

# R454b Refrigerant

# SUBMITTAL DATA SHEET



Series Name: High Tier - All Easy Pro Extreme Heat Series  
 Model Number: MSEHU-H18B-2A/MO1HS-H18B-2A

### High Wall Mini Split 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)	636 / 500 / 359 / 294 / 294	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	49.5 / 45 / 38 / 31.5 / 19.5	
Dimension (WxDxH)	inch	38 x 9-3/8 x 12-1/2
	mm	965 x 239 x 319
Package (WxDxH)	inch	43-1/2 x 12-3/4 x 15-3/4
	mm	1,095 x 325 x 400
Net/Gross Weight	lbs	27 / 37
	kg	12.4 / 16.6

### OUTDOOR SPECIFICATION

Compressor Type	TWIN-ROTARY	
Compressor Model	KTM240D46UKT2	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	620	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	1,765	
Outdoor Noise Level (dBA)	59	
Dimension (WxDxH)	inch	35 x 13-1/2 x 26-1/2
	mm	890 x 342 x 673
Package (WxDxH)	inch	39-1/8 x 15-5/8 x 29-1/8
	mm	995 x 398 x 740
Net/Gross Weight	lbs	100/108
	kg	45.3/48.9

### EFFICIENCY

Cooling		Heating	
SEER2	21.4	HSPF2-4	11.0
EER2	12.5	COP	3.26

### PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	18,000
Min/Max Capacity	8,800~19,400
Moisture Removal(L/h)	2.2
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	18,000
1. @ 47°F Min/Max Capacity	11,200~19,500
2. @ 17°F Rated	16,600
3. @ 5°F Rated: Capacity / COP	18,000 / 1.92
3. @ 5°F Max: Capacity	18,000
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

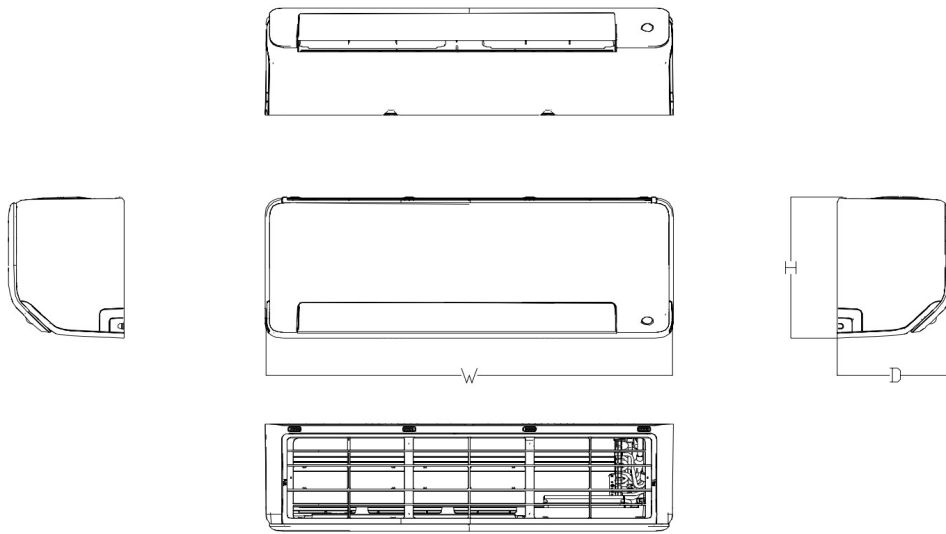
### ELECTRICAL

Power Supply	208 / 230V,60Hz,1Ph
System MCA	19
Connection Wiring	AWG 14/4
System MOCP	20.0
Compressor RLA	11.7
Outdoor Fan Motor RLA	0.9
Outdoor Fan Motor W	80
Indoor Fan Motor RLA	0.8
Indoor Fan Motor W	30
System Power Input @ Cooling (W)	1,440 (260 ~ 1,680)
System Power Input @ Heating (W)	1,620 (770 ~2,050)
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)
RLA: Rated load amps (A)	W: Fan motor rated output (W)

### PIPING

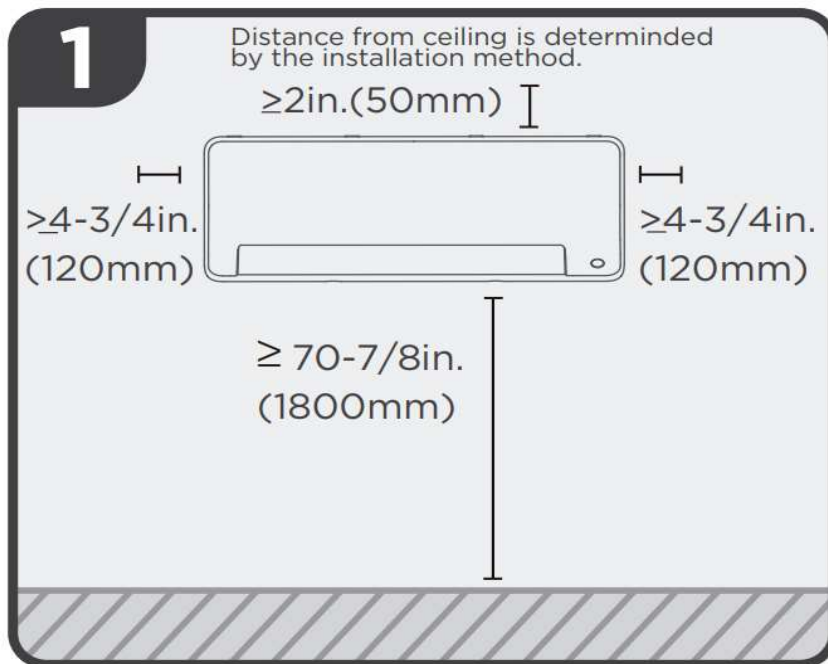
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	1/4" (6.35mm)
Gas Size	1/2" (12.7mm)
Max. Piping Length(ft/m)	98 (30)
Max. Height Difference(ft/m)	66 (20)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/g)	55 (1.57)
Additional Charge of Refrigerant((oz/ft)/(g/r	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
15k-18K	C	mm	965	239	319
		inch	38	9-3/8	12-1/2
24k-33K	D	mm	1140	275	370
		inch	44-7/8	10-7/8	14-1/2

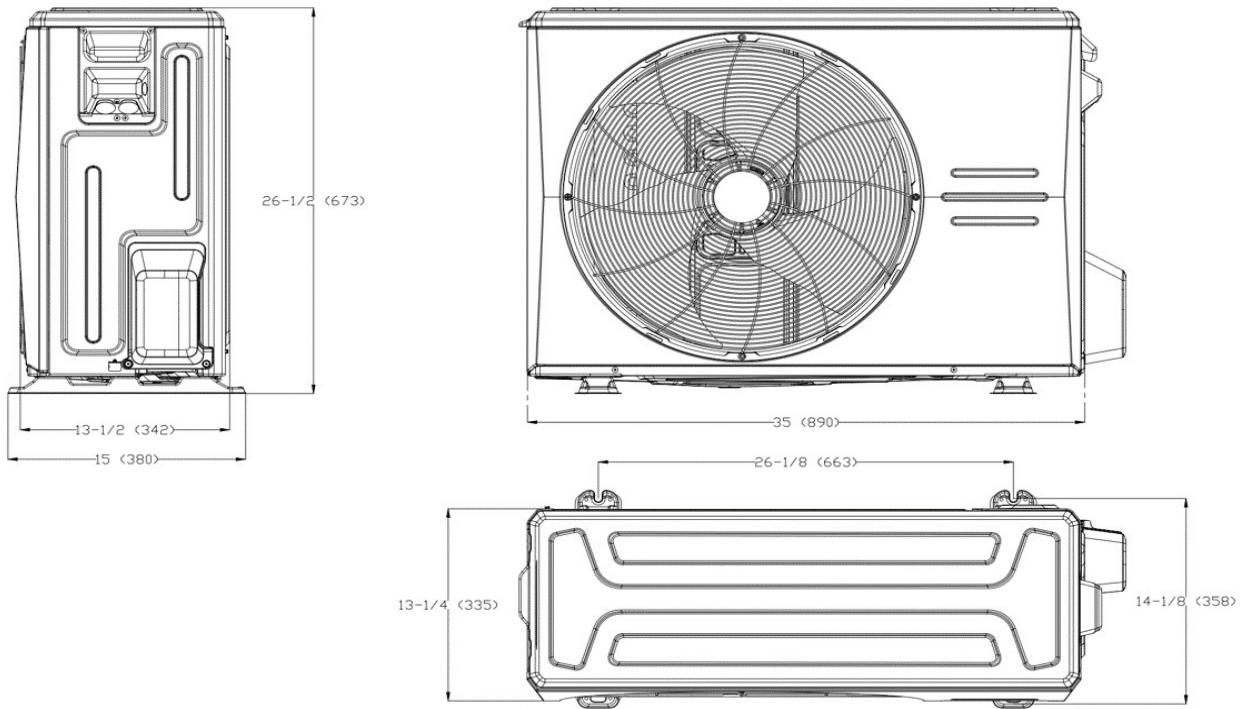
### Installation Instruction



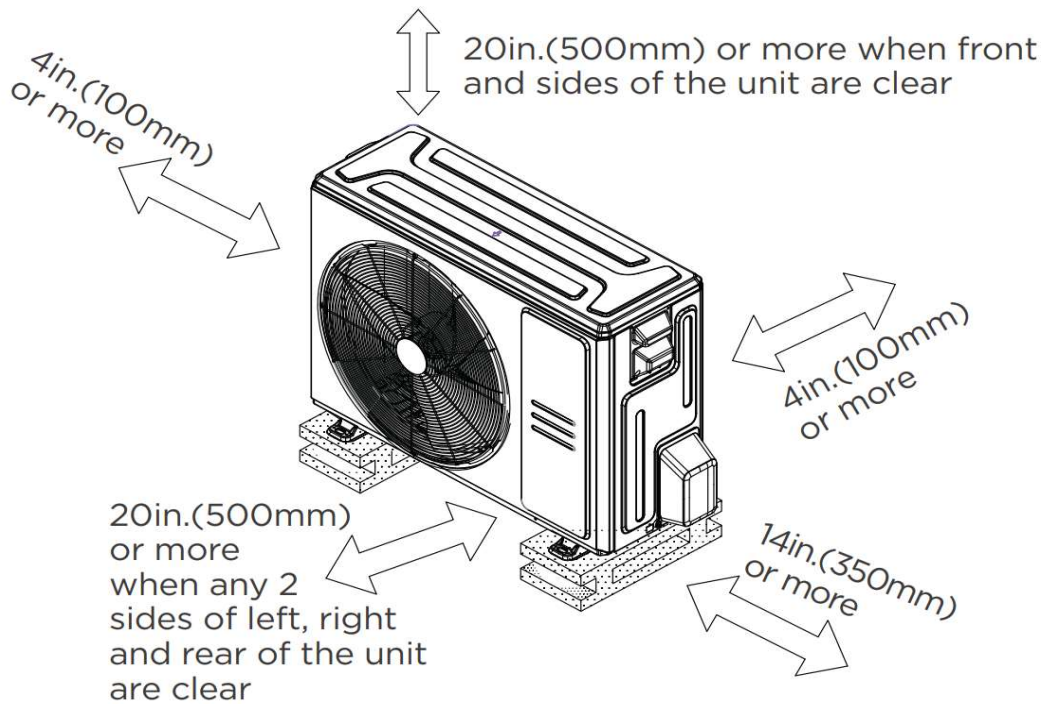
Select Installation Location

### 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:
  - Wireless remote controller RG10 (Built-In)
  - Two-way communication wired controller with built-in Wi-Fi:120N(X6W)
  - Midea Smart Thermostat: MTL04-1
  - Third-Party 24V Thermostat\*

\*Midea 24V Mini Interface Kit (17222000A68532) is required.