R454b
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Compact Round Flow Cassette Extreme Heat Series
Model Number: MCDHU-H24B-2A/MO1HS-H24B-2A

Midea

Compact Round Flow Cassette Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPEINDOOR SPECIFICATIONCIFICATION		
Indoor Air Flow (Turbo/H/M/L/Si) (CFM)		765 / 706 / 636 / 547 / 547
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)		48 / 45 / 42.5 / 33.5 / 29.5
Dimension (W×D×H)	inch	32-5/8 x 32-5/8 x 8-1/8
	mm	830 × 830 × 205
Package (W×D×H)	inch	35-7/8 x 35-7/8 x 9-7/8
	mm	910 × 910 × 250
Net/Gross Weight	lbs	47 / 59
	kg	21.4 / 26.8

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTM240D46UKT2
Refrigerant		R454B
Refrigerant Oil Charge(mL)		620
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2,237
Outdoor Noise Level (dBA)		61.5
Dimension (W×D×H)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1,090 × 500 × 885
Net/Gross Weight	lbs	130/141
	kg	59.1/64.1

EFFICIENCY			
Cooling		Heating	
SEER2	20.7	HSPF2-4	11.6
EER2	12	COP	3.54

ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	24.9
Connection Wiring	AWG 14/4
System MOCP	25.0
Compressor RLA	15.0
Outdoor Fan Motor RLA	1.3
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	45
System Power Input @ Cooling (W)	1,950 (960 ~ 2,300)
System Power Input @ Heating (W)	2,070 (690 ~ 2,490)
MCA: Min. circuit amps (A)	**MOCP**: Max. over current protection (A)
RLA: Rated load amps (A)	**W:** Fan motor rated output (W)

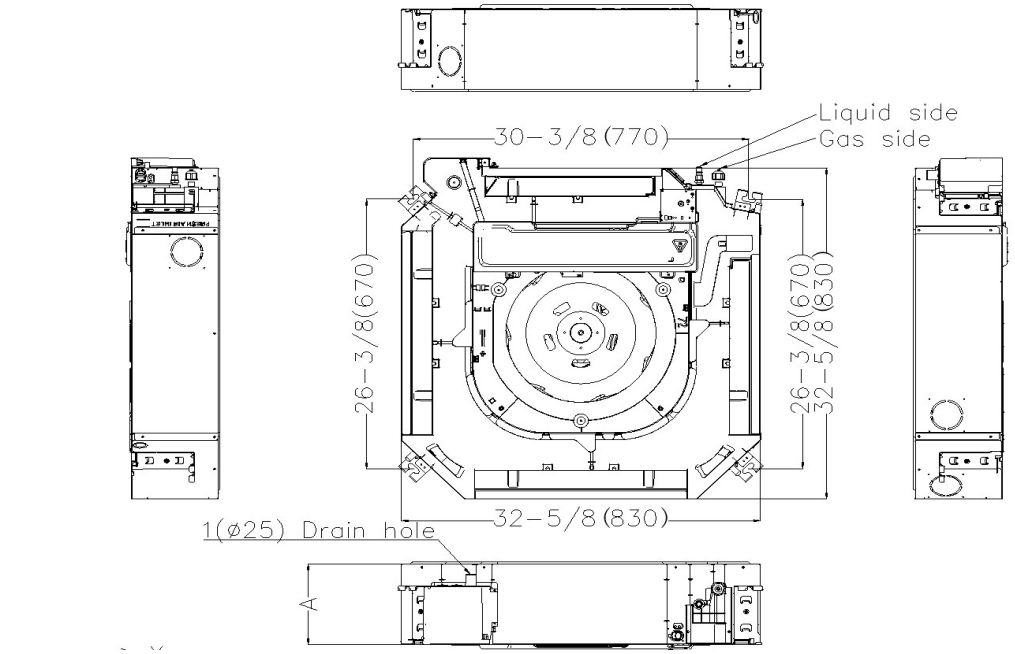
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	23,400
Min/Max Capacity	12,800 ~ 26,200
Moisture Removal(L/h)	2.36
Standard Operating Range(°F/°C)	-22 ~ 122 (-30 ~ 50)
Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

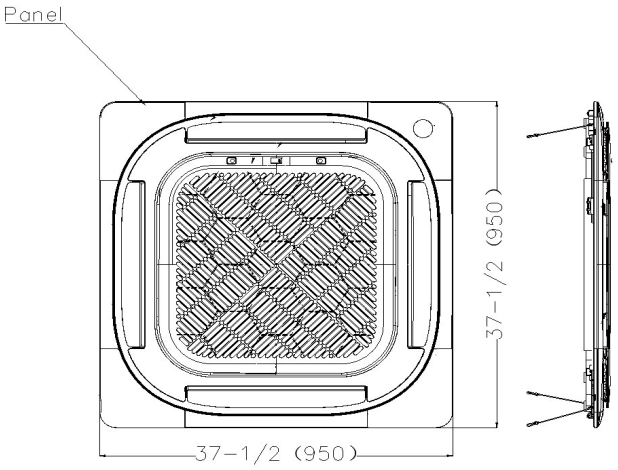
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	25,000
1. @ 47°F Min/Max Capacity	11,500 ~ 30,700
2. @ 17°F Rated	20,400
3. @ 5°F Rated: Capacity / COP	23,800/2.23
3. @ 5°F Max: Capacity	23,800
Standard Operating Range(°F/°C)	-22 ~ 75 (-30 ~ 24)
1. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 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

PIPING	
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	3/8" (9.52mm)
Gas Size	5/8" (15.9mm)
Max. Piping Length(ft/m)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	63 (1.80)
Additional Charge of Refrigerant((oz/ft)/(g/m	0.32 (30)
Connection Method	Flared

Indoor Unit Dimension

Unit: inch (mm)

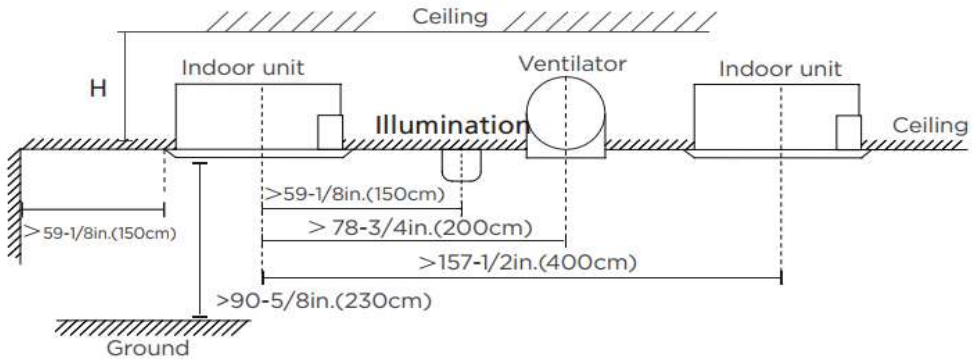


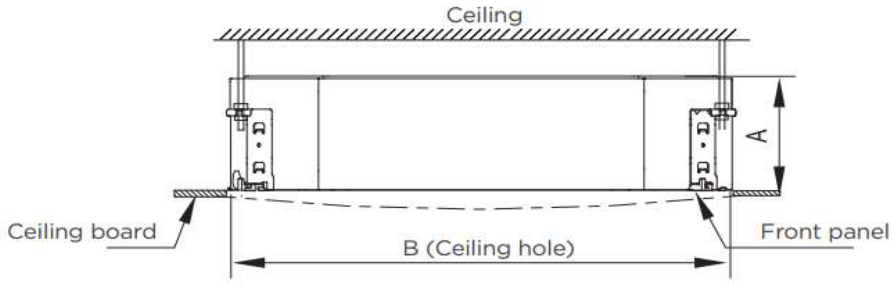


IMPORTANT NOTICE

* This compact round flow cassette unit requires the panel for complete installation. The unit is incomplete without the panel installed.
* Panel is sold separately.

Installation Instruction



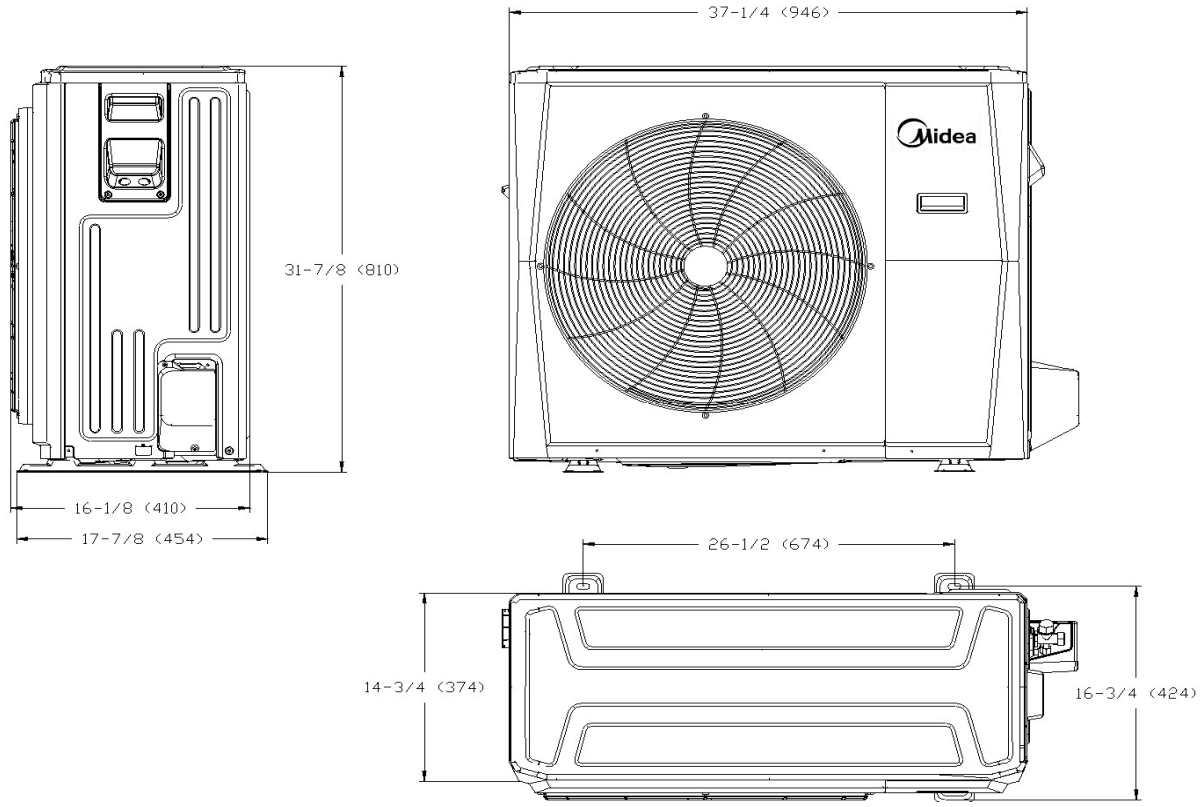


Distance from ceiling relative to height of indoor unit

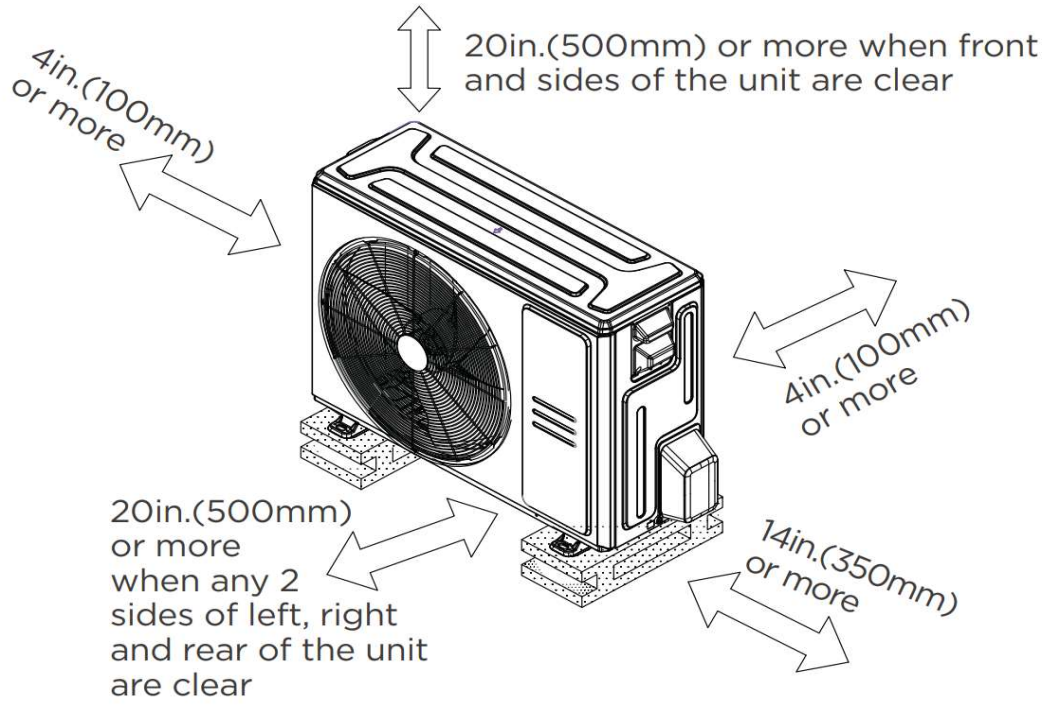
MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9-5/8 in.(245mm)	>10-3/4in.(275mm)	23-5/8in.(600mm)
24K	8 in.(205mm)	9 in.(230mm)	35-3/8 in.(900mm)
36K	9-5/8 in.(245mm)	10-3/4 in.(271mm)	
48K	11-1/4 in.(287mm)	12-1/4 in.(313mm)	

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction



FEATURES

- 360° Air Flow
- Built-in remote on-off and alarm ports
- Built-in Refrigerant Detection Sensor
- Built-in Humidity Sensor: Temperature & Humidity Control
- Built-in Drain Pump
- 1~100% fan speed setting
- Wi-Fi Capability: enabled through a wired controller that includes built-in Wi-Fi
- Multiple control options available:
  - ○ Wireless remote controller RG10 (Built-In)
  - ○ Two-way communication programmable wired controller with built-in Wi-Fi:120N(X6W)
  - ○ Midea Smart Thermostat
  - ○ Third-Party 24V Thermostat*
- Standard graphene fins, a standard feature of the outdoor unit, deliver superior corrosion resistance
- The outdoor unit comes standard with chassis and crankshaft electric heating.

*24V interface is required.