

SUBMITTAL DATA SHEET

Series Name: 4-Way Cassette Energy Star Series
Model Number: CA24H52SZMI/SZ24H52SZMO



4-Way Cassette 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)	765.2 / 706.3 / 635.7 / 547.4 / N/A
Indoor Noise Level (Turbo/H/M/L/Si) (dBA)	N/A/45.5/43.0/33.5/30.5
Dimension (W×D×H)	inch 32.68 x 32.68 x 8.07
Package (W×D×H)	inch 35.83 x 35.83 x 9.84
Net/Gross Weight	lbs 47.18/59.08

OUTDOOR SPECIFICATION	
Compressor Type	ROTARY
Compressor Model	KTM240D46UKT2
Refrigerant	R454B
Refrigerant Oil Charge(mL)	620
Refrigerant Oil	VG74
Outdoor Air Flow (Max) (CFM)	2236.7
Outdoor Noise Level (dBA)	59.5
Dimension (W×D×H)	inch 37.24 x 16.14 x 31.89
Package (W×D×H)	inch 42.91 x 19.68 x 34.84
Net/Gross Weight	lbs 122.13/132.28

EFFICIENCY			
Cooling		Heating	
SEER2	22	HSPF2-4	10.5
EER2	12.0	COP	3.20

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	24000
Min/Max Capacity	12300~26800
Moisture Removal(L/h)	2.56
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	25000
1. @ 47°F Min/Max Capacity	11600~33100
2. @ 17°F Rated	20500
3. @ 5°F Rated: Capacity / COP	18500/2.30
3. @ 5°F Max: Capacity	18500
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

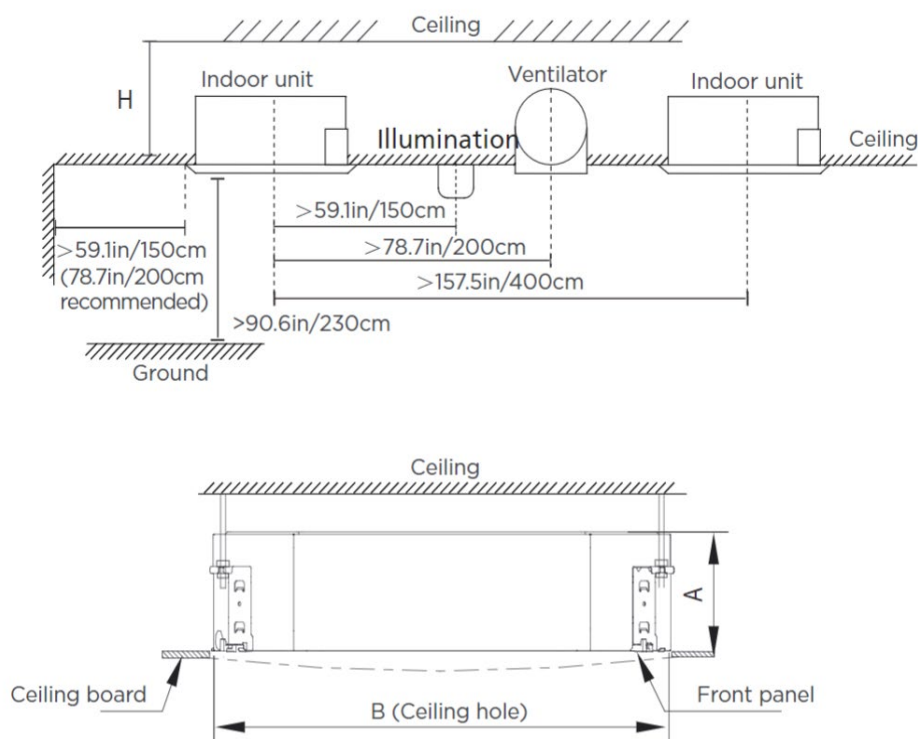
ELECTRICAL	
Power Supply	208/230V,60Hz,1Ph
System MCA	24.00
Connection Wiring	14#x4
System MOCP	25
Compressor RLA	15.4
Outdoor Fan Motor RLA	1.0
Outdoor Fan Motor W	120
Indoor Fan Motor RLA	1.0
Indoor Fan Motor W	45
System Power Input @ Cooling (W)	2000(910 ~ 2570)
System Power Input @ Heating (W)	2268(640 ~2830)
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	9.52mm(3/8in)
Gas Size	15.9mm(5/8in)
Max. Piping Length(ft/m)	164.00(50)
Max. Height Difference(ft/m)	82.00(25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	70.55(2.00)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.32(30)
Connection Method	Flared

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*

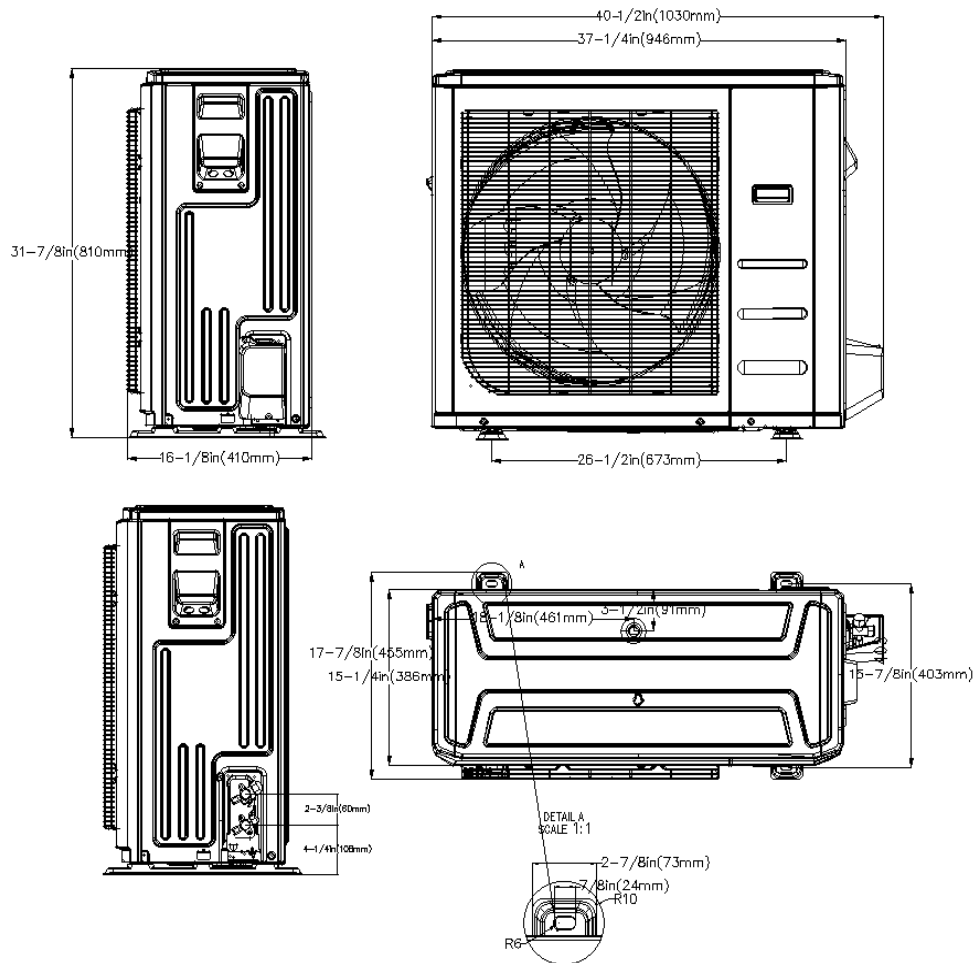
Installation Instruction



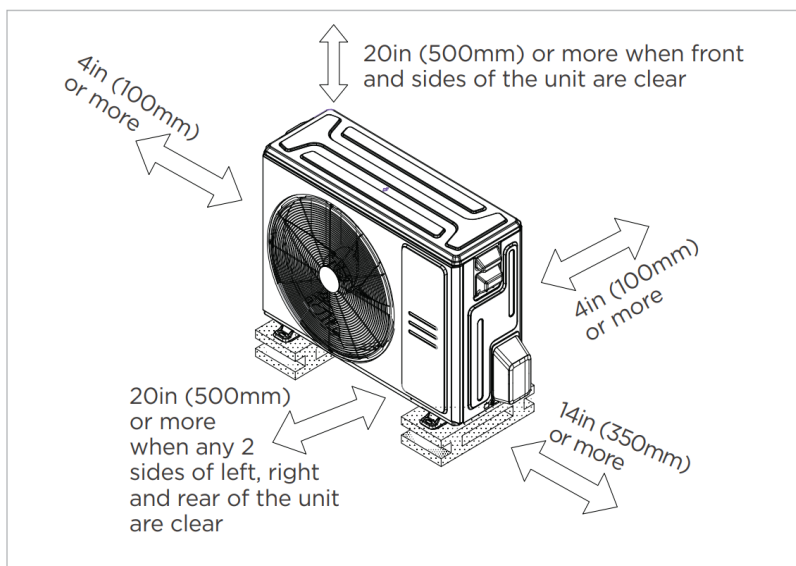
Distance from ceiling relative to height of indoor unit

MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9.6in (245mm)	>10.8in (275mm)	23.6in (600mm)
24K	8.03in (205mm)	9.06in (230mm)	35.4in (900mm)
36K	9.65in (245mm)	10.7in (271mm)	
48K	11.3in (287mm)	12.3in (313mm)	

Outdoor Unit Dimension



Installation Instruction



☒ Meets all spatial requirements shown in Installation Clearance Requirements above.

