



Submittal Data Sheet

Indoor Unit Model#: ACiQ-24WS-HP230C

Outdoor Unit Model#: ACiQ-24ZS-HP230C

24K (230V) Standard Heat Single-Zone Heat Pump System

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

System Product Code: 810175550251

Indoor Unit Product Code: 810175550268

Outdoor Unit Product Code: 810175550275



INDOOR UNIT SPECIFICATIONS

| | | |
|---|------|------------------------------------|
| Indoor Air Flow (Turbo/H/M/L/Si) (CFM) | | 759.3 / 588.6 / 459.1 / 382.6 / NA |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) | | 54.0 / 48.5 / 43.5 / 27.5 / 20.5 |
| Dimension (W×D×H) | inch | 42.60 x 9.21 x 13.27 |
| | mm | 1082.0 × 234.0 × 337.0 |
| Package (W×D×H) | inch | 45.47 x 16.34 x 12.40 |
| | mm | 1155 × 415 × 315 |
| Net/Gross Weight | lbs | 30.86 / 40.56 |
| | kg | 14.0 / 18.4 |

OUTDOOR UNIT SPECIFICATIONS

| | | |
|------------------------------|------|-----------------------|
| Compressor Type | | ROTARY |
| Compressor Model | | KTM240D46UKT2 |
| Refrigerant | | R454B |
| Refrigerant Oil Charge (mL) | | 620 |
| Refrigerant Oil | | VG74 |
| Outdoor Air Flow (Max) (CFM) | | 2235.3 |
| Outdoor Noise Level (dBA) | | 60.0 |
| 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 | 122.13 / 132.28 |
| | kg | 55.4 / 60.0 |

EFFICIENCY RATINGS

| Cooling | | Heating | |
|---------|------|---------|------|
| SEER2 | 23.5 | HSPF2-4 | 10.0 |
| EER2 | 13.0 | COP | 3.08 |

COOLING PERFORMANCE

| Cooling (Btu/hr) | |
|----------------------------------|--------------------------|
| Rated Capacity | 24000 |
| Min./Max. Capacity | 9700~27000 |
| Moisture Removal (L/h) | 2.7 |
| Standard Operating Range (°F/°C) | -13~122 (-25~50) |
| Rated Cooling Conditions: | Indoor: 80°F DB/67°F WB |
| | Outdoor: 95°F DB/75°F WB |

HEATING PERFORMANCE

| Heating (Btu/hr) | |
|----------------------------------|--------------------------|
| 1. @ 47°F Rated | 25000 |
| 1. @ 47°F Min./Max. Capacity | 11300~32700 |
| 2. @ 17°F Rated | 19500 |
| 3. @ 5°F Rated: Capacity / COP | 17800 / 2.15 |
| 3. @ 5°F Max: Capacity | 17800 |
| 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 |

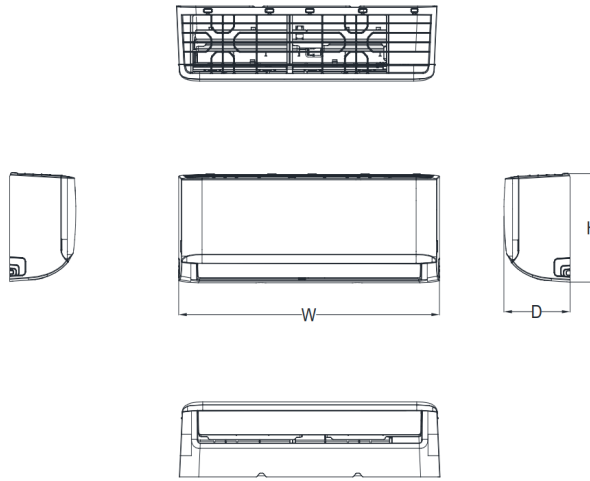
ELECTRICAL SPECIFICATIONS

| | |
|----------------------------------|--------------------------------------|
| Power Supply | 208/230V, 60Hz, 1Ph |
| System MCA | 24.0 |
| Connection Wiring | 14#x4 |
| System MOP | 25 |
| Compressor RLA | 15.4 |
| Outdoor Fan Motor RLA | 1.0 |
| Outdoor Fan Motor W | 120 |
| Indoor Fan Motor RLA | 1.3 |
| Indoor Fan Motor W | 58 |
| System Power Input @ Cooling (W) | 1846 (860 ~ 2550) |
| System Power Input @ Heating (W) | 2379 (645 ~ 3320) |
| MCA: Min. circuit amps (A) | MOP: Max. overcurrent protection (A) |
| RLA: Rated load amps (A) | W: Fan motor rated output (W) |

REFRIGERANT PIPING SPECIFICATIONS

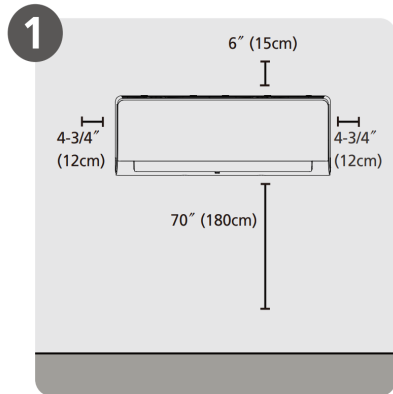
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|--|--------------------|
| Throttle type (Indoor) | N/A |
| Throttle type (Outdoor) | EXV+Throttle valve |
| Liquid Size | 9.52mm (3/8in) |
| Gas Size | 15.9mm (5/8in) |
| Max. Piping Length (ft/m) | 164.00 (50) |
| Max. Height Difference (ft/m) | 82.00 (25) |
| Max. Pre-charged Length (ft/m) | 24.6 (7.5) |
| Refrigerant Pre-charged Amount (oz/kg) | 70.55 (2) |
| Additional Charge of Refrigerant ((oz/ft)/(g/m)) | 0.32 (30) |
| Connection Method | Flared |

Indoor Unit Dimensions

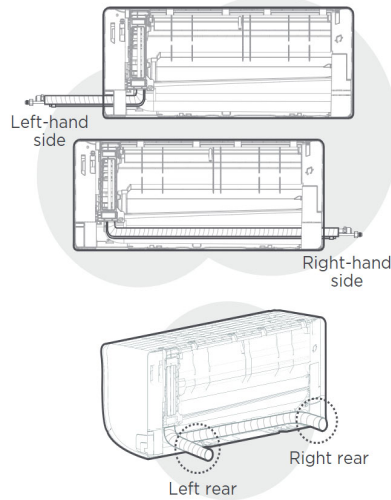


| Capacity | Body Code | W(inch/mm) | D(mm/inch) | H(mm/inch) |
|----------|-----------|------------------|----------------|-----------------|
| 6K~9K | A | 28-3/4in /729mm | 7-7/8in /200mm | 11-1/2in /292mm |
| 9K~12K | B | 31-5/8in /802mm | 7-7/8in /200mm | 11-5/8in /295mm |
| 18K | C | 38-1/4in /971mm | 9in/228mm | 12-5/8in /321mm |
| 18K~24K | D | 42-5/8in /1082mm | 9-1/4in/234mm | 13-1/4in /337mm |
| 30K~36K | F | 49-5/8in /1259mm | 11-1/8in/283mm | 14-1/4in /362mm |

Indoor Unit Installation Instructions

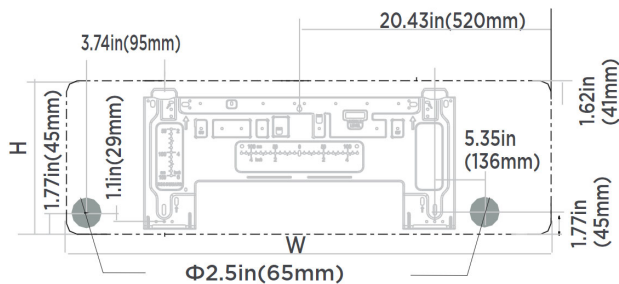


Select Installation Location



NOTE:

Based on the position of the wall hole relative to the mounting plate, choose the side from which the piping will exit the unit. You have four options for the exit direction of the piping.

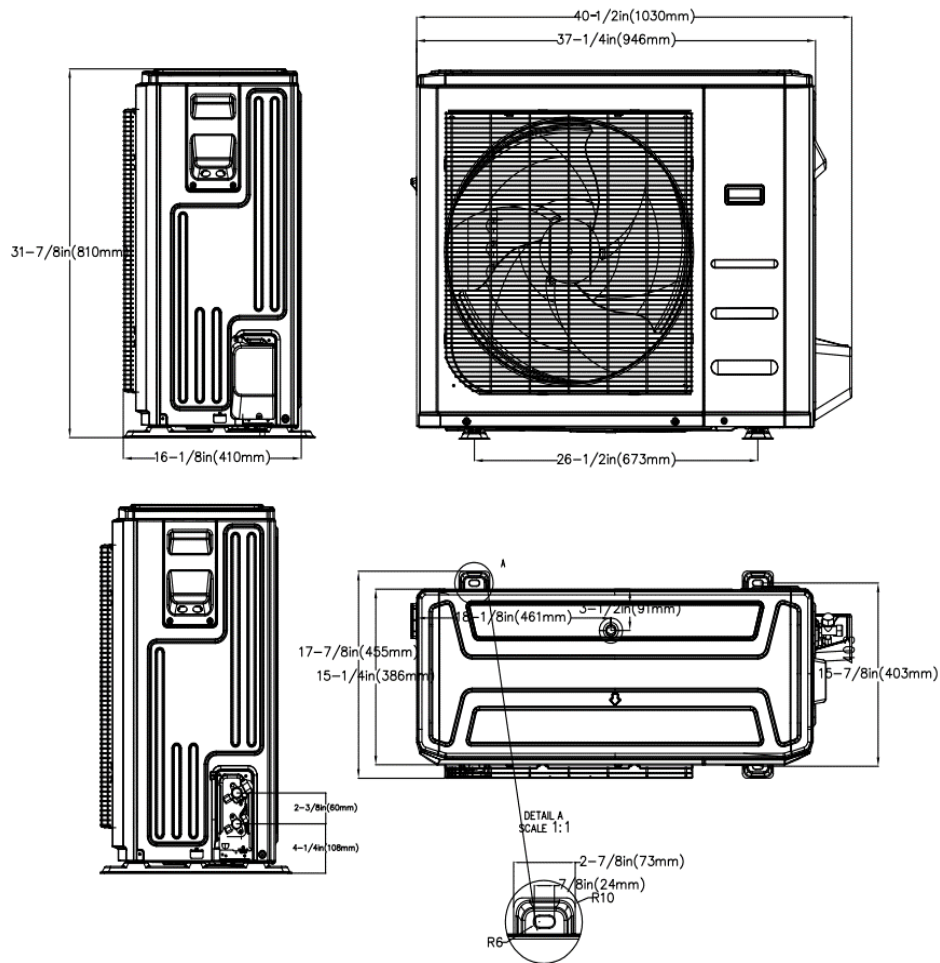


Indoor unit dimensions(WxH):
38.2in(971mm)x12.6in(321mm)

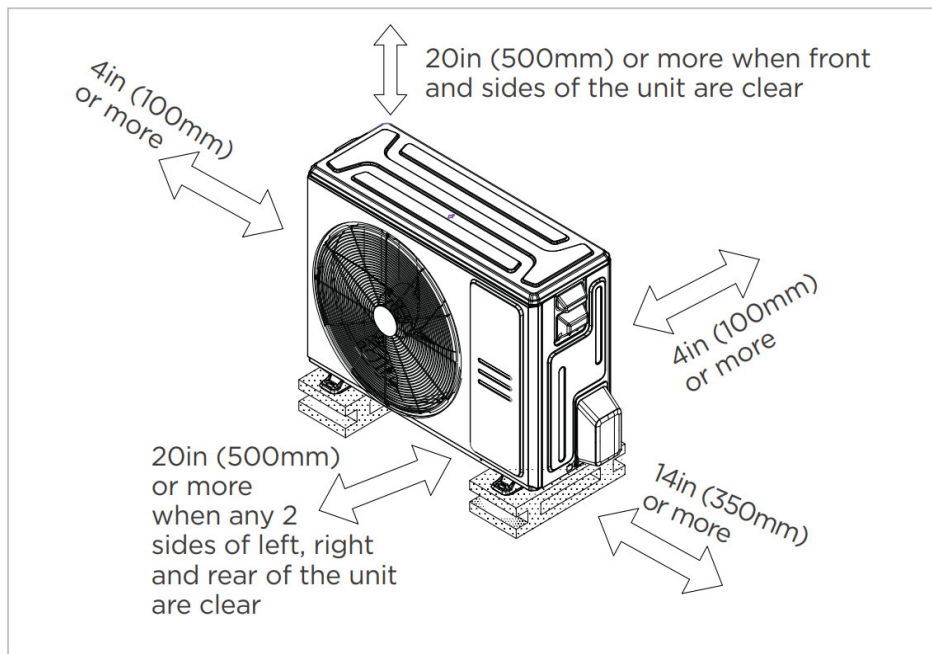
NOTE:

When the gas side connective pipe is Φ (5/8in)16mm or more, the wall hole should be (3-1/2in)90mm.

Outdoor Unit Dimensions



Outdoor Unit Installation Instructions



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

Features

- Indoor unit TU1 copper coil
- Humidity control
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- 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.