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 (W×D×H)	**inch**	32-5/8 x 32-5/8 x 9-5/8
	mm	830 × 830 × 245
Package (W×D×H)	**inch**	35-7/8 x 35-7/8 x 11-3/8
	mm	910 × 910 × 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 (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	1090 × 500 × 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/℃)	-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

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)

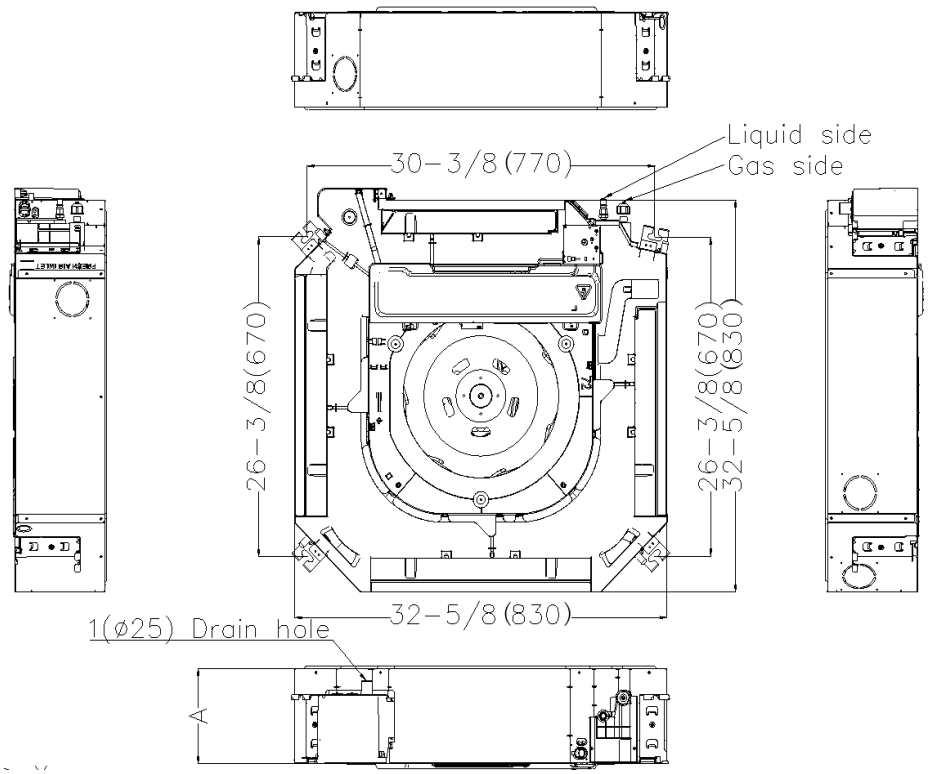
PIPING	
Throttle type(Indoor)	N/A

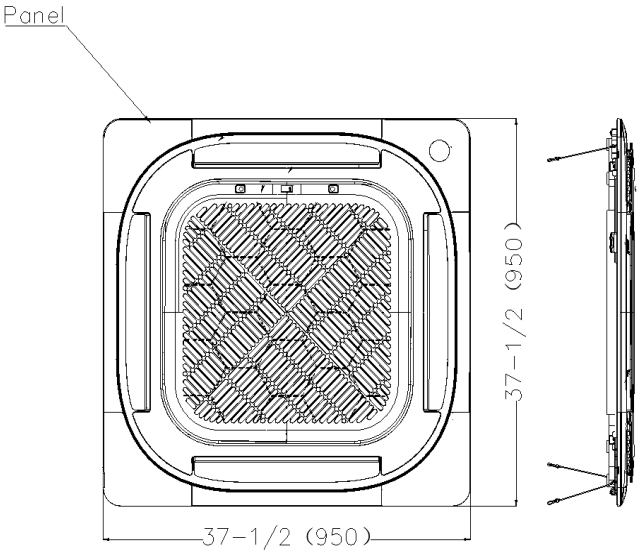
2. @ 17℉ Rated	26,800
3. @ 5℉ Rated: Capacity / COP	26,600/2.20
3. @ 5℉ Max: Capacity	26,600
Standard Operating Range(℉/℃)	-13~75 (-25～24)
1. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Conditions	Indoor: 70°F DB/60°F WB
	Outdoor: 5°F DB/5°F WB

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)
dditional Charge of Refrigerant((oz/ft)/(g/m	0.32 (30)
Connection Method	Flared

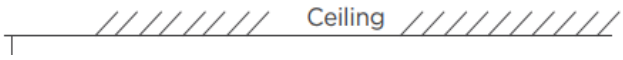
Indoor Unit Dimension

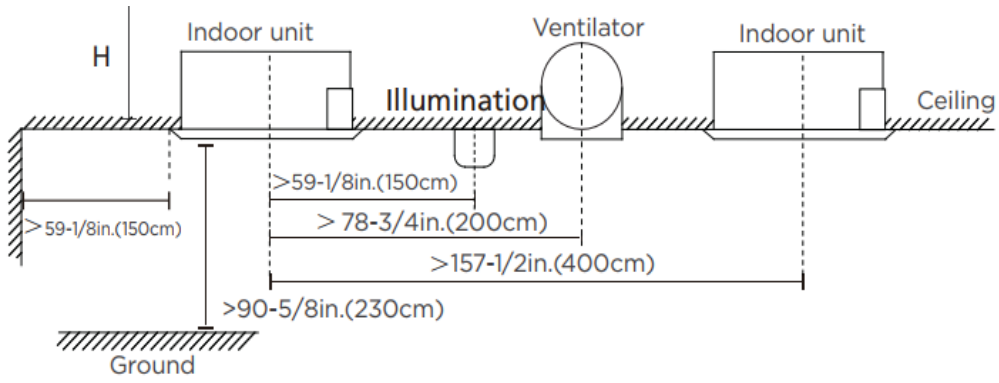
Unit: inch (mm)

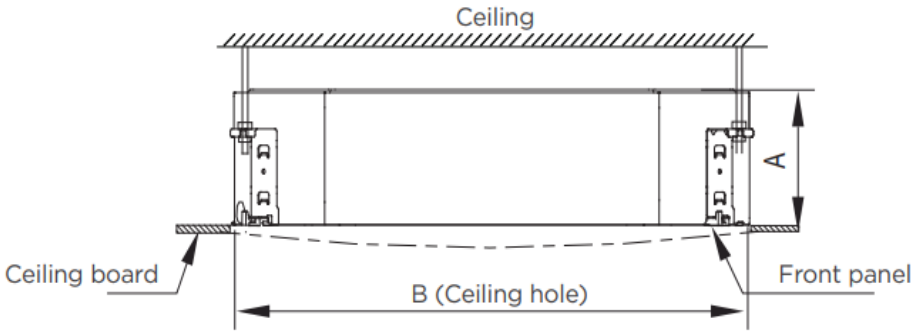




Installation Instruction





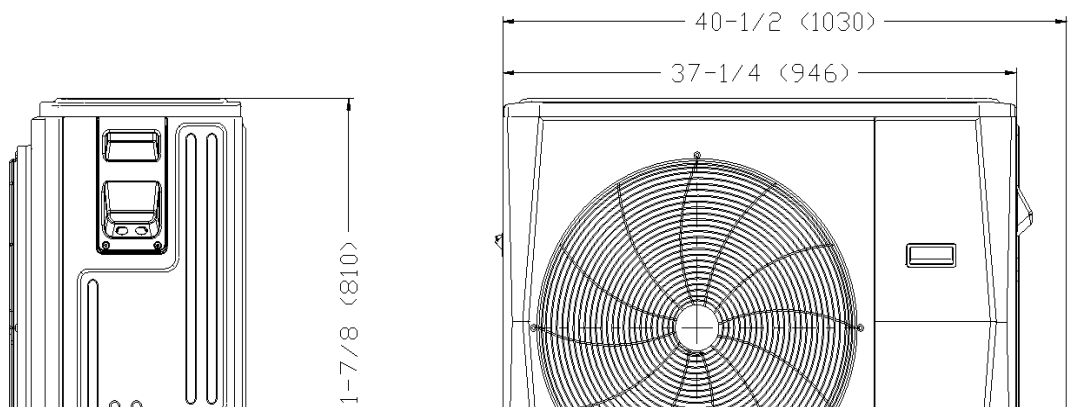


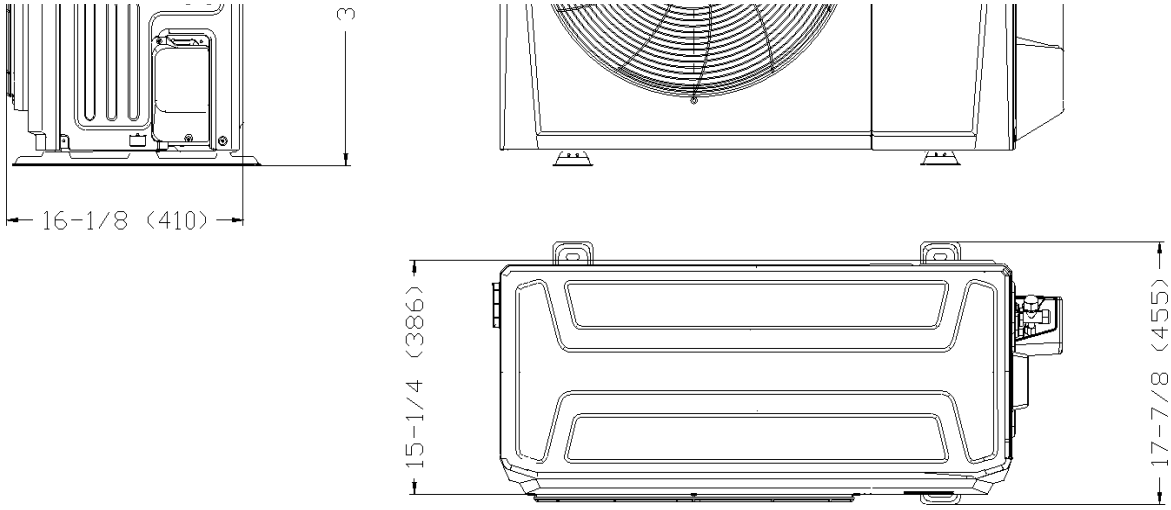
Distance from ceiling relative to height of indoor unit

MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9-5/8 in.(245mm)	>10-3/4in.(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

