

**4-Way Cassette Heat Pump System**

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



**INDOOR SPEINDOOR SPECIFICATIONCIFICATION**

<b>Indoor Air Flow (Turbo/H/M/L/Si) (CFM)</b>	447.3 / 388.5 / 317.8 / 194.2 / 147.2	
<b>Indoor Noise Level (Turbo/H/M/L/Si) (dBA)</b>	48/44.5/41.0/27.5/23.5	
<b>Dimension (W×D×H)</b>	inch	22.44 x 22.44 x 9.65
	mm	570.0×570.0×245.0
<b>Package (W×D×H)</b>	inch	28.15 x 25.20 x 11.61
	mm	715×640×295
<b>Net/Gross Weight</b>	lbs	35.27/41.89
	kg	16.0/19.0

**OUTDOOR SPECIFICATION**

<b>Compressor Type</b>	ROTARY	
<b>Compressor Model</b>	KTM240D46UKT2	
<b>Refrigerant</b>	R454B	
<b>Refrigerant Oil Charge(mL)</b>	620	
<b>Refrigerant Oil</b>	VG74	
<b>Outdoor Air Flow (Max) (CFM)</b>	1765.8	
<b>Outdoor Noise Level (dBA)</b>	57.5	
<b>Dimension (W×D×H)</b>	inch	35.04 x 13.46 x 26.50
	mm	890.0×342.0×673.0
<b>Package (W×D×H)</b>	inch	39.17 x 15.67 x 29.13
	mm	995×398×740
<b>Net/Gross Weight</b>	lbs	99.87/107.80
	kg	45.3/48.9

**EFFICIENCY**

Cooling		Heating	
<b>SEER2</b>	20.0	<b>HSPF2-4</b>	12.3
<b>EER2</b>	12.5	<b>COP</b>	3.18

**PERFORMANCE of Cooling**

Cooling (Btu/hr)	
<b>Rated Capacity</b>	16000
<b>Min/Max Capacity</b>	7000~18500
<b>Moisture Removal(L/h)</b>	2.00
<b>Standard Operating Range(°F/°C)</b>	-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)	
<b>1. @ 47°F Rated</b>	19000
<b>1. @ 47°F Min/Max Capacity</b>	8700~20000
<b>2. @ 17°F Rated</b>	14900
<b>3. @ 5°F Rated: Capacity / COP</b>	17000/1.90
<b>3. @ 5°F Max: Capacity</b>	17000
<b>Standard Operating Range(°F/°C)</b>	-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

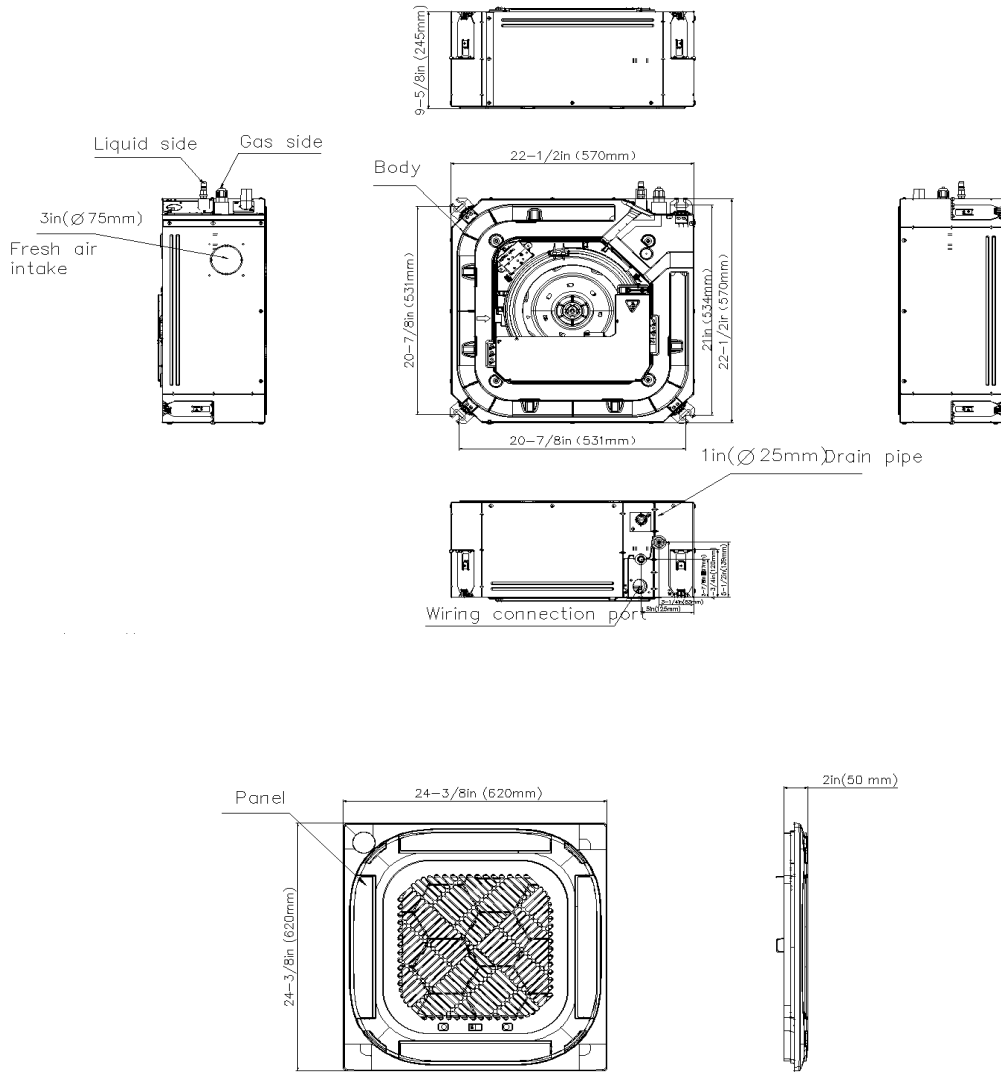
**ELECTRICAL**

<b>Power Supply</b>	208/230V,60Hz,1Ph
<b>System MCA</b>	19.00
<b>Connection Wiring</b>	14#x4
<b>System MOCP</b>	20
<b>Compressor RLA</b>	11.7
<b>Outdoor Fan Motor RLA</b>	0.9
<b>Outdoor Fan Motor W</b>	80
<b>Indoor Fan Motor RLA</b>	1.0
<b>Indoor Fan Motor W</b>	45
<b>System Power Input @ Cooling (W)</b>	1280(320 ~ 1640)
<b>System Power Input @ Heating (W)</b>	1750(500 ~1950)
<b>MCA: Min. circuit amps (A)</b>	<b>MOCP: Max. over current protection (A)</b>
<b>RLA: Rated load amps (A)</b>	<b>W: Fan motor rated output (W)</b>

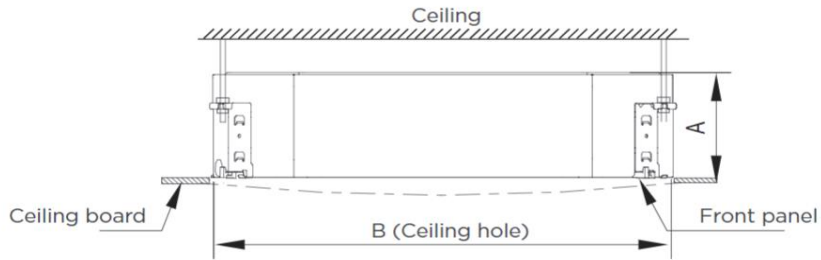
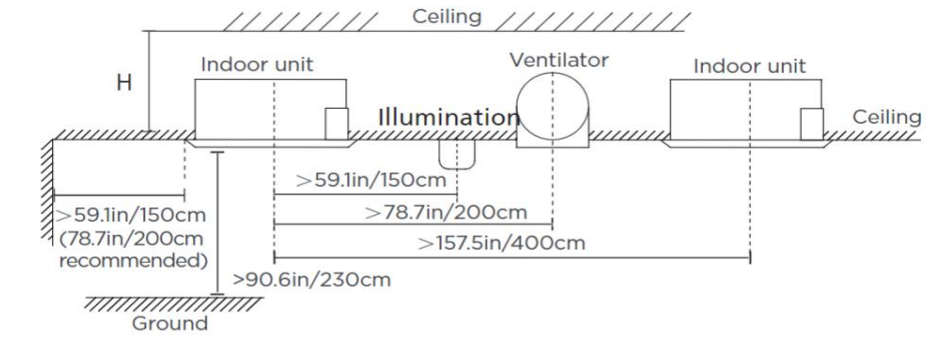
**PIPING**

<b>Throttle type(Indoor)</b>	N/A
<b>Throttle type(Outdoor)</b>	EXV+Throttle valve
<b>Liquid Size</b>	6.35mm(1/4in)
<b>Gas Size</b>	12.7mm(1/2in)
<b>Max. Piping Length(ft/m)</b>	98.40(30)
<b>Max. Height Difference(ft/m)</b>	65.60(20)
<b>Max. Pre-charged Length(ft/m)</b>	24.6(7.5)
<b>Refrigerant Pre-charged Amount(oz/kg)</b>	55.38(1.57)
<b>Additional Charge of Refrigerant((oz/ft)/(g/m))</b>	0.16(15)
<b>Connection Method</b>	Flared

### Indoor Unit Dimension



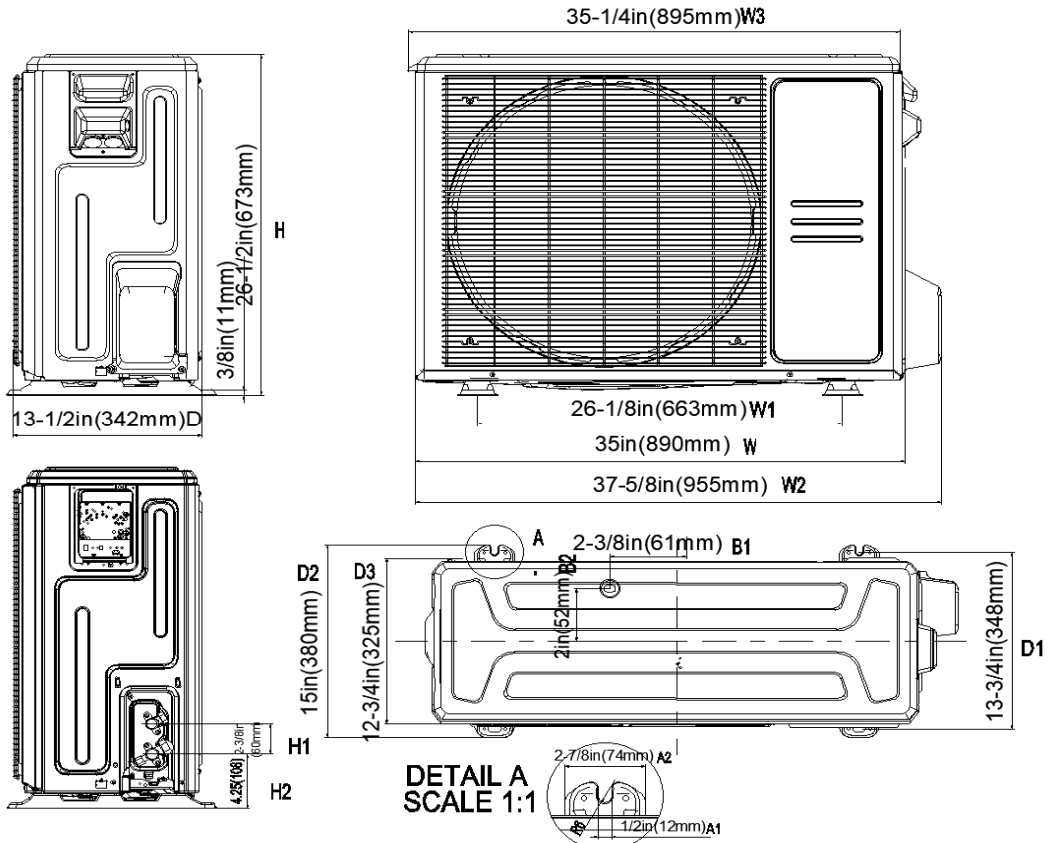
## Installation Instruction



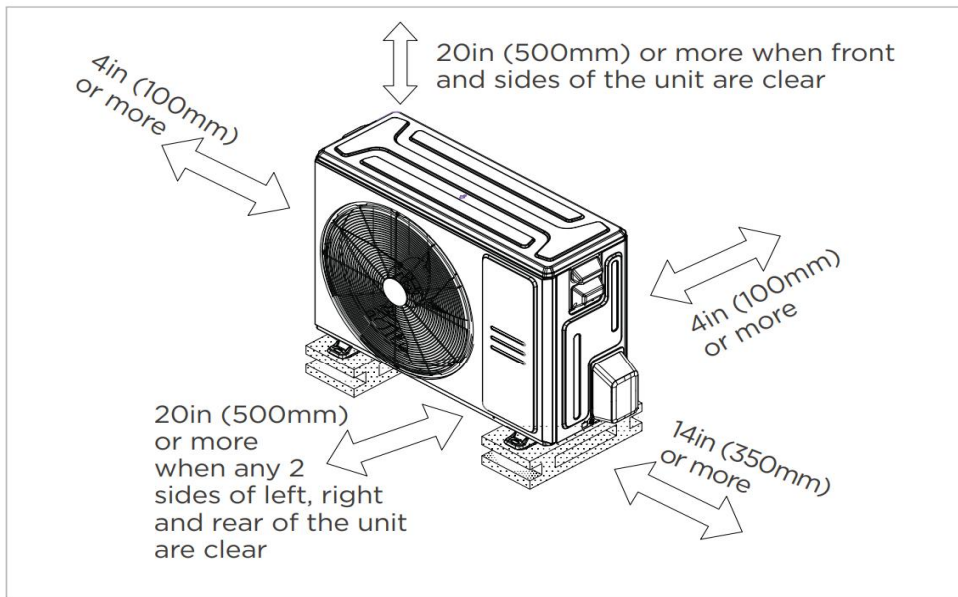
**Distance from ceiling relative to height of indoor unit**

MODEL	Length of A	Length of H	Length of B
9K/12K/18K	9.6in (245mm)	$>10.8\text{in}$ (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.

## 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 with built-in WiFi:AWC-8P-LC-WIFI
  - Infrared wired controller: AWC-4
  - Wireless remote controller
  - Third-Party 24V Thermostat

\*24V interface is required.