Heating down to -22°F (Range -22°F to 86°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

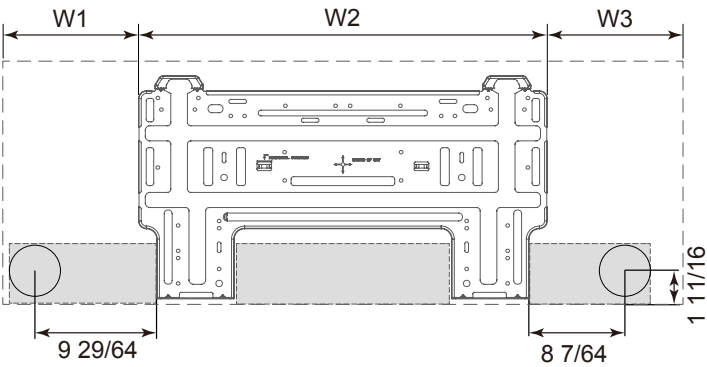
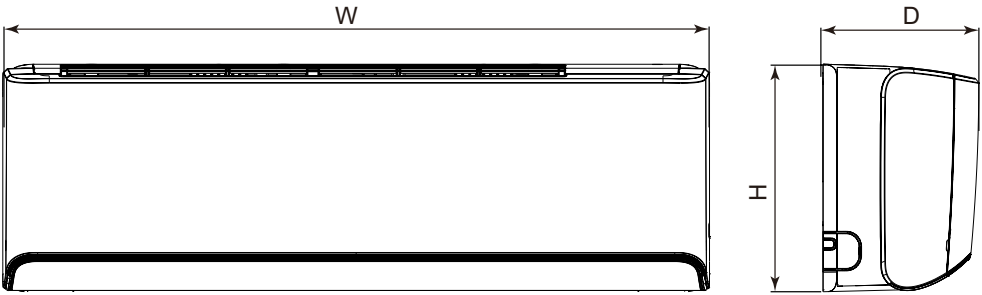
SPECIFICATIONS		SAP18HP230V1R32AH / SAP18HP230V1R32AO		FEATURES & FUNCTIONS SUMMARY		SAP18HP230V1R32AH / SAP18HP230V1R32AO	
System Type		HEAT PUMP					
SYSTEM PERFORMANCE				SYSTEM FEATURES			
Cooling	Min - Max	Btu/h	4,435 - 25,590		Inverter Type	G10	
	Capacity @95°F	Btu/h	18,000		Ultra Low Frequency Torque Control	Yes	
Heating	Min - Max	Btu/h	5,118 - 26,272		Power Factor Correction	Yes	
	Rated Capacity @47°F	Btu/h	18,600		Compressor Type	High Efficiency Two Stage Rotary	
	Rated Capacity @17°F	Btu/h	11,800		Basepan With Electric Heater	Yes	
	Rated Capacity Max @5°F	Btu/h	18,000		Compressor With Electric Heater	Yes	
SEER2			27.5		Indoor & Outdoor Fin Coating	Acrylic Resin/Anti-Corrosion	
EER2			14.3		Intelligent Defrosting	Yes	
HSPF2			10.0		Intelligent Preheating	Yes	
COP @5°F			1.8		Low Voltage Startup	Yes	
COP @47°F			4.1		Memory/Power Failure Recovery	Yes	
Cooling Temperature Range		°F	-20 - 122		Self Diagnosis	Yes	
Heating Temperature Range		°F	-22 - 86		Wired Controller Interface	No	
Refrigerant Type			R32		WiFi Included	Yes	
INDOOR UNIT		SAP18HP230V1R32AH		Indoor Fan Type	Crossflow		
Air flow (Min-Max)		CFM	471 - 736		Multi Fan Speeds	7 Speeds	
Sound Pressure Level (Min - Max)		dB(A)	35 - 49		Indoor Unit Display	Yes	
Dehumidification		pt/hr	3.80		Auxiliary Electrical Heater	No	
External Dimensions (WxHxD)		in	43-45/64 × 13-21/32 × 10-1/8		Ventilation (Outdoor Air)	No	
Package Dimension (W x H x D)		in	45-55/64 × 13-21/32 × 16-1/2		REMOTE CONTROLLER FUNCTIONS		
Net Weight		lbs	38.6		Auto Mode	Yes	
Gross Weight		lbs	45.2		Auto Fan	Yes	
OUTDOOR UNIT		SAP18HP230V1R32AO		Auto Swing (Horizontal Auto Swing)	Yes		
Sound Pressure Level		dB(A)	59		Auto Swing (Vertical Auto Swing)	Yes	
External Dimensions (W x H x D)		in	37 23/32 × 25 63/64 × 15 53/64		Clock on Remote Controller	Yes	
Package Dimension (W x H x D)		in	40-5/8 × 29-1/64 × 17-61/64		Dry Mode	Yes	
Net Weight		lbs	94.8		Dry Anti-Mildew (X-Fan) Mode	Yes	
Gross Weight		lbs	104.7		Energy Saving Mode	No	
REFRIGERANT PIPING				Dirty Filter Alert	No		
Refrigerant Charge		oz	47.6		I Feel Function	Yes	
Additional Charge		oz/ft	0.4		Lock on Remote Controller	Yes	
Line Set Size (Liquid - Gas) - Flared Connections		in	1/4 - 5/8		Quiet Mode	Yes	
Pre-Charge Length		ft	25		Room Temperature Display	No	
Pipe Length (Min - Max)		ft	10 - 131		Sleep Mode	Yes	
Max. Pipe Elevation		ft	82		4 Sleep Mode Options	Yes	
ELECTRICAL				Timer Mode	Yes		
Power Supply		208-230V / 1Ph / 60Hz (Powered by the Outdoor Unit)		Turbo Mode	Yes		
Voltage Range (Min - Max)		VAC	187 - 253		Display On/Off Control	Yes	
Rated Current - Cooling		A	12.5		Freeze Guard Mode	No	
Rated Current - Heating		A	16		Humidity Control	Yes	
MCA		A	20				
MOCP		A	25				
Suggested Breaker Size		A	20				
Main Power Wire Size		AWG	Per Local Code				
Interconnecting Wire Size		AWG	14 / 4				

DIMENSIONS

INDOOR UNIT

Unit: inch

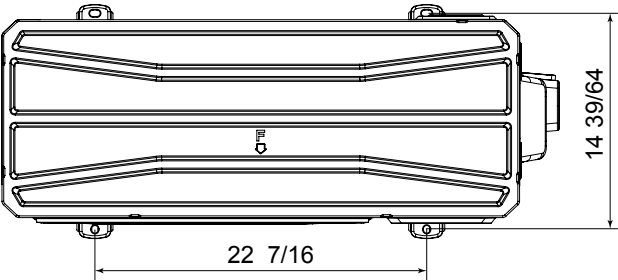
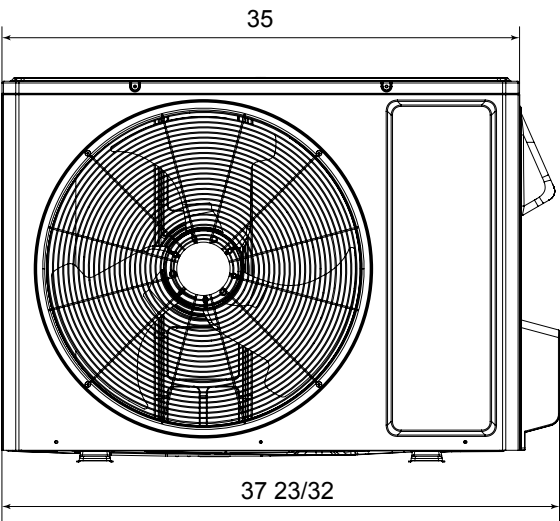
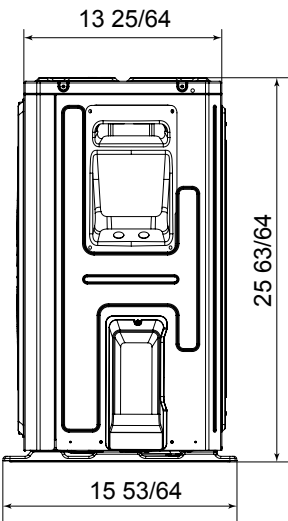
SAP18HP230V1R32AH	
DIMENSIONS	
W	43 45/64
H	13 21/32
D	10 1/8
W1	10 27/32
W2	22 7/64
W3	10 3/4



OUTDOOR UNIT

Unit: inch

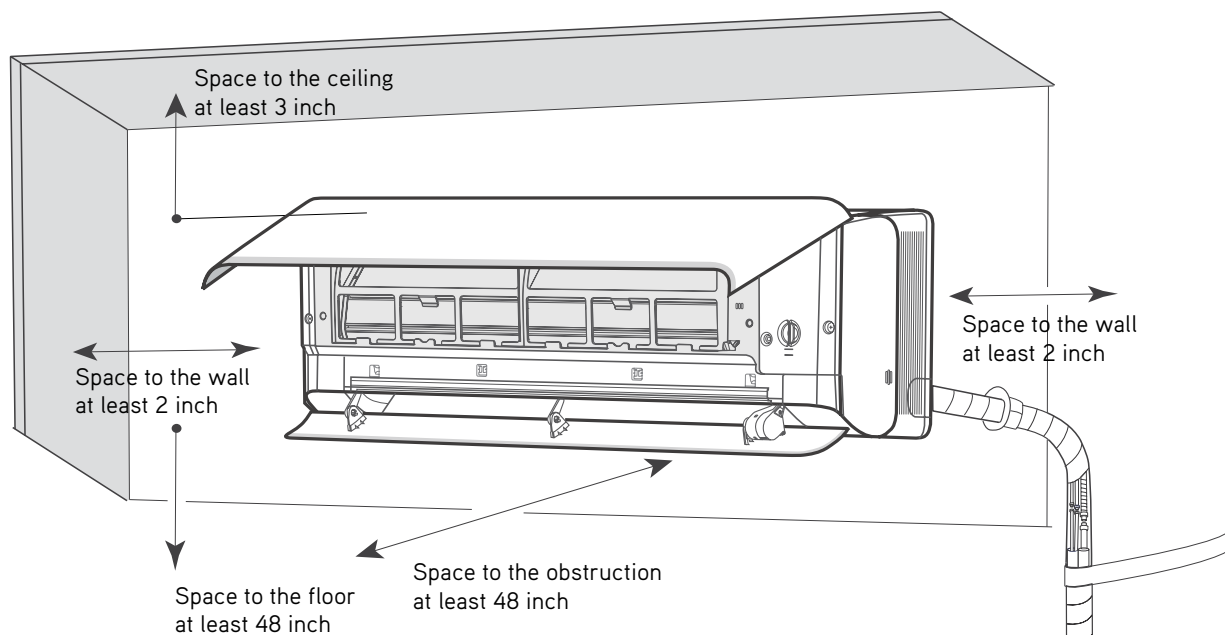
SAP18HP230V1R32AO
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## CLEARANCES

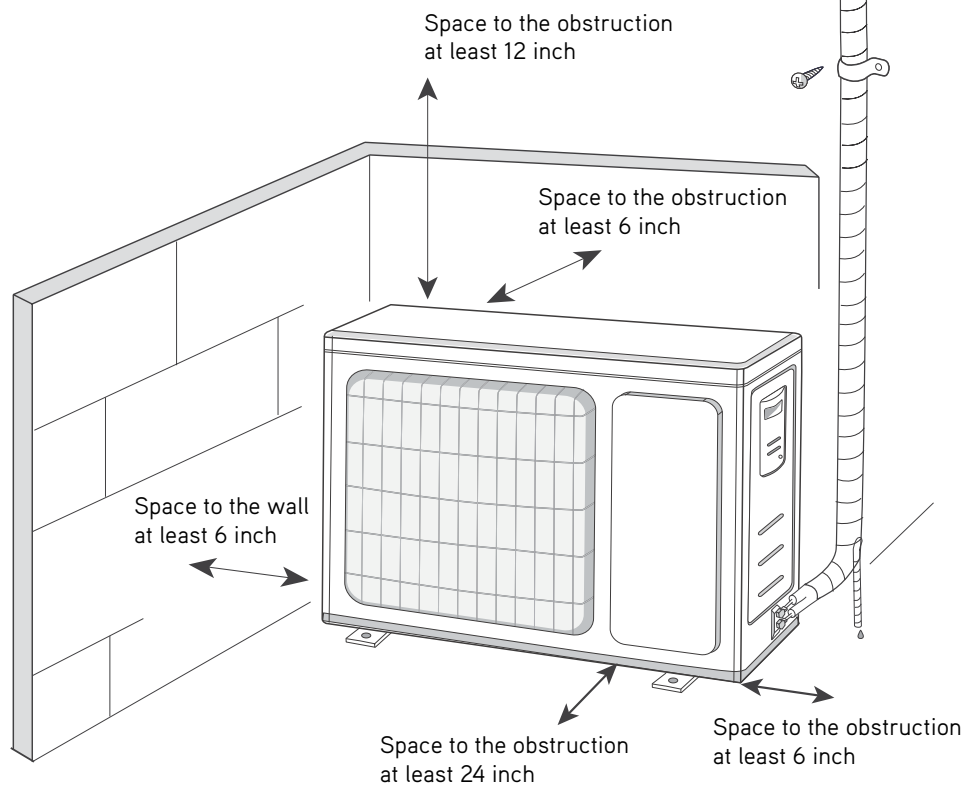
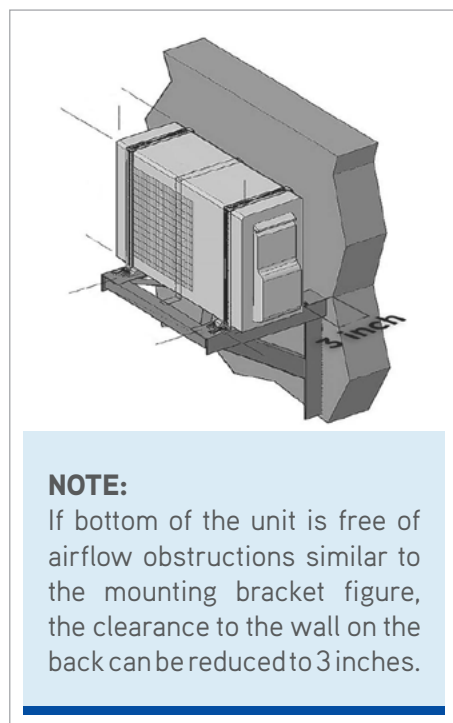
### INDOOR UNIT

Minimum clearance



### OUTDOOR UNIT

Minimum clearance



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