

SUBMITTAL DATA SHEET



Series Name: 21 Series

Model Number: 9H521YOMI/9H521YIMI

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)	312.0 / 235.4 / 170.7 / 135.4 / 105.9	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	43.5/37.0/33.0/23.0/18.5	
Dimension (W×D×H)	inch	28.70 x 7.87 x 11.50
Package (W×D×H)	inch	31.10 x 10.63 x 14.76
Net/Gross Wt	lbs	18.30/23.59

OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KSK103D33UEZ3	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	310	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1294.1	
Outdoor Noise Level (dBA)	53.0	
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	56.66/62.17

EFFICIENCY

Cooling		Heating	
SEER2	21.5	HSPF2-4	9.1
EER2	12.5	COP	3.15

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	9000
Min/Max Capacity	2900~10500
Moisture Removal(L/h)	1.0
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	10000
1. @ 47°F Min/Max Capacity	2400~11200
2. @ 17°F Rated	6600
3. @ 5°F Rated: Capacity / COP	7000/1.95
3. @ 5°F Max: Capacity	7000
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	115V,60Hz,1Ph
System MCA	18.0
Connection Wiring	14#x4
System MOCP	20
Compressor RLA	13.5
Outdoor Fan Motor RLA	0.5
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.3
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	720(300 ~ 880)
System Power Input @ Heating (W)	930(320 ~930)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

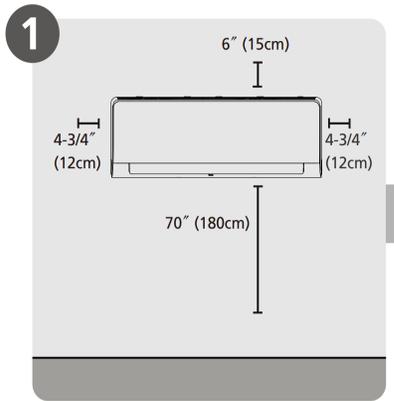
PIPING

Throttle type(Indoor)	N/A
Throttle type(Outdoor)	Capillary
Liquid Size	6.35mm(1/4in)
Gas Size	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 (oz/g)	21.52(0.61)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.16(15)
Connection Method	Flared

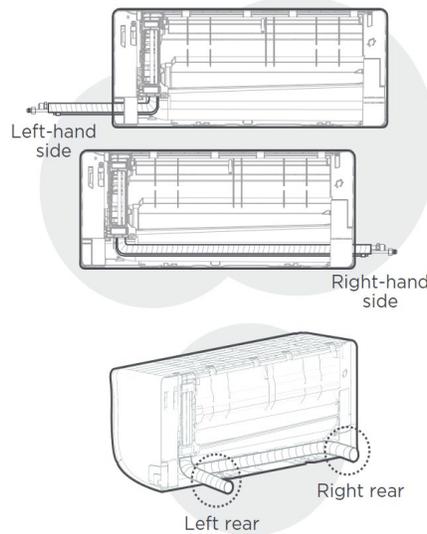
Features

- 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*

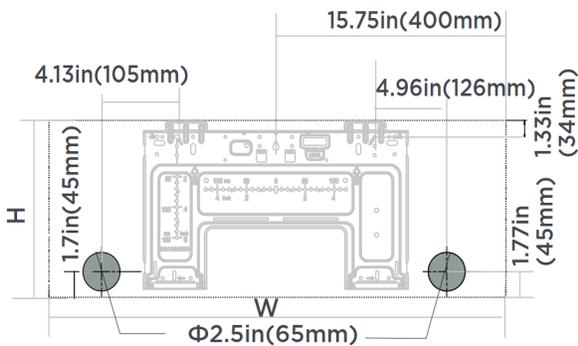
Installation Instruction



Select Installation Location



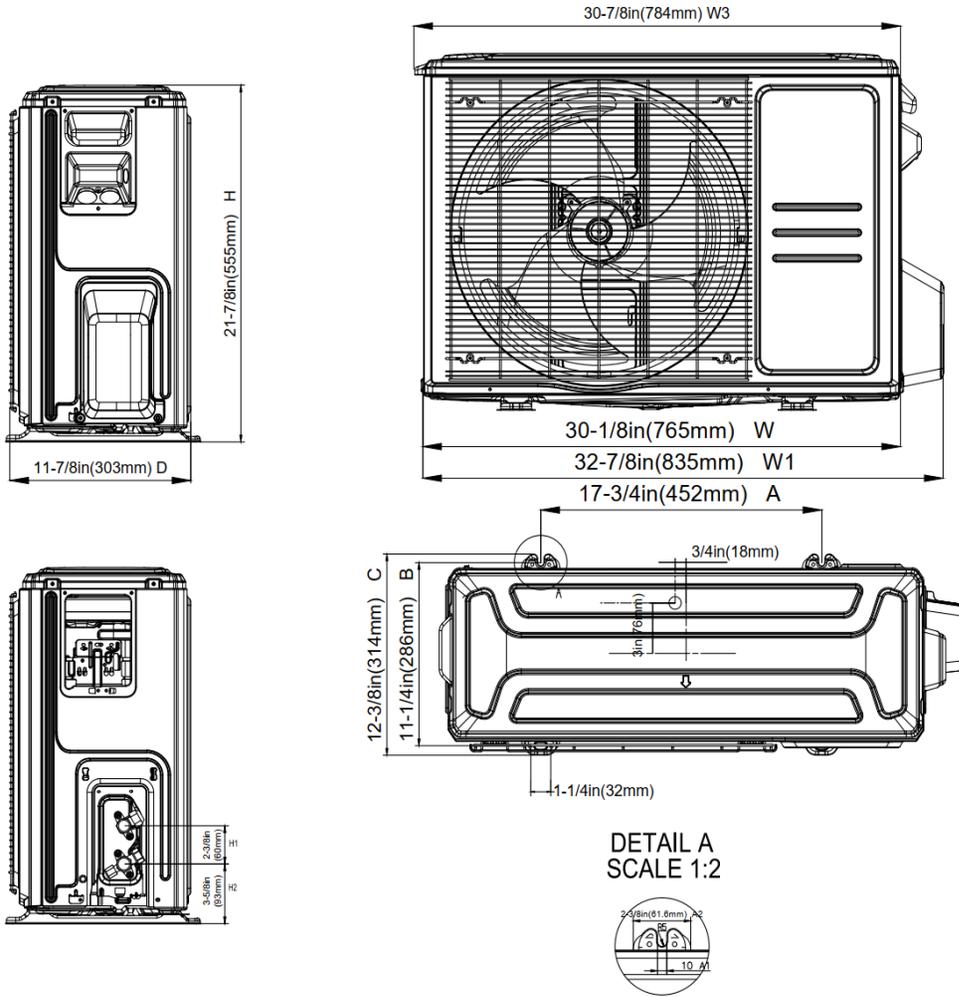
NOTE:
Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.



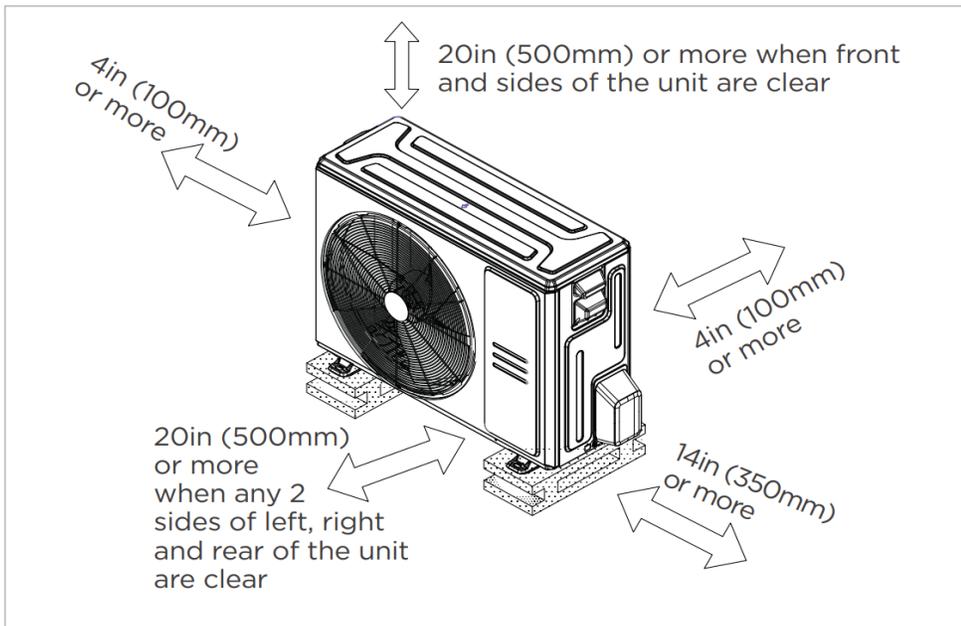
Indoor unit dimensions(WxH):
28.7in(729mm)x11.5in(293mm)

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.