

# SUBMITTAL DATA SHEET



Series Name: 21 Series

Model Number: 18521ZOMI/18H521ZIMI

## 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)	470.9 / 400.2 / 329.6 / 270.8 / /	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	49.0/45/38/23/19	
Dimension (W×D×H)	inch	38.23 x 8.98 x 12.64
Package (W×D×H)	inch	41.14 x 12.01 x 15.94
Net/Gross Weight	lbs	25.35/32.85

## OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KSN140D21UFZ	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	440	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1235.3	
Outdoor Noise Level (dBA)	58.0	
Dimension (W×D×H)	inch	31.69 x 12.99 x 21.81
Package (W×D×H)	inch	36.02 x 14.57 x 24.21
Net/Gross Weight	lbs	72.31/78.48

## EFFICIENCY

Cooling		Heating	
SEER2	20.2	HSPF2-4	9.1
EER2	11.5	COP	3.08

## PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	2600~18600
Moisture Removal(L/h)	2.5
Standard Operating Range(°F/°C)	5~122(-15~50)
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	18800
1. @ 47°F Min/Max Capacity	6100~19200
2. @ 17°F Rated	11700
3. @ 5°F Rated: Capacity / COP	11500/2.00
3. @ 5°F Max: Capacity	11500
Standard Operating Range(°F/°C)	5~75(-15~24)
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	20
Compressor RLA	10.0
Outdoor Fan Motor RLA	0.4
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1565(280 ~ 1680)
System Power Input @ Heating (W)	1790(365 ~2010)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

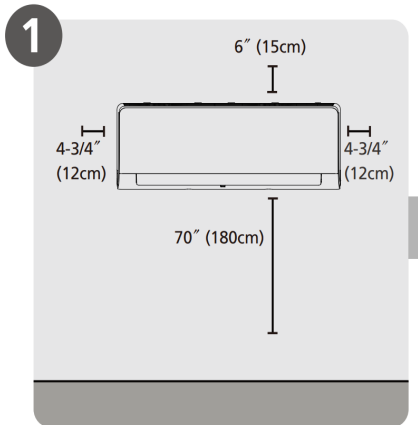
## PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	Capillary
Liquid Size	6.35mm(1/4in)
Gas Size	12.7mm(1/2in)
Max. Piping Length(ft/m)	98.40(30)
Max. Height Difference(ft/m)	65.60(20)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	40.57(1.15)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

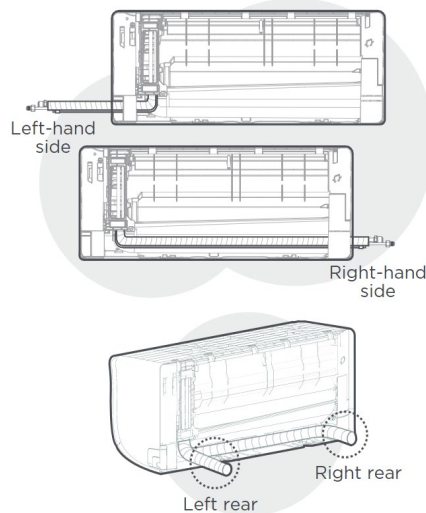
## Features

- 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\*

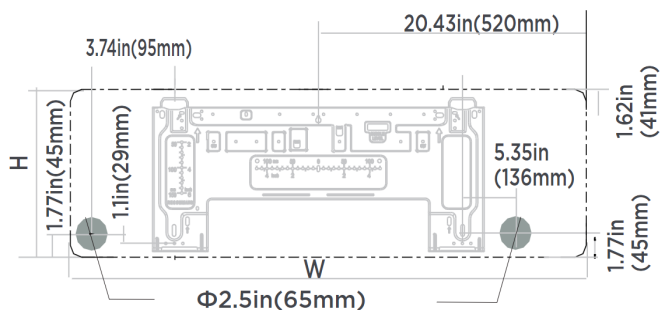
## Installation Instruction



**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.

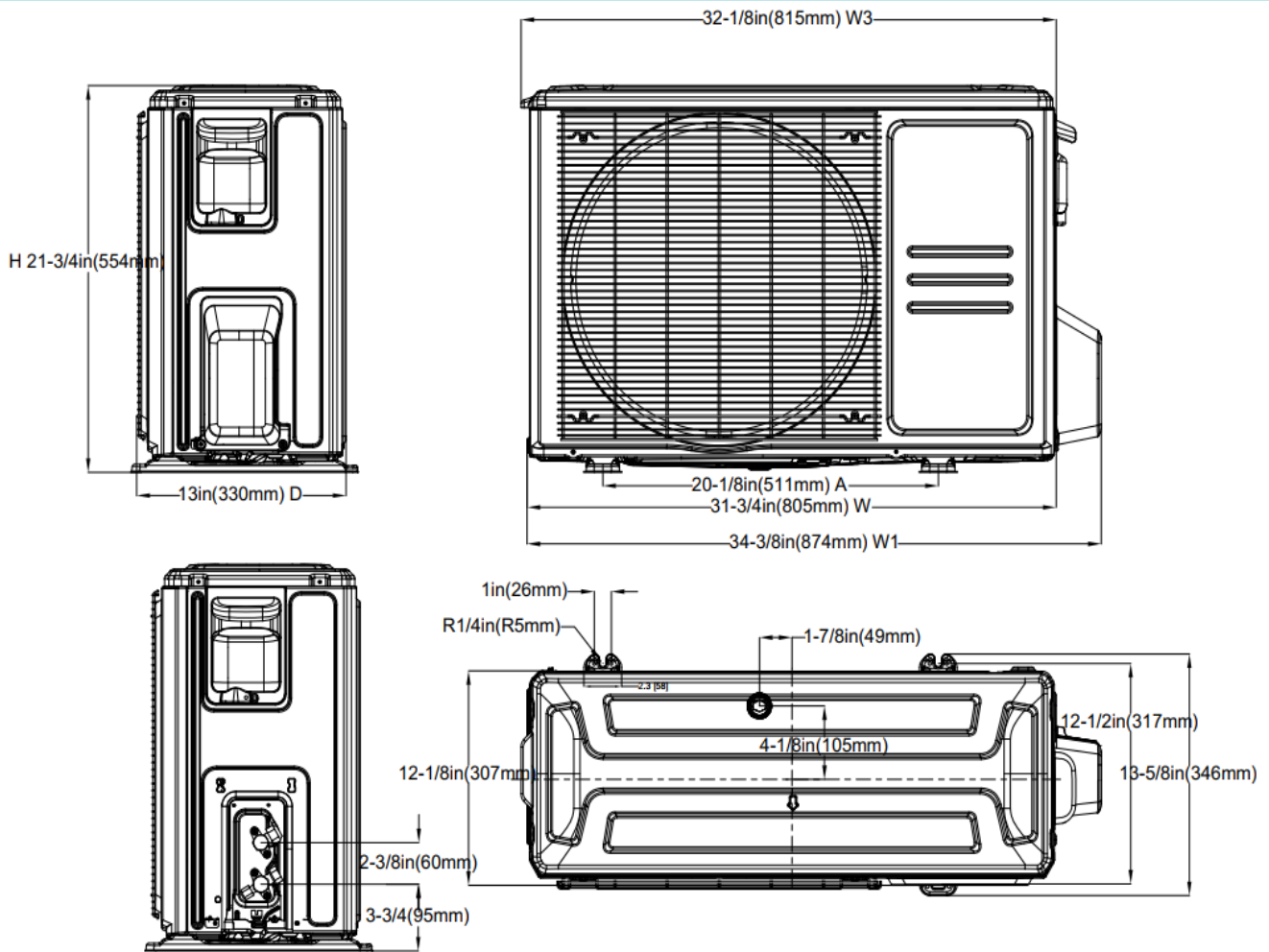


**Indoor unit dimensions(WxH):**

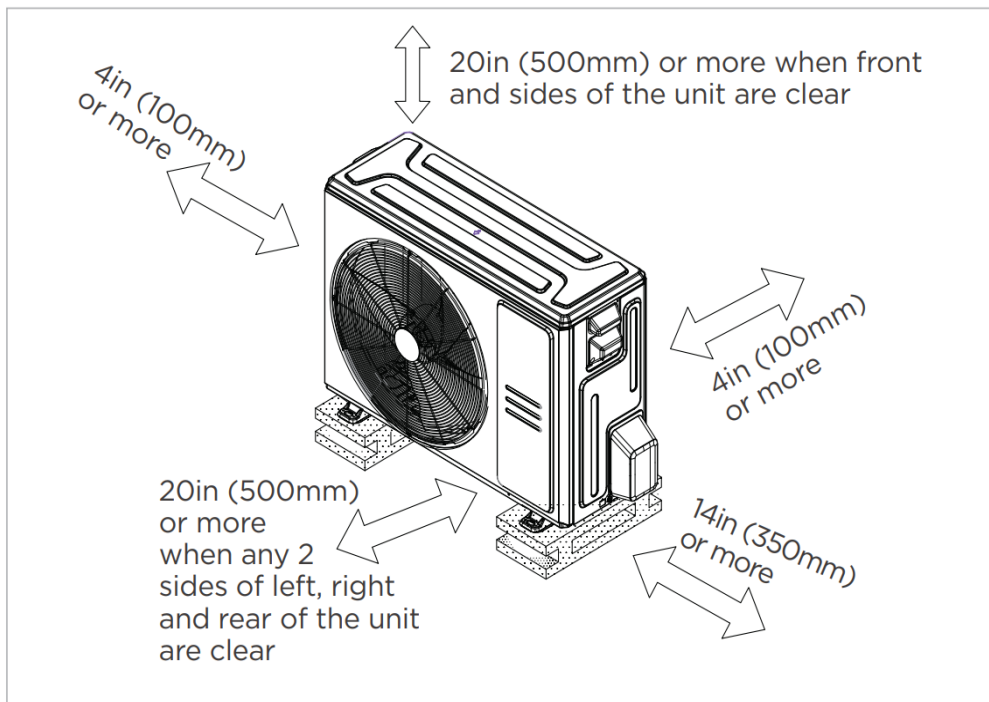
38.2in(971mm)x12.6in(321mm)

**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.