

R454b Refrigerant

SUBMITTAL DATA SHEET



Series Name: EP Xtreme Heat Series
Model Number: M5EHU-H12B-2A/MO1HS-H12B-2A

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 / 324 / 230 / 177 / 147
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	47 / 37 / 33 / 22 / 20
Dimension (W×D×H)	inch 31-3/8 x 8-7/8 x 11-5/8
	mm 795 x 225 x 295
Package (W×D×H)	inch 36-1/4 x 12-1/4 x 14-5/8
	mm 920 x 310 x 370
Net/Gross Weight	lbs 23 / 30
	kg 10.4 / 13.3

OUTDOOR SPECIFICATION

Compressor Type	ROTARY
Compressor Model	KTN110D42UFZ
Refrigerant	R454B
Refrigerant Oil Charge(mL)	350
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	1,471
Outdoor Noise Level (dBA)	56
Dimension (W×D×H)	inch 31-3/4 x 13 x 21-3/4
	mm 805 x 330 x 554
Package (W×D×H)	inch 36 x 14-5/8 x 24-1/2
	mm 915 x 370 x 615
Net/Gross Weight	lbs 73/79
	kg 33/35.7

EFFICIENCY

Cooling		Heating	
SEER2	25.4	HSPF2-4	10.5
EER2	13.4	COP	3.76

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	12,000
Min/Max Capacity	3,800~14,600
Moisture Removal(L/h)	1.2
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	12,000
1. @ 47°F Min/Max Capacity	3,800~16,000
2. @ 17°F Rated	9,800
3. @ 5°F Rated: Capacity / COP	11,500 / 1.80
3. @ 5°F Max: Capacity	11,500
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

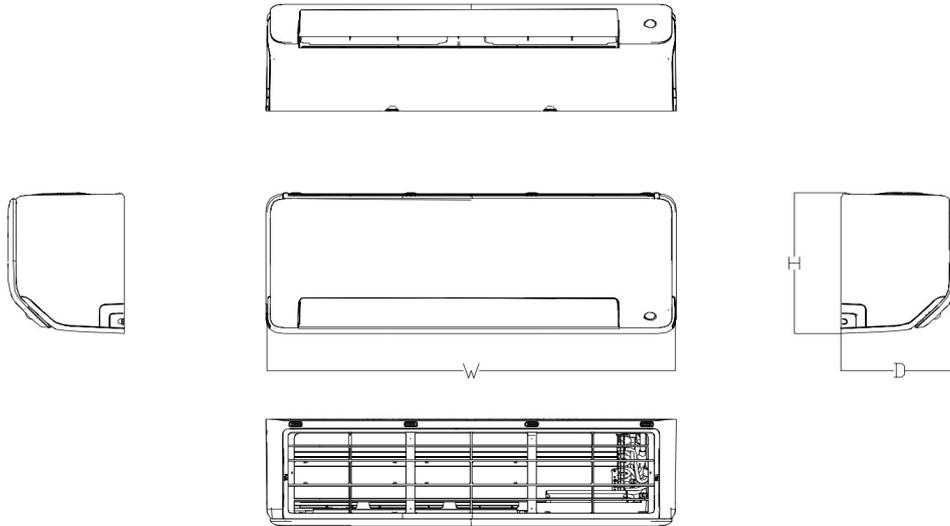
ELECTRICAL

Power Supply	208 / 230V,60Hz,1Ph
System MCA	15
Connection Wiring	AWG 14/4
System MOCP	15.0
Compressor RLA	11.6
Outdoor Fan Motor RLA	0.5
Outdoor Fan Motor W	34
Indoor Fan Motor RLA	0.5
Indoor Fan Motor W	20
System Power Input @ Cooling (W)	890 (127 ~ 1,250)
System Power Input @ Heating (W)	935 (225 ~ 1,400)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

PIPING

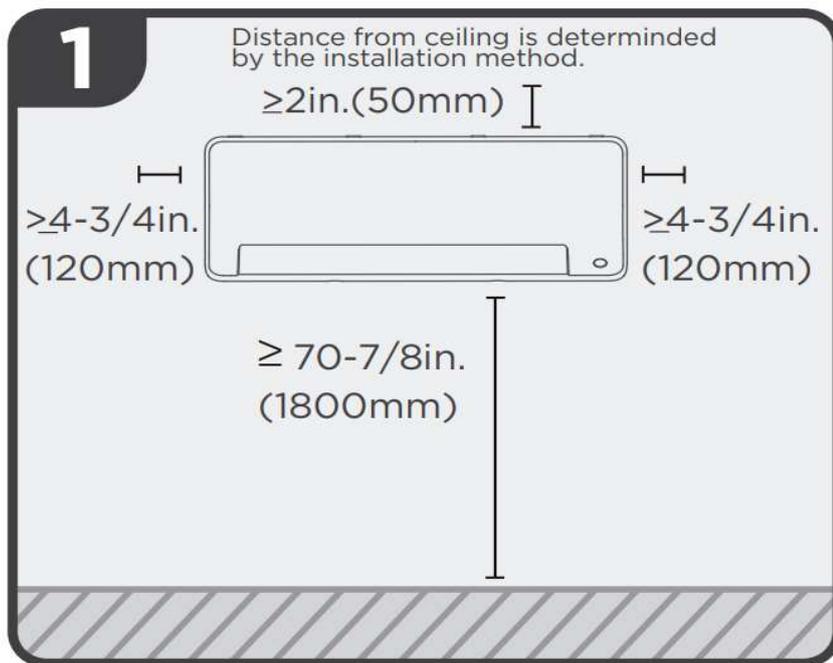
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV
Liquid Size	1/4" (6.35mm)
Gas Size	3/8" (9.52mm)
Max. Piping Length(ft/m)	82 (25)
Max. Height Difference(ft/m)	49 (15)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/g)	35 (1)
Additional Charge of Refrigerant((oz/ft)/(g/r	0.16 (15)
Connection Method	Flared

Indoor Unit Dimension



Capacity	Body Code	Unit	W	D	H
6k~12k	B	mm	795	225	295
		inch	31-3/8	8-7/8	11-5/8
12k~18k	C	mm	965	239	319
		inch	38	9-3/8	12-1/2
24k~36k	D	mm	1140	275	370
		inch	44-7/8	10-7/8	14-1/2

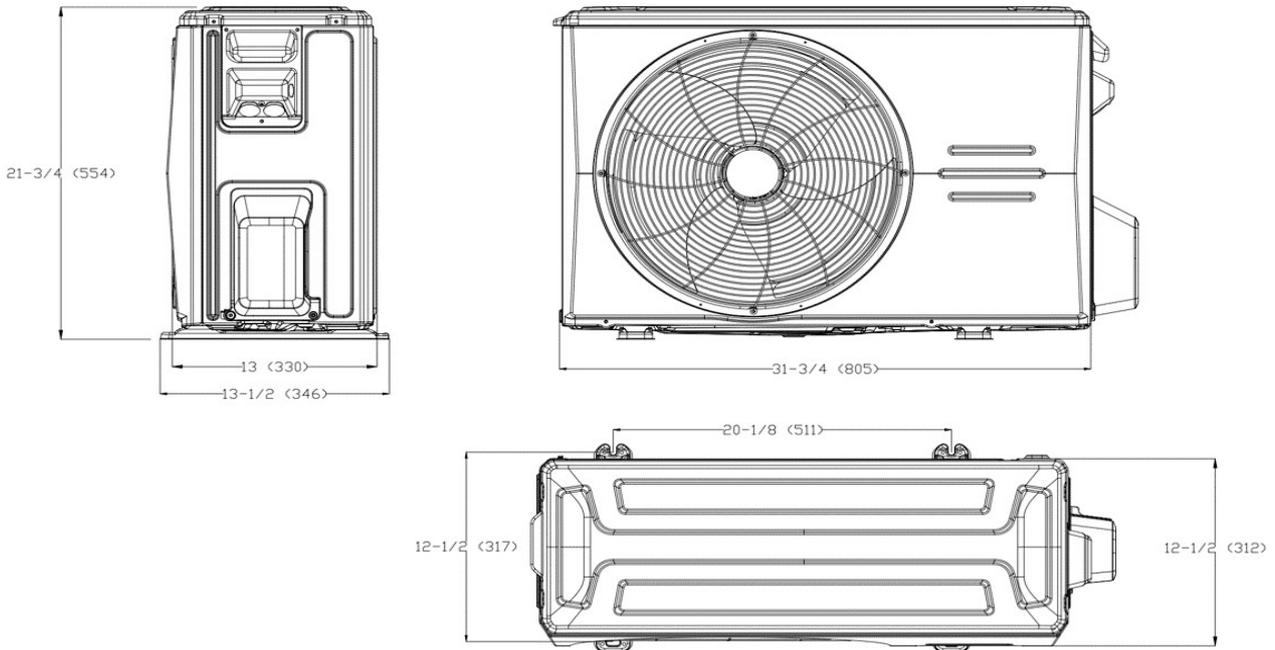
Installation Instruction



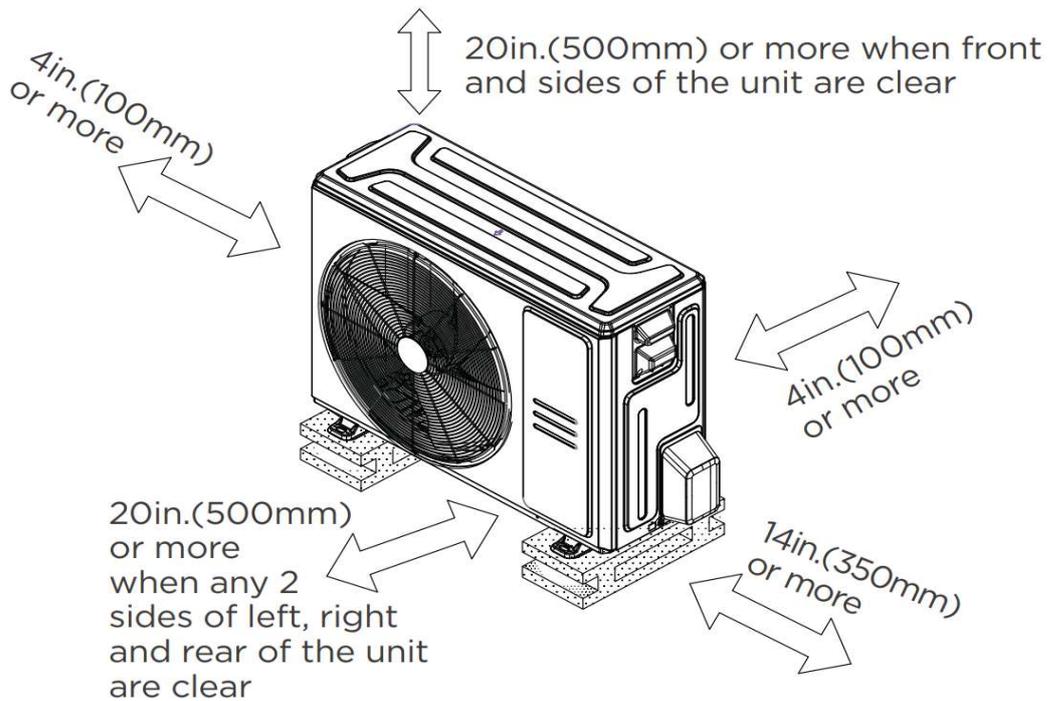
Select Installation Location

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction



FEATURES

- Intelligent eye
- 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 Wi-Fi: 120N (X6W)
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

*24V interface is required.