

R454b Refrigerant

SUBMITTAL DATA SHEET



Series Name: 4-Way Cassette Regular Series
Model Number: MCDHS-H36B-2A/MO1BU-H36B-2A

4-Way Cassette Regular 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)	1042 / 948 / 854 / 753 / 659	
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	54 / 53 / 47 / 40 / 37	
Dimension (WxDxH)	inch	32-5/8 x 32-5/8 x 9-5/8
	mm	830 x 830 x 245
Package (WxDxH)	inch	35-7/8 x 35-7/8 x 11-3/8
	mm	910 x 910 x 290
Net/Gross Weight	lbs	59 / 71
	kg	26.9 / 32.4

OUTDOOR SPECIFICATION

Compressor Type	ROTARY	
Compressor Model	KTF310D43UMT	
Refrigerant	R454B	
Refrigerant Oil Charge(mL)	1,000	
Refrigerant Oil	VG74	
Outdoor Air Flow (Max) (CFM)	2,413	
Outdoor Noise Level (dBA)	63.0	
Dimension (WxDxH)	inch	37-1/4 x 16-1/8 x 31-7/8
	mm	946 x 410 x 810
Package (WxDxH)	inch	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 x 500 x 885
Net/Gross Weight	lbs	152 / 162
	kg	69.1/73.7

EFFICIENCY

Cooling		Heating	
SEER2	20.0	HSPF2-4	10.3
EER2	9.6	COP	3.31

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	36,000
Min/Max Capacity	6,400~39,800
Moisture Removal(L/h)	4.23
Standard Operating Range(*F/*C)	-13~122 (-25 ~ 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	38,000
1. @ 47°F Min/Max Capacity	14,400~42,200
2. @ 17°F Rated	26,800
3. @ 5°F Rated: Capacity / COP	26,600/2.20
3. @ 5°F Max: Capacity	26,600
Standard Operating Range(*F/*C)	-13~75 (-25 ~ 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

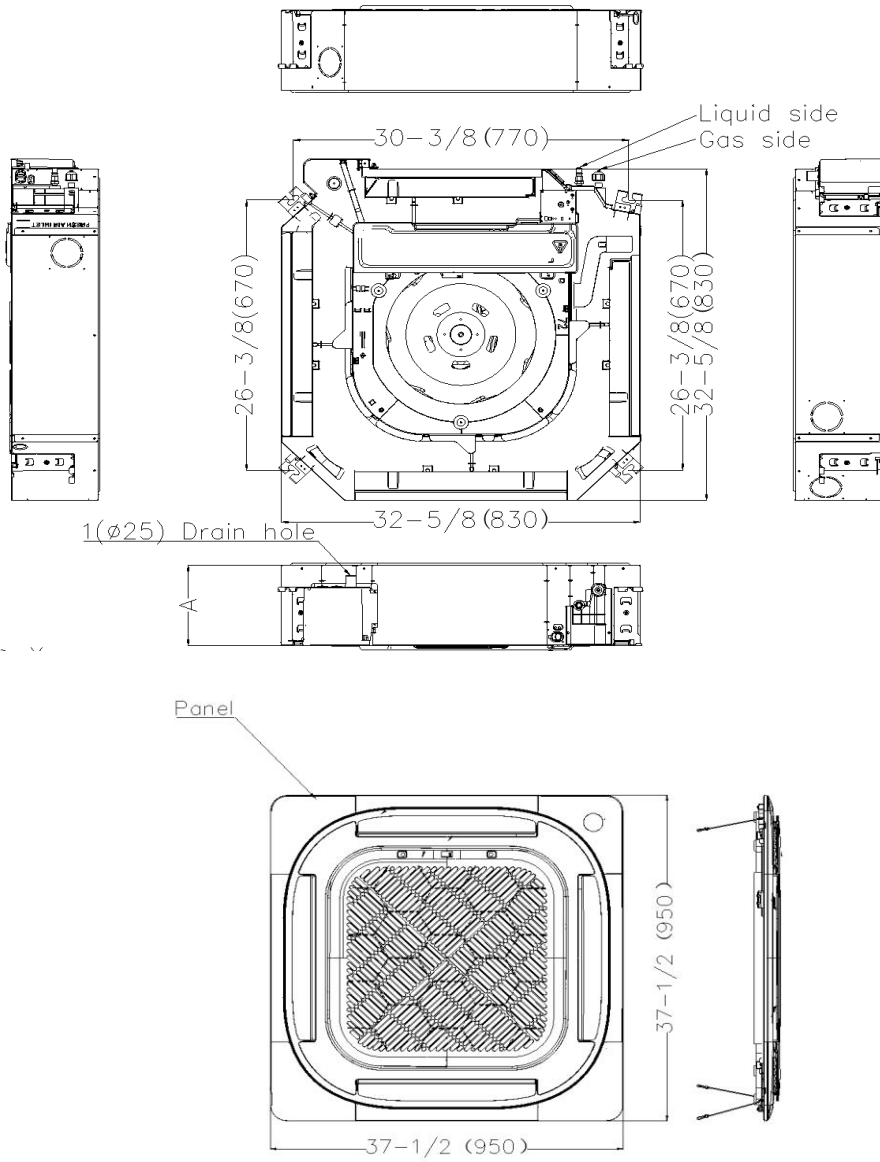
Power Supply	208/230V,60Hz,1Ph	
System MCA	33.0	
Connection Wiring	AWG 14/3	
System MOCP	35.0	
Compressor RLA	21.5	
Outdoor Fan Motor RLA	1.4	
Outdoor Fan Motor W	120	
Indoor Fan Motor RLA	1.0	
Indoor Fan Motor W	125	
System Power Input @ Cooling (W)	3,720 (560 ~ 4,360)	
System Power Input @ Heating (W)	3,365 (840 ~3,580)	
MCA: Min. circuit amps (A)	MOCP: Max. over current protection (A)	
RLA: Rated load amps (A)	W: Fan motor rated output (W)	

PIPING

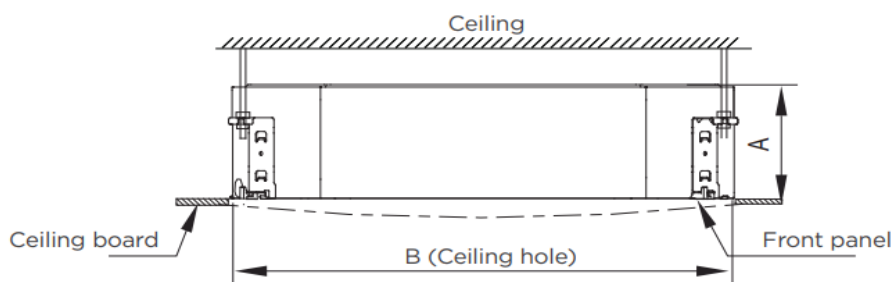
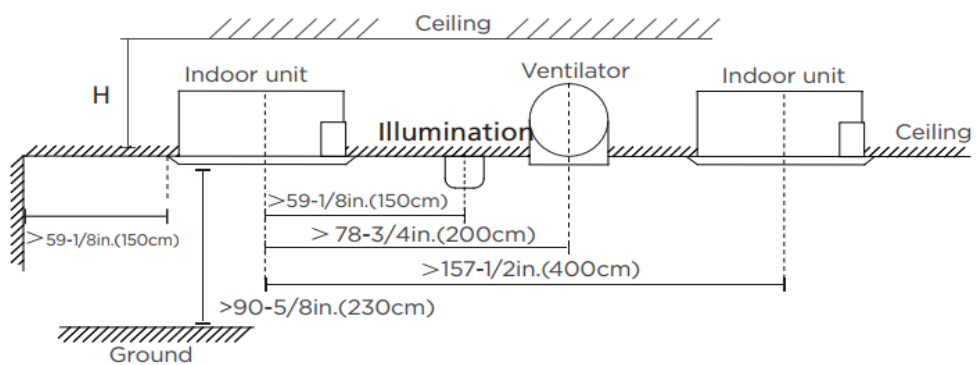
Throttle type(Indoor)	N/A
Throttle type(Outdoor)	EXV+Throttle valve
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	246 (75)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	92 (2.6)
Additional Charge of Refrigerant((oz/ft)/(g/m)	0.32 (30)
Connection Method	Flared

Indoor Unit Dimension

Unit: inch (mm)



Installation Instruction

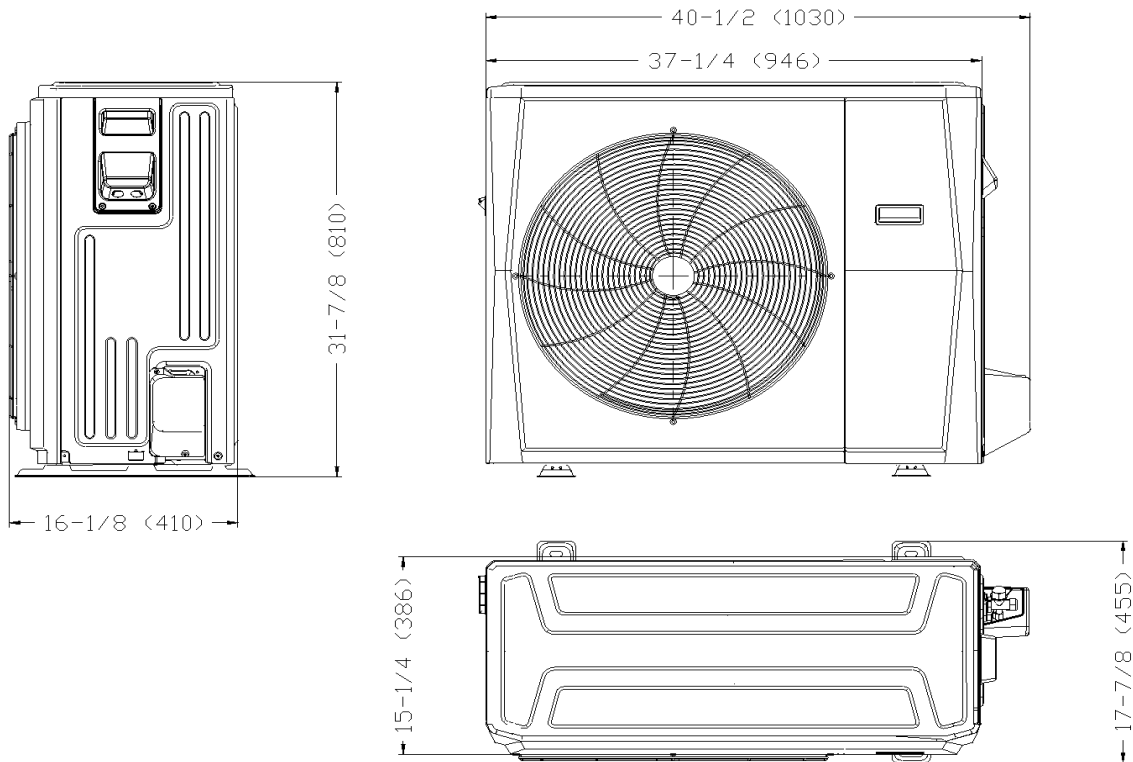


Distance from ceiling relative to height of indoor unit

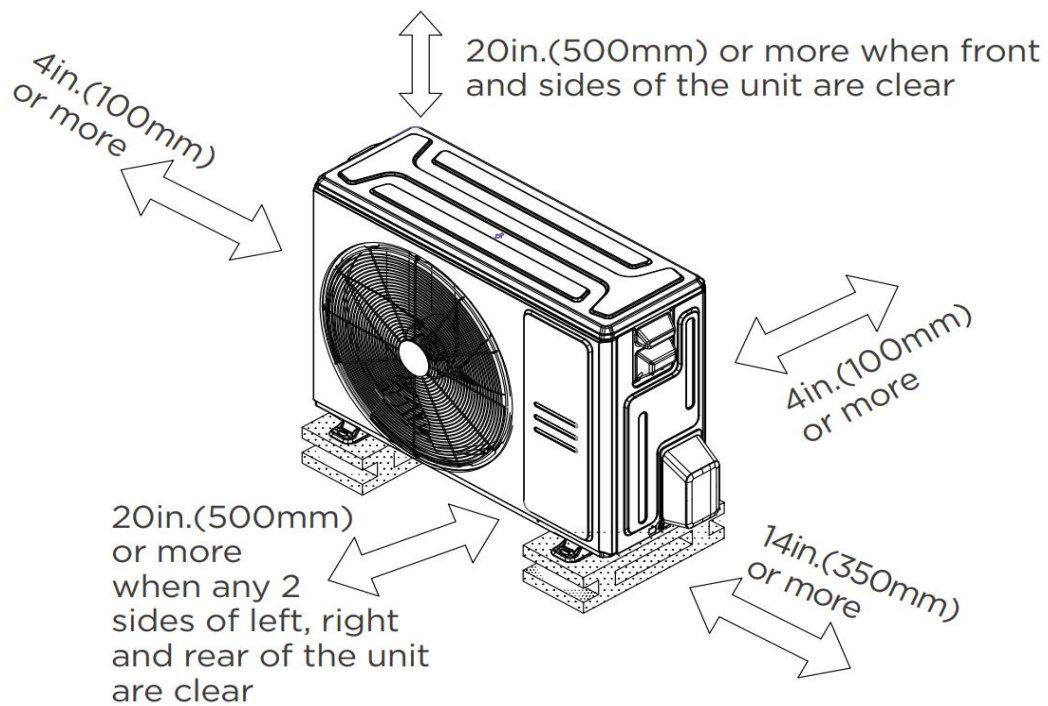
MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9-5/8 in.(245mm)	>10-3/4 in.(275mm)	23-5/8 in.(600mm)
24K	8 in.(205mm)	9 in.(230mm)	35-3/8 in.(900mm)
36K	9-5/8 in.(245mm)	10-3/4 in.(271mm)	
48K	11-1/4 in.(287mm)	12-1/4 in.(313mm)	

Outdoor Unit Dimension

Unit: inch (mm)



Installation Instruction



FEATURES

- 360° Air Flow
- Remote on-off and alarm ports
- Refrigerant leakage detection sensor(Optional)
- Humidity sensor
- Built-in pump
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- 2-pin connector(HA/HB) for programmable wired controller
- 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.

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