

# SUBMITTAL DATA SHEET

Series Name: 25 Series

Model Number: SZ09H525ZMO/WM09H525ZMI



## 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)	47.5/43/31/18/17	
Dimension (W×D×H)	inch	33.74 x 9.09 x 11.81
Package (W×D×H)	inch	36.22x12.20x14.57
Net/Gross Wt	lbs	23.37/29.98

## OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KSK103D33UEZ3	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	310	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1235.3	
Outdoor Noise Level (dBA)	52.5	
Dimension (W×D×H)	inch	30.12 x 11.93 x 21.85
Package (W×D×H)	inch	34.92 x 13.27 x 24.02
Net/Gross Wt	lbs	62.17/67.68

## EFFICIENCY

Cooling		Heating	
SEER2	25.8	HSPF2-4	12.5
EER2	14.9	COP	3.90

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	2200~13000
Moisture Removal(L/h)	0.6
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	10000
1. @ 47°F Min/Max Capacity	4100~13800
2. @ 17°F Rated	8100
3. @ 5°F Rated: Capacity / COP	8000/2.36
3. @ 5°F Max: Capacity	8000
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	12.0
Connection Wiring	14#x4
System MOCP	15
Compressor RLA	7.3
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)	604(180 ~ 990)
System Power Input @ Heating (W)	750(225 ~1130)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

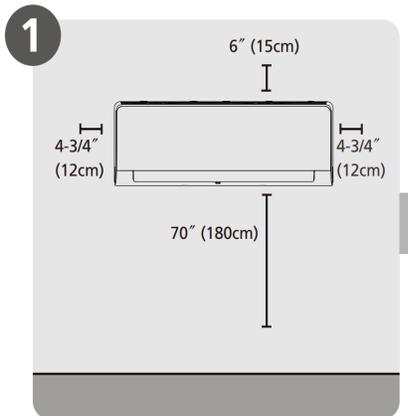
## PIPING

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)	32.45(0.92)
Additional Charge of Refrigerant(oz/ft)(g/m)	0.16(15)
Connection Method	Flared

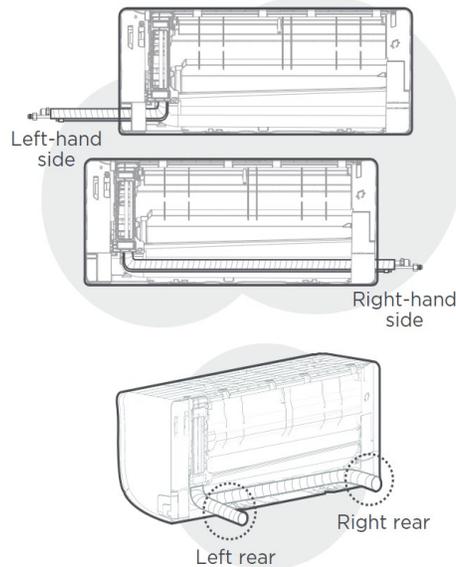
## Features

- 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

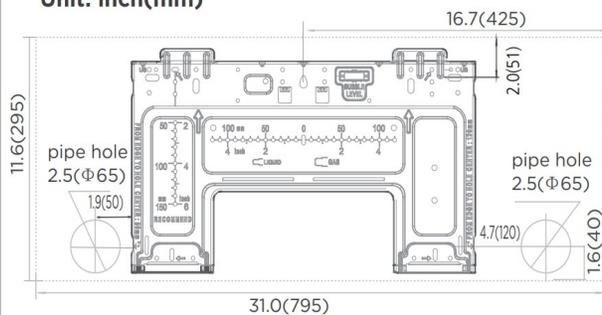


**Select Installation Location**



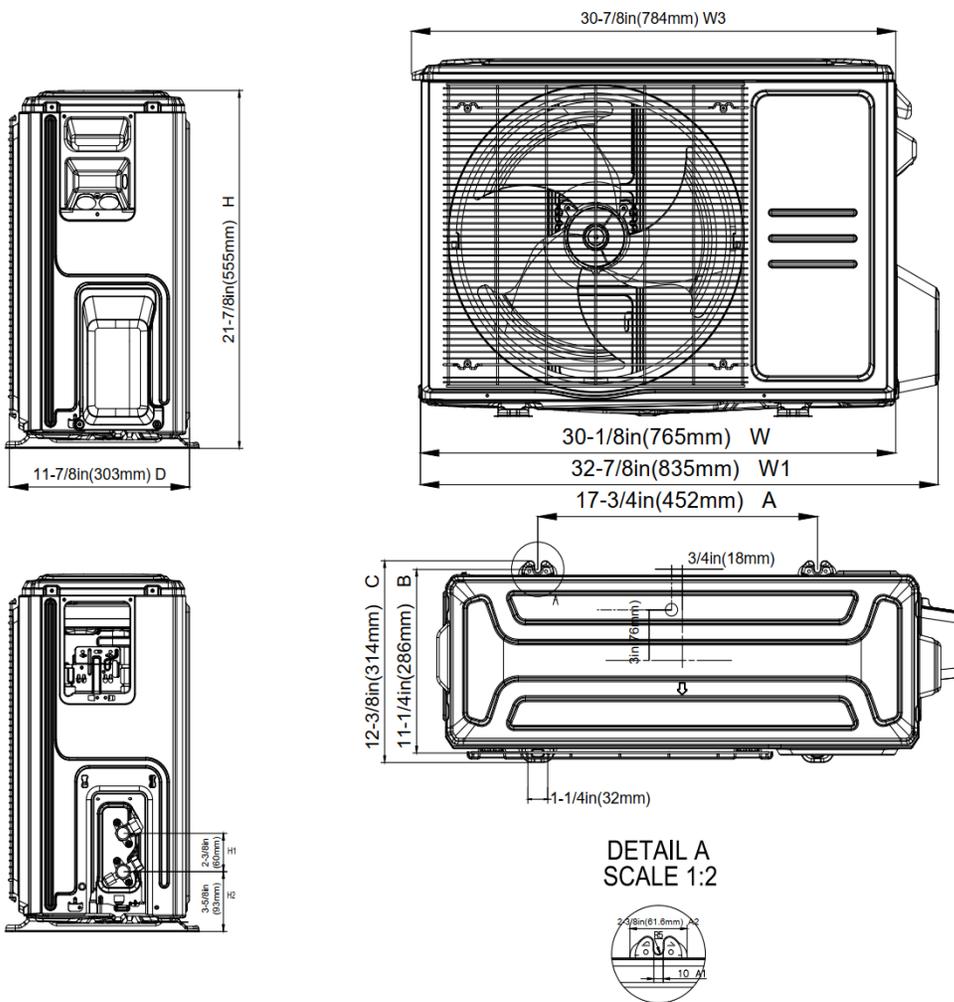
**NOTE:**  
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

**Unit: inch(mm)**

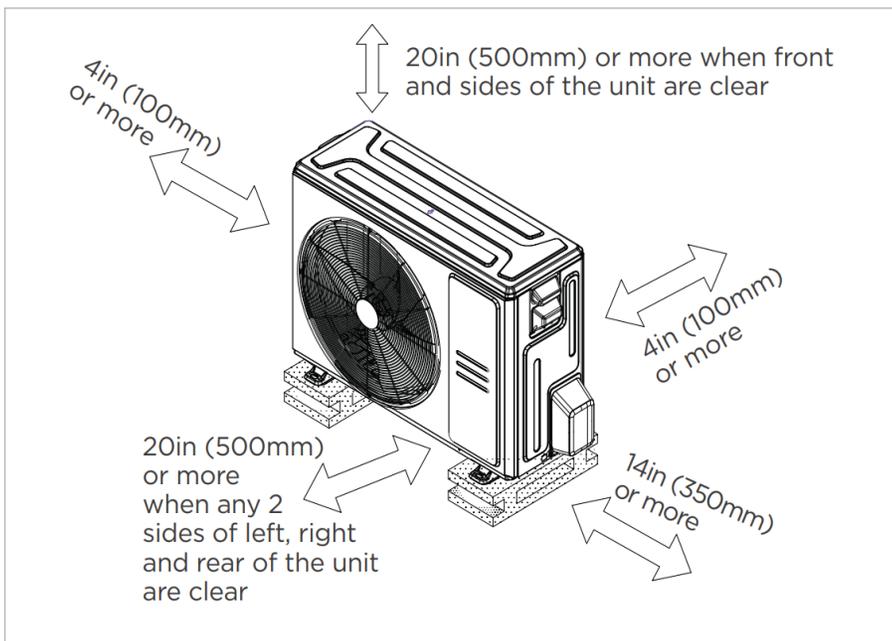


**NOTE:**  
When the gas side connective pipe is  $\Phi$  (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimension



Installation Instruction



Meets all spatial requirements shown in Installation Clearance Requirements above.