

SUBMITTAL DATA SHEET



Series Name: 21 Series

Model Number: 24H521ZOMA/24H521ZIMA

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)	729.9 / 547.4 / 400.2 / 329.6 / /	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	54.0/46/41.0/28/22	
Dimension (W×D×H)	inch	42.60 x 9.21 x 13.27
Package (W×D×H)	inch	45.47 x 16.34 x 12.40
Net/Gross Weight	lbs	30.64/39.68

OUTDOOR SPECIFICATION		
Compressor Type	ROTARY	
Compressor Model	KTM240D46UKT2	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	620	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1764.7	
Outdoor Noise Level (dBA)	62.0	
Dimension (W×D×H)	inch	35.04 x 13.46 x 26.50
Package (W×D×H)	inch	39.17 x 15.67 x 29.13
Net/Gross Weight	lbs	94.58/102.29

EFFICIENCY			
Cooling		Heating	
SEER2	18.5	HSPF2-4	9.0
EER2	9.6	COP	3.22

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	6200~24700
Moisture Removal(L/h)	3.0
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	25000
1. @ 47°F Min/Max Capacity	11900~27200
2. @ 17°F Rated	17200
3. @ 5°F Rated: Capacity / COP	22000/1.97
3. @ 5°F Max: Capacity	22000
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

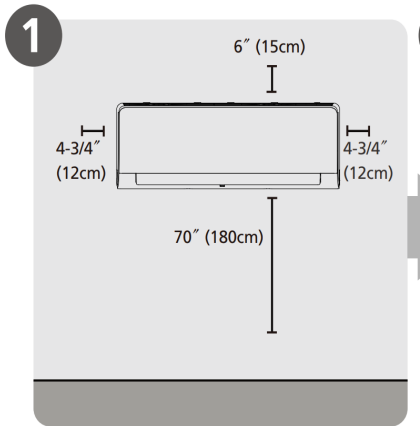
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	19.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	13.8
Outdoor Fan Motor RLA	0.8
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.6
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	2474(290 ~ 2630)
System Power Input @ Heating (W)	2275(970 ~2770)
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)	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)	53.62(1.52)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

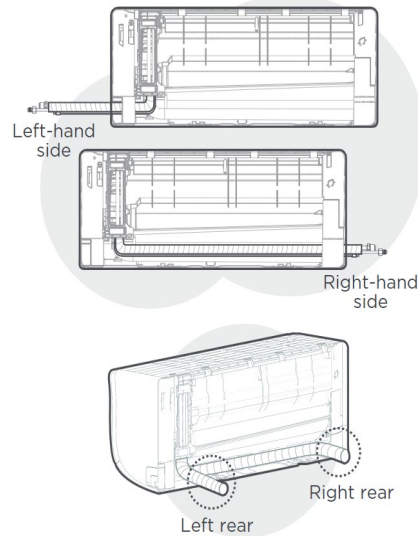
Features

- 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

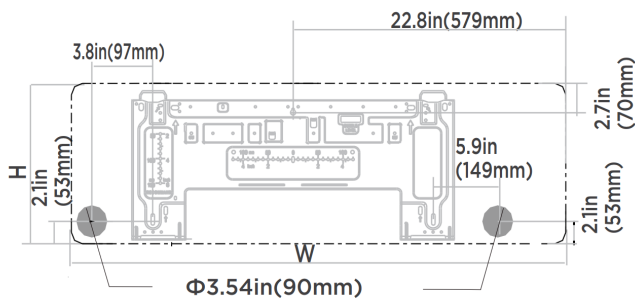


Select Installation Location



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.



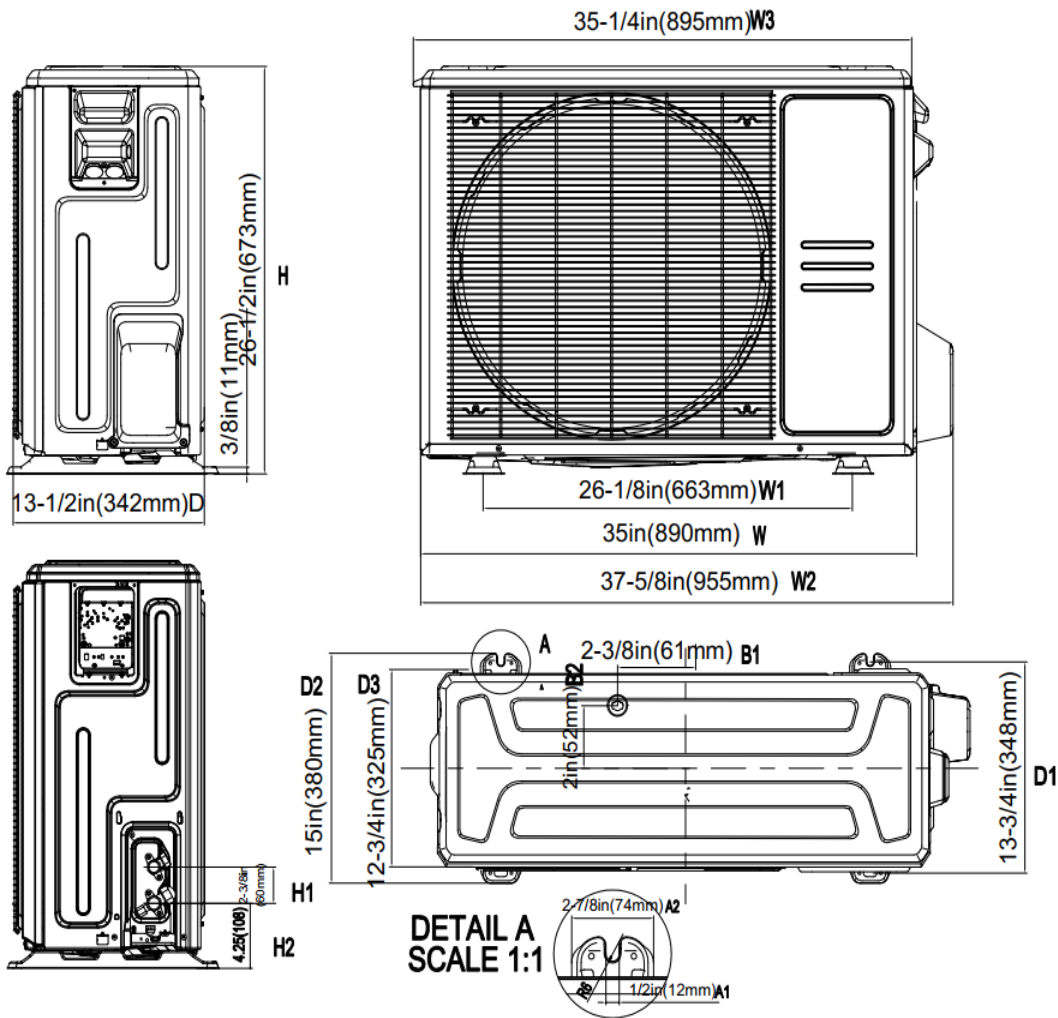
Indoor unit dimensions(WxH):

42.6in(1082mm)x13.3(338mm)

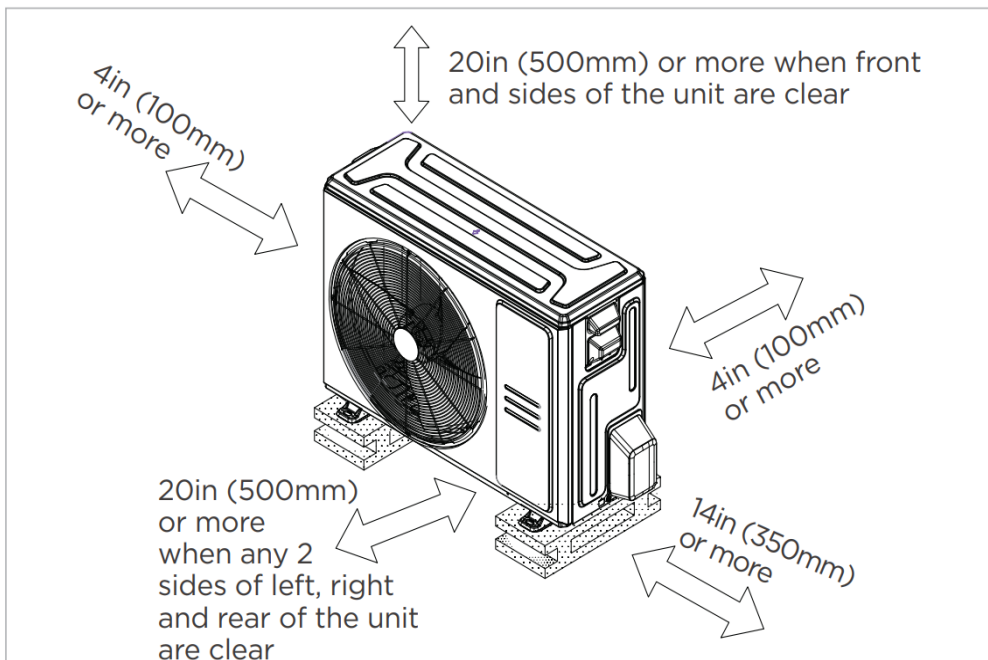
NOTE:

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.