

SUBMITTAL DATA SHEET

Series Name: EP Hyper Heat Series
 Model Number: HSZ12H525ZMO / WM12H525ZMI



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)	441.4 / 323.7 / 229.6 / 176.6 / 147.2
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	47/36.5/32.5/22/19.5
Dimension (WxDxH)	inch 33.74 x 9.09 x 11.81
Package (WxDxH)	inch 36.22x12.20x14.57
Net/Gross Wt	lbs 22.93/29.32

OUTDOOR SPECIFICATION	
Compressor Type	ROTARY
Compressor Model	KTN110D42UFZ
Refrigerant	R454B
Refrigerant Oil Charge(mL)	350
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1470.6
Outdoor Noise Level (dBA)	56.0
Dimension (WxDxH)	inch 31.69 x 12.99 x 21.81
Package (WxDxH)	inch 36.02 x 14.57 x 24.21
Net/Gross Wt	lbs 72.75/78.70

EFFICIENCY			
Cooling		Heating	
SEER2	25.4	HSPF2-4	10.5
EER2	13.4	COP	3.76

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	12000
Min/Max Capacity	3800~14600
Moisture Removal(L/h)	1.2
Standard Operating Range(°F/°C)	-22~122(-30~50)
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	12000
1. @ 47°F Min/Max Capacity	3800~16000
2. @ 17°F Rated	9800
3. @ 5°F Rated: Capacity / COP	11500/1.80
3. @ 5°F Max: Capacity	11500
Standard Operating Range(°F/°C)	-22~75(-30~24)
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

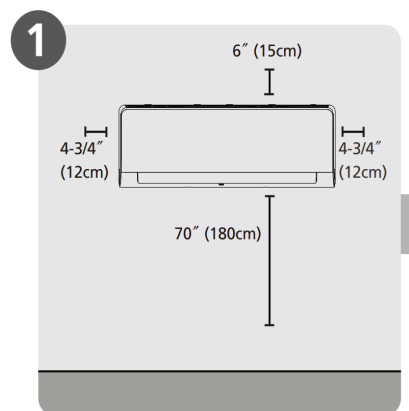
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	15.0
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	10.4
Outdoor Fan Motor RLA	0.6
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	890(127 ~ 1250)
System Power Input @ Heating (W)	935(225 ~ 1400)
MCA: Min. circuit amps (A)	MOCP: 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
Liquid Size	6.35mm(1/4in)
Gas Size	9.52mm(3/8in)
Max. Piping Length(ft/m)	82.00(25)
Max. Height Difference(ft/m)	49.20(15)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	35.27(1)
Add'l Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

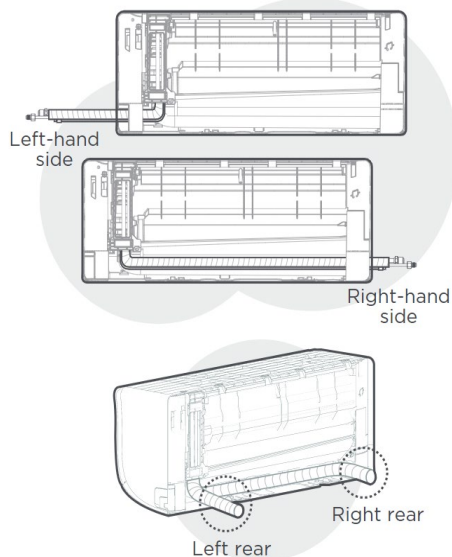
Features

- 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

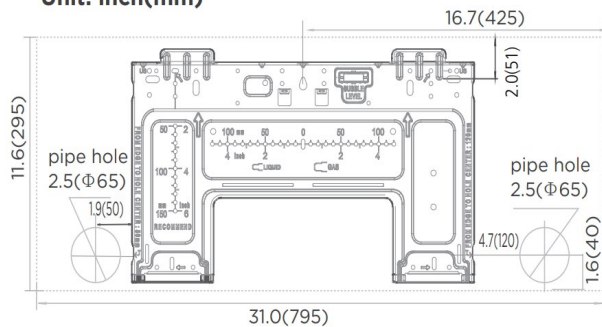


Select Installation Location



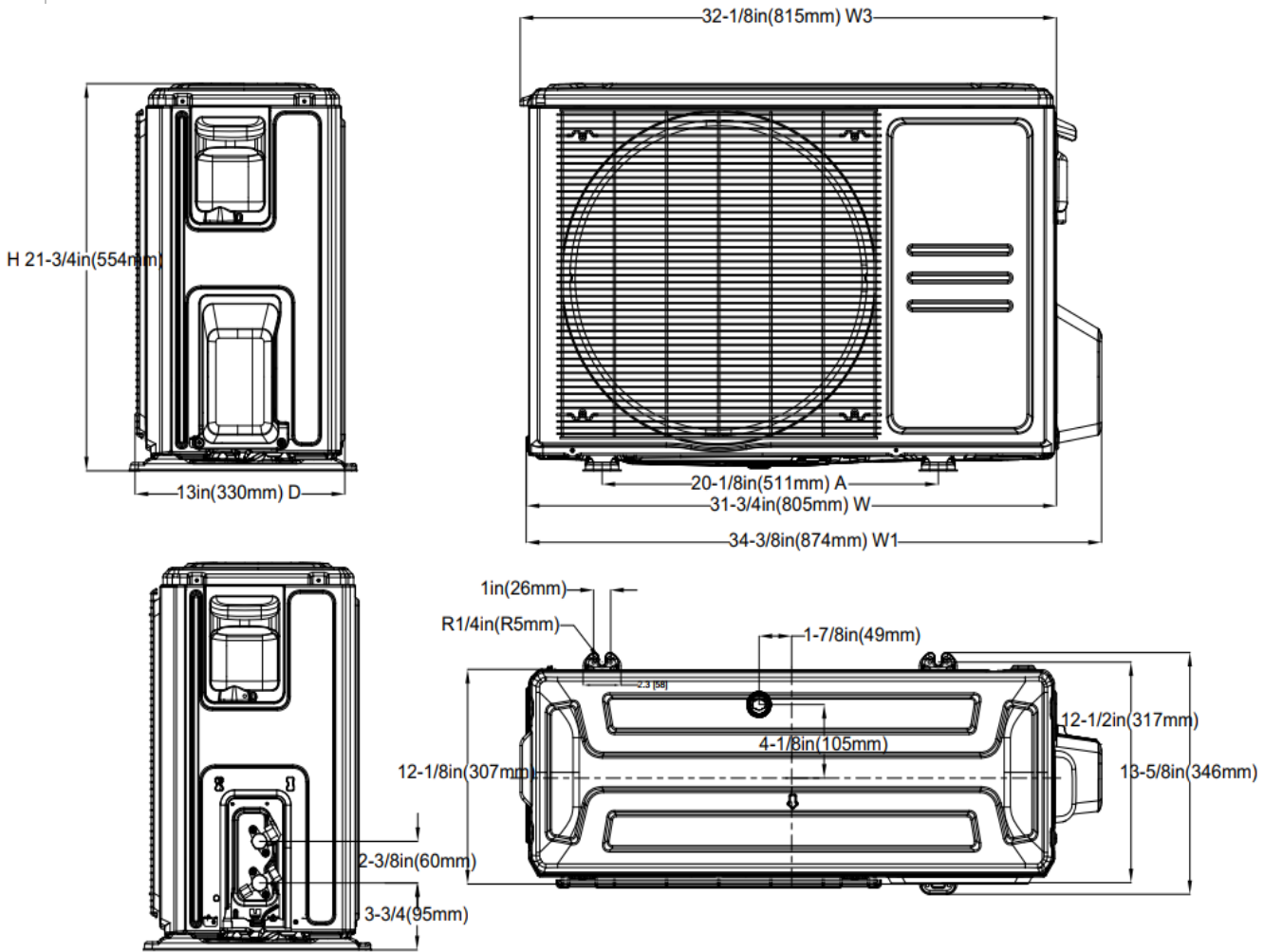
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

Unit: inch(mm)

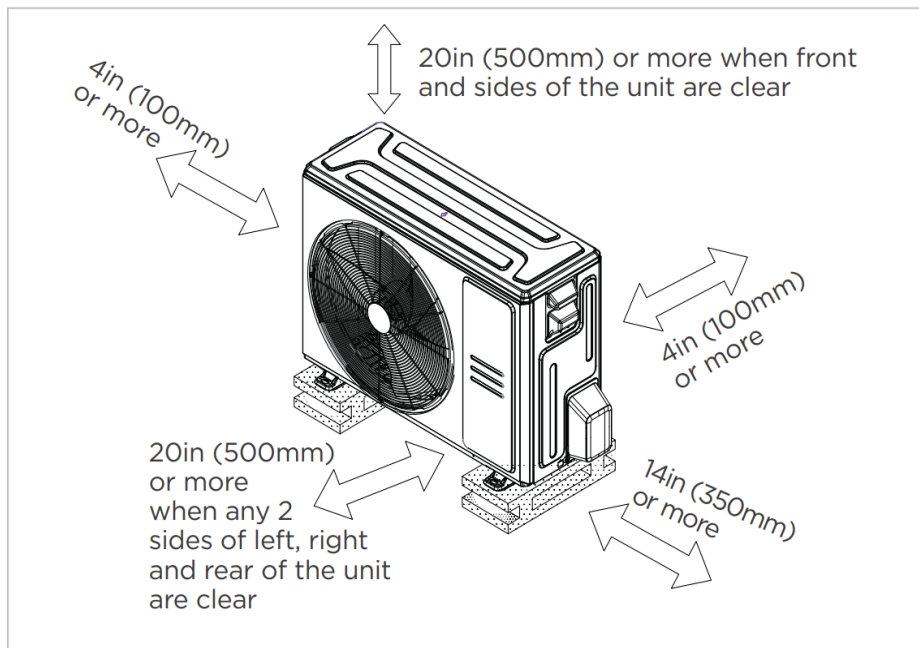


NOTE:
When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.