

SUBMITTAL DATA SHEET



Series Name: EP Energy Star Series
 Model Number: S224H525ZMO /WM24H525ZMI

High Wall Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)	812.3 / 618.0 / 412.0 / 317.8 //	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	51.5/43.5/39.5/21.5/19	
Dimension (WxDxH)	inch	47.13 x 11.02 x 14.61
Package (WxDxH)	inch	50.39x14.17x17.91
Net/Gross Wt	lbs	43.65/55.56

OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Compressor Model	KTM240D46UKT2	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	620	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	2235.3	
Outdoor Noise Level (dBA)	58.0	
Dimension (WxDxH)	inch	37.24 x 16.14 x 31.89
Package (WxDxH)	inch	42.91 x 19.68 x 34.84
Net/Gross Weight	lbs	122.13/132.28

EFFICIENCY			
Cooling		Heating	
SEER2	23	HSPF2-4	11.7
EER2	14.0	COP	3.96

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	5500~29500
Moisture Removal(L/h)	2.3
Standard Operating Range(°F/°C)	-13~122(-25~50)
Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

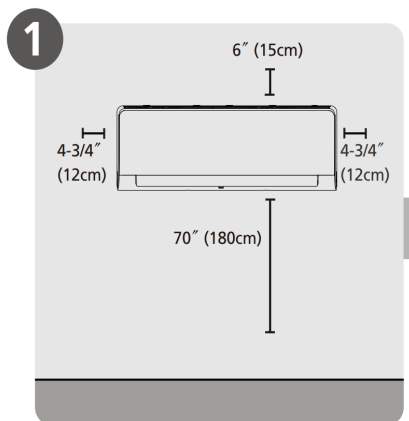
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	25000
1. @ 47°F Min/Max Capacity	9900~30800
2. @ 17°F Rated	18800
3. @ 5°F Rated: Capacity / COP	19600/2.54
3. @ 5°F Max: Capacity	19600
Standard Operating Range(°F/°C)	-13~75(-25~24)
1. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	24.0
Connection Wiring	14#x4
System MOC	25
Compressor RLA	15.4
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.3
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	1714(560 ~ 2570)
System Power Input @ Heating (W)	1852(520 ~ 3150)
MCA: Min. circuit amps (A)	MOC: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

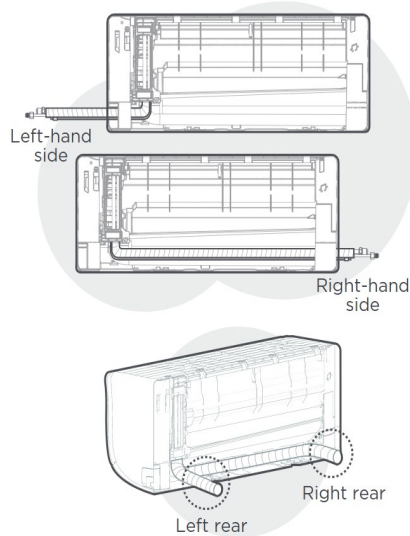
PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	70.55(2)
Additional Charge of Refrigerant(oz/ft)/(g/m)	0.32(30)
Connection Method	Flared

- Easy maintenance design
- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

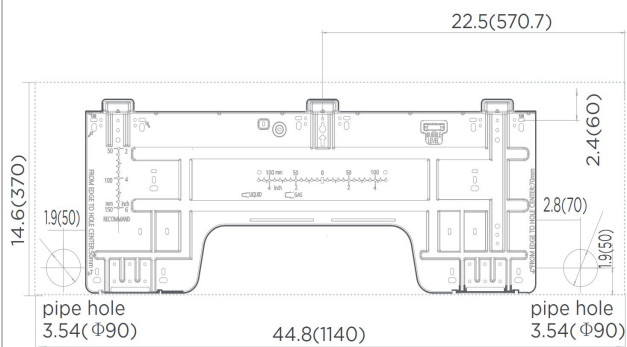
Installation Instruction



Select Installation Location

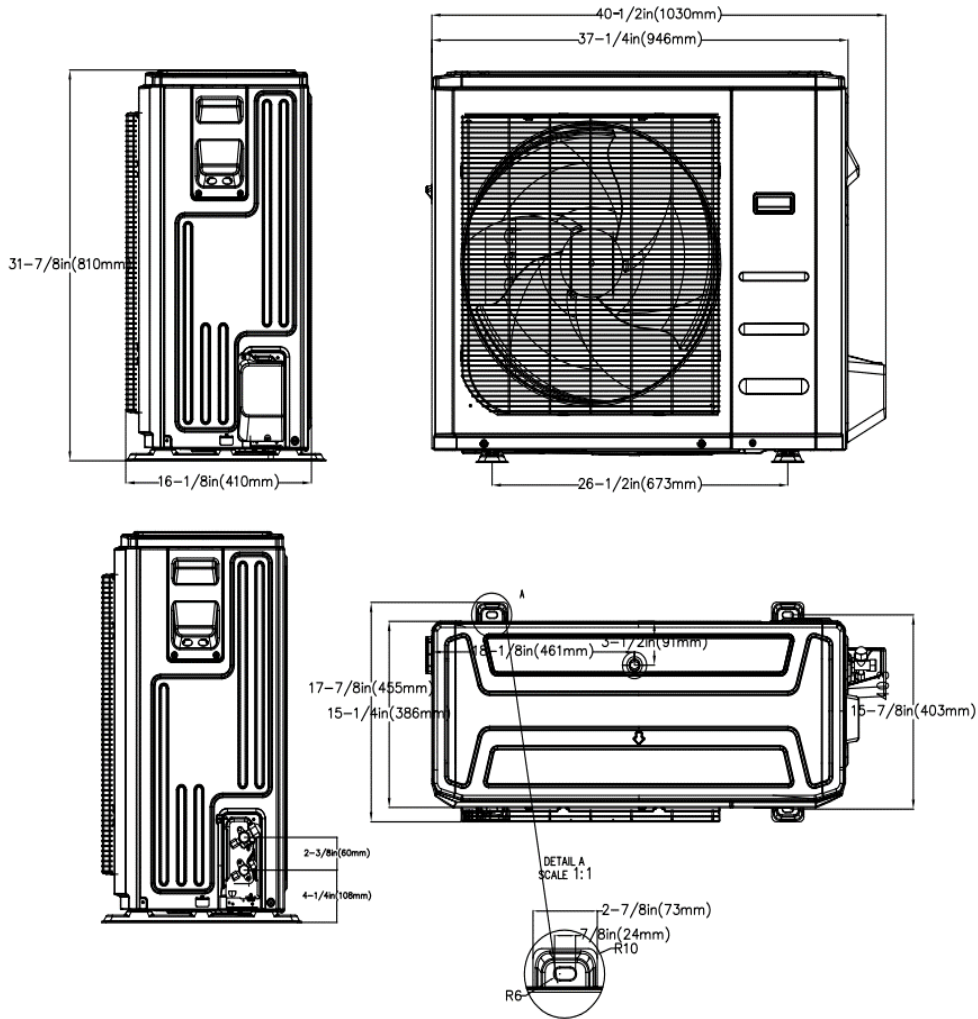


NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

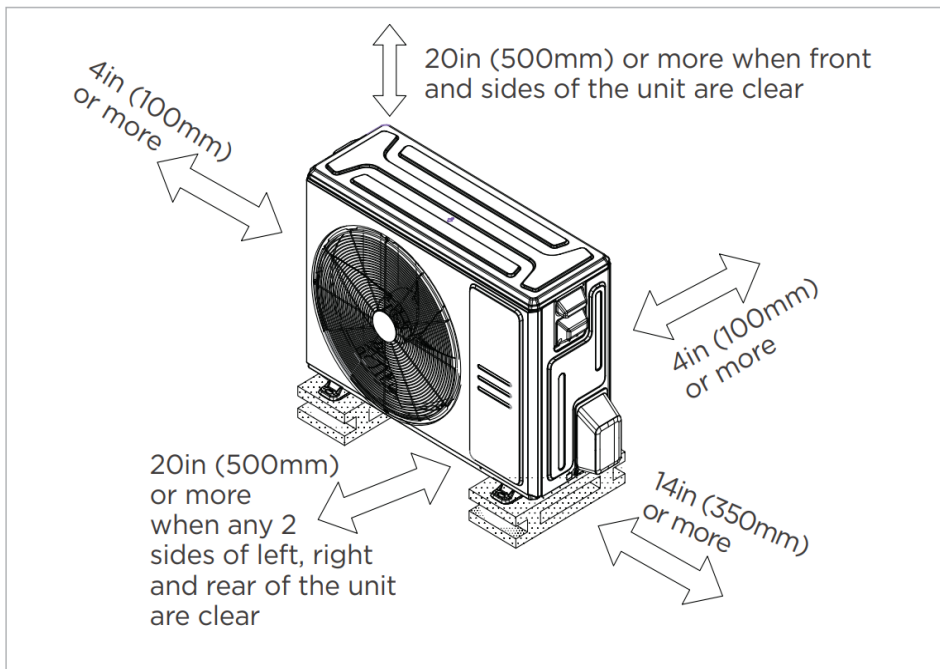


NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above