

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)	812.3 / 618.0 / 412.0 / 317.8 / /
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	54.5/43.5/38.5/27/16
Dimension (WxDxH)	inch 47.13 x 11.02 x 14.61
	mm 1197.0x280.0x371.0
Package (WxDxH)	inch 50.39x14.17x17.91
	mm 1280x360x455
Net/Gross Weight	lbs 43.65/55.56
	kg 19.8/25.2

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTM240D46UKT2
Refrigerant	R454B
Refrigerant Oil Charge(mL)	620
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	2235.3
Outdoor Noise Level (dBA)	61.5
Dimension (WxDxH)	inch 37.24 x 16.14 x 31.89
	mm 946.0x410.0x810.0
Package (WxDxH)	inch 42.91 x 19.68 x 34.84
	mm 1090x500x885
Net/Gross Weight	lbs 130.29/141.31
	kg 59.1/64.1

EFFICIENCY

Cooling	Heating
SEER2 25.6	HSPF2-4 16.2
EER2 15.0	COP 4.40

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18000
Min/Max Capacity	12600~27900
Moisture Removal(L/h)	1.1
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	20000
1. @ 47°F Min/Max Capacity	9700~29700
2. @ 17°F Rated	19300
3. @ 5°F Rated: Capacity / COP	22600/2.34
3. @ 5°F Max: Capacity	22600
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

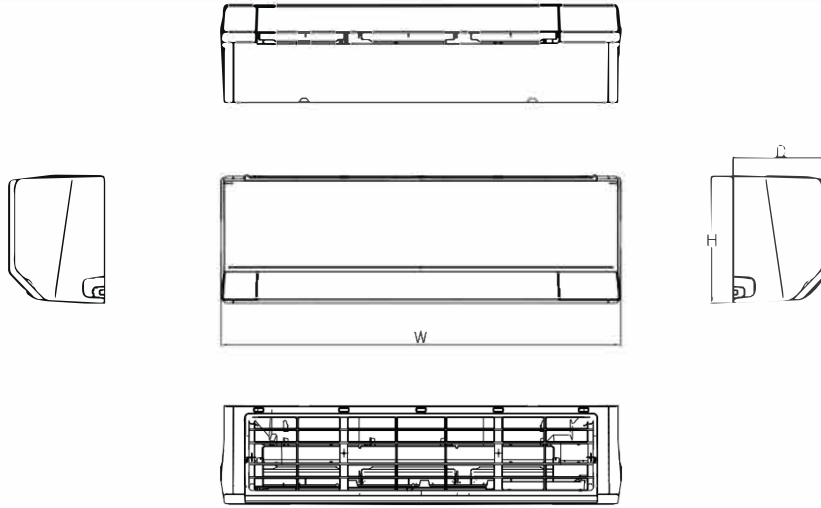
ELECTRICAL

Power Supply	208/230V, 60Hz, 1Ph
System MCA	24.9
Connection Wiring	14#x4
System MOCP	25
Compressor RLA	15.0
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.3
Indoor Fan Motor W	58
System Power Input @ Cooling (W)	1200(940 ~ 2280)
System Power Input @ Heating (W)	1332(525 ~ 2440)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

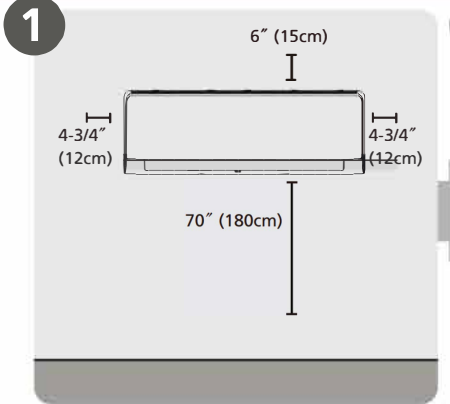
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/g)	63.49(1.8)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

Indoor Unit Dimension

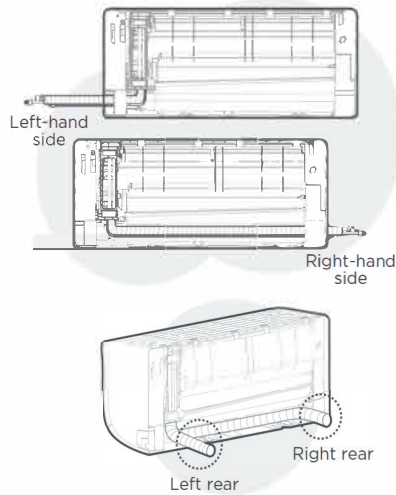


Capacity	Body Code	Unit	W	D	H
6k~12k	C	mm	1024	246	321
		inch	40-1/4	9-3/4	12-5/8
18k	D	mm	1197	280	371
		inch	47-1/8	11	14-5/8

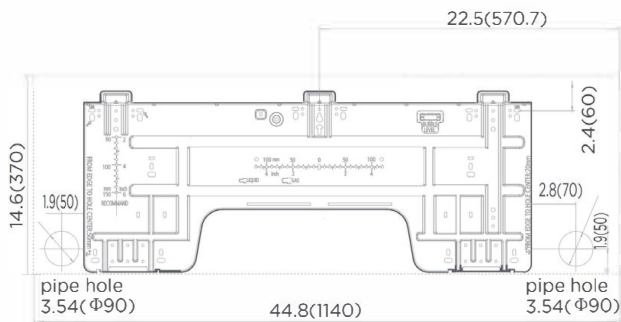
Installation Instruction



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.



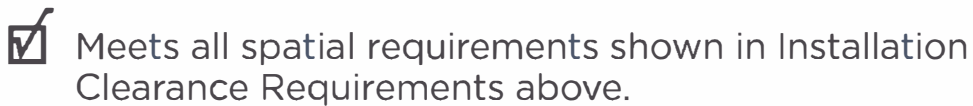
NOTE:
When the gas side connective pipe is Φ (5/8in) 16mm or more, the wall hole should be (3-1/2in) 90mm.

Outdoor Unit Dimension

Technical drawings of the outdoor unit showing dimensions in inches and millimeters:

- Front View:**
 - Top width: $40\frac{1}{2}$ in (1030mm)
 - Bottom width: $37\frac{1}{4}$ in (946mm)
 - Right side height: $26\frac{1}{2}$ in (673mm)
- Left Side View:**
 - Height: $31\frac{7}{8}$ in (810mm)
 - Bottom width: $16\frac{1}{8}$ in (410mm)
- Right Side View:**
 - Height: $17\frac{7}{8}$ in (455mm)
 - Bottom width: $15\frac{1}{4}$ in (386mm)
 - Bottom right corner detail: $2\frac{3}{8}$ in (60mm) and $4\frac{1}{4}$ in (108mm)
- Top View:**
 - Left side width: $17\frac{7}{8}$ in (455mm)
 - Bottom width: $15\frac{1}{4}$ in (386mm)
 - Right side width: $15\frac{7}{8}$ in (403mm)
 - Top left corner detail: $17\frac{7}{8}$ in (455mm) and $15\frac{1}{4}$ in (386mm)
 - Top center detail: $3\frac{1}{2}$ in (91mm)
 - Top right corner detail: $15\frac{7}{8}$ in (403mm)
- DETAIL A (SCALE 1:1):**
 - Top width: $2\frac{7}{8}$ in (73mm)
 - Bottom width: $7\frac{7}{8}$ in (24mm)
 - Radius: R10
 - Radius: R6

Installation Instruction	
1	Remove the top cover of the unit.
2	Connect the power cord to the power outlet.
3	Turn on the power switch.
4	Adjust the volume and tone controls.
5	Use the remote control to operate the unit.
6	Refer to the user manual for more details.



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*

*24V interface is required.