

4-Way 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) | 765.2 / 706.3 / 635.7 / 547.4 / N/A | |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) | 48.5/45.0/42.5/33.5/N/A | |
| Dimension (W×D×H) | inch | 32.68 x 32.68 x 8.07 |
| | mm | 830.0×830.0×205.0 |
| Package (W×D×H) | inch | 35.83 x 35.83 x 9.84 |
| | mm | 910×910×250 |
| Net/Gross Weight | lbs | 47.18/59.08 |
| | 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) | 2236.7 | |
| Outdoor Noise Level (dBA) | 61.5 | |
| Dimension (W×D×H) | inch | 37.24 x 16.14 x 31.89 |
| | mm | 946.0×410.0×810.0 |
| Package (W×D×H) | inch | 42.91 x 19.68 x 34.84 |
| | mm | 1090×500×885 |
| Net/Gross Weight | lbs | 130.29/141.31 |
| | kg | 59.1/64.1 |

EFFICIENCY

| Cooling | | Heating | |
|---------|------|---------|------|
| SEER2 | 20.7 | HSPF2-4 | 11.6 |
| EER2 | 12.0 | COP | 3.54 |

PERFORMANCE of Cooling

| Cooling (Btu/hr) | |
|---------------------------------|---|
| Rated Capacity | 23500 |
| Min/Max Capacity | 12800~26200 |
| 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 | 25000 |
| 1. @ 47°F Min/Max Capacity | 11500~30700 |
| 2. @ 17°F Rated | 20400 |
| 3. @ 5°F Rated: Capacity / COP | 23800/2.23 |
| 3. @ 5°F Max: Capacity | 23800 |
| 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 |

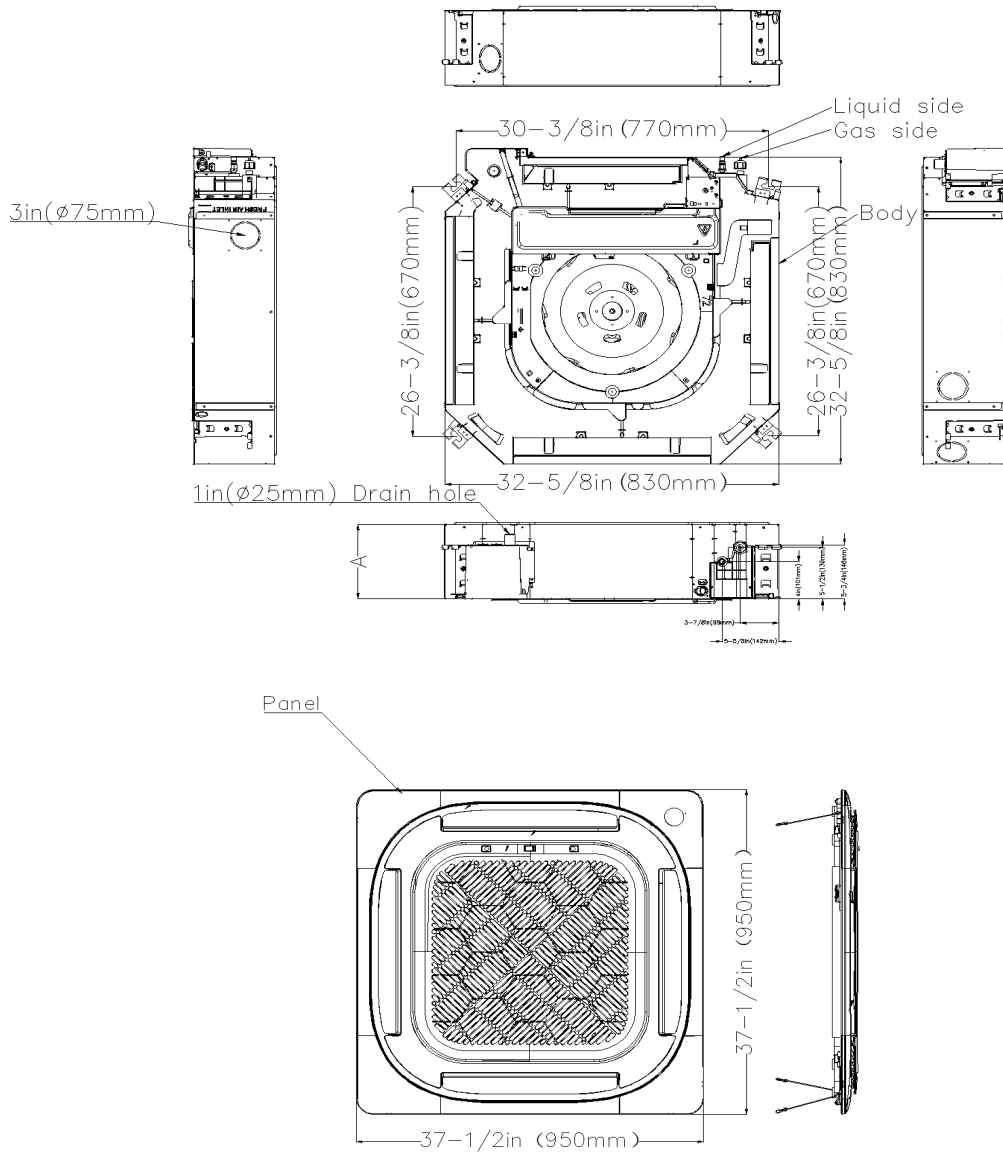
ELECTRICAL

| | |
|----------------------------------|--|
| Power Supply | 208/230V,60Hz,1Ph |
| System MCA | 24.90 |
| Connection Wiring | 14#x4 |
| System MOCP | 25 |
| 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) | 1958(960 ~ 2300) |
| System Power Input @ Heating (W) | 2070(695 ~ 2490) |
| MCA: Min. circuit amps (A) | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A) | W: Fan motor rated output (W) |

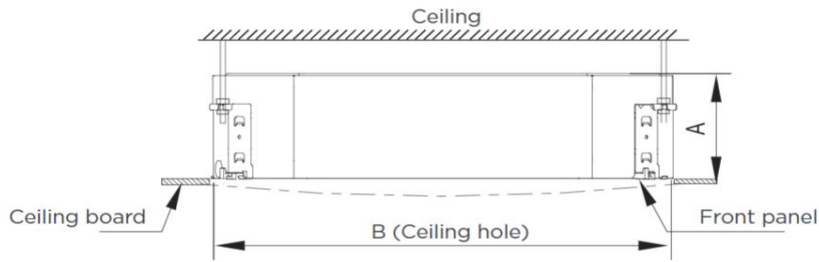
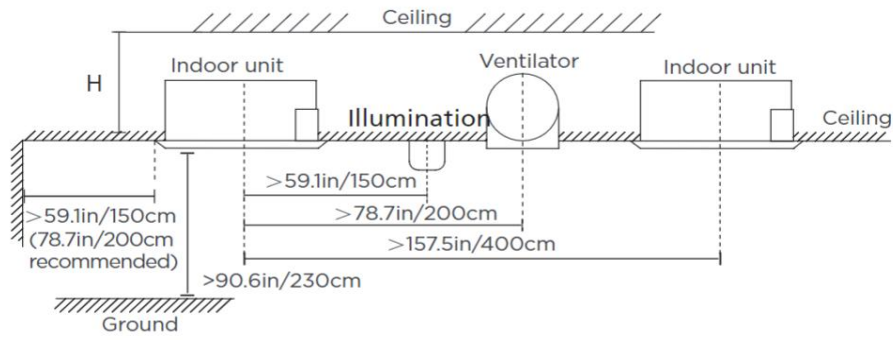
PIPING

| | |
|---|--------------------|
| 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) | 63.49(1.80) |
| Additional Charge of Refrigerant((oz/ft)/(g/m)) | 0.32(30) |
| Connection Method | Flared |

Indoor Unit Dimension



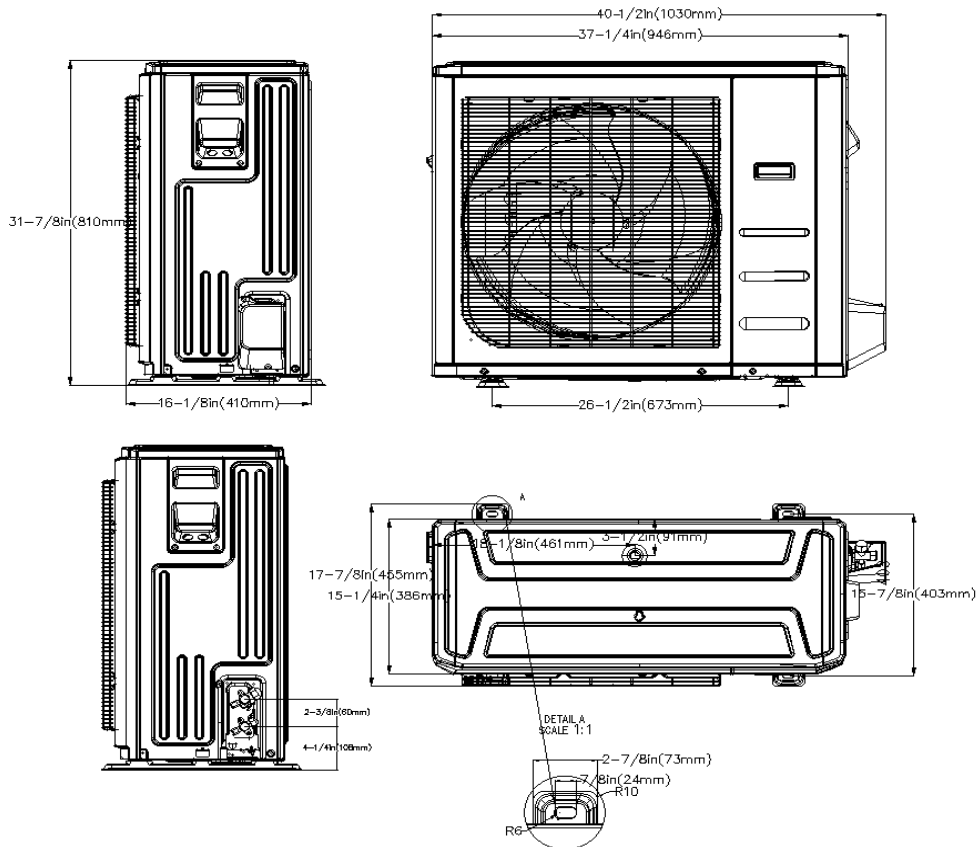
Installation Instruction



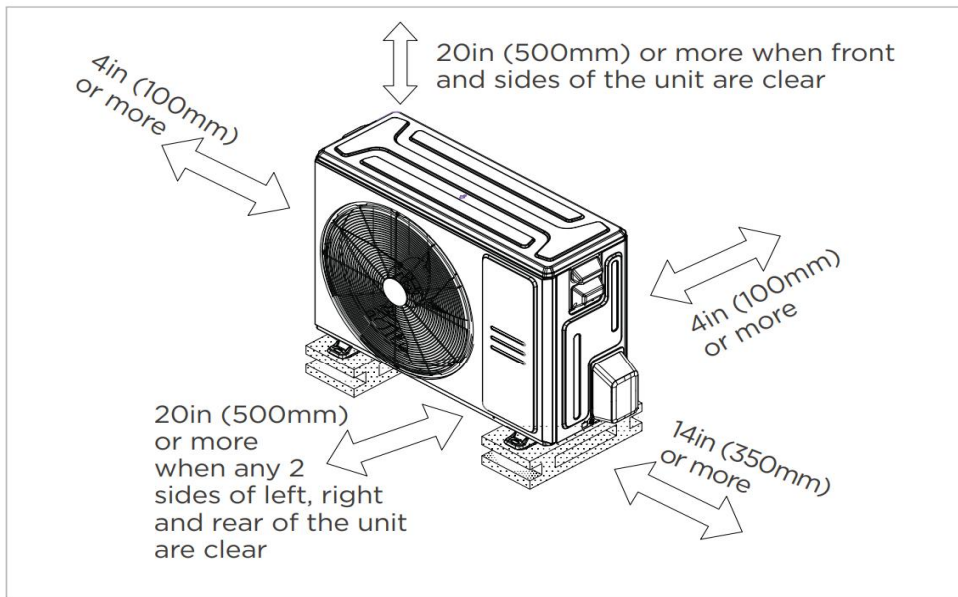
Distance from ceiling relative to height of indoor unit

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