



# Submittal Data Sheet

Indoor Unit Model#: ACiQ-36FM-HH-MD  
Outdoor Unit Model#: ACiQ-36ZPL-HP230C

## 36K Ceiling & Floor Heat Pump System

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

System Product Code: 810175551609  
Indoor Unit Product Code: 810175551302  
Outdoor Unit Product Code: 810175550985



### EFFICIENCY RATINGS

| Cooling |      | Heating |      |
|---------|------|---------|------|
| SEER2   | 20   | HSPF2-4 | 10.8 |
| EER2    | 12.0 | COP     | 3.29 |

### COOLING PERFORMANCE

| Cooling (Btu/hr)                 |                                                     |
|----------------------------------|-----------------------------------------------------|
| Rated Capacity                   | 36400                                               |
| Min/Max Capacity                 | 6100~38300                                          |
| Moisture Removal (L/h)           | 3.10                                                |
| Standard Operating Range (°F/°C) | -22~122 (-30~50)                                    |
| Conditions:                      | Indoor: 80°F DB/67°F WB<br>Outdoor: 95°F DB/75°F WB |

### HEATING PERFORMANCE

| Heating (Btu/hr)                 |                                                     |
|----------------------------------|-----------------------------------------------------|
| 1. @ 47°F Rated                  | 38000                                               |
| 1. @ 47°F Min/Max Capacity       | 11100~45400                                         |
| 2. @ 17°F Rated                  | 30200                                               |
| 3. @ 5°F Rated: Capacity / COP   | 39500 / 2.02                                        |
| 3. @ 5°F Max: Capacity           | 39500                                               |
| Standard Operating Range (°F/°C) | -22~75 (-30~24)                                     |
| 1. Conditions:                   | Indoor: 70°F DB/60°F WB<br>Outdoor: 47°F DB/43°F WB |
| 2. Conditions:                   | Indoor: 70°F DB/60°F WB<br>Outdoor: 17°F DB/15°F WB |
| 3. Conditions                    | Indoor: 70°F DB/60°F WB<br>Outdoor: 5°F DB/5°F WB   |

### INDOOR UNIT SPECIFICATIONS

|                                           |      |                                         |
|-------------------------------------------|------|-----------------------------------------|
| Indoor Air Flow (Turbo/H/M/L/Si) (CFM)    |      | 1224.3 / 1088.9 / 988.8 / 765.2 / 653.3 |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) |      | NA / 51.0 / 45.5 / 39.0 / 35.0          |
| Dimension (W×D×H)                         | inch | 64.96 x 9.25 x 26.57                    |
|                                           | mm   | 1650.0 x 235.0 x 675.0                  |
| Package (W×D×H)                           | inch | 67.91 x 12.52 x 29.72                   |
|                                           | mm   | 1725 x 318 x 755                        |
| Net/Gross Weight                          | lbs  | 88.85 / 104.94                          |
|                                           | kg   | 40.3 / 47.6                             |

### OUTDOOR UNIT SPECIFICATIONS

|                              |      |                       |
|------------------------------|------|-----------------------|
| Compressor Type              |      | TWIN-ROTARY           |
| Compressor Model             |      | EKPQ420D1UMUA         |
| Refrigerant                  |      | R454B                 |
| Refrigerant Oil Charge (mL)  |      | 1460                  |
| Refrigerant Oil              |      | VG75                  |
| Outdoor Air Flow (Max) (CFM) |      | 3001.9                |
| Outdoor Noise Level (dBA)    |      | 65.0                  |
| Dimension (W×D×H)            | inch | 38.58 x 16.34 x 38.39 |
|                              | mm   | 980.0 x 415.0 x 975.0 |
| Package (W×D×H)              | inch | 45.08 x 19.68 x 42.52 |
|                              | mm   | 1145 x 500 x 1080     |
| Net/Gross Weight             | lbs  | 206.57 / 237.44       |
|                              | kg   | 93.7 / 107.7          |

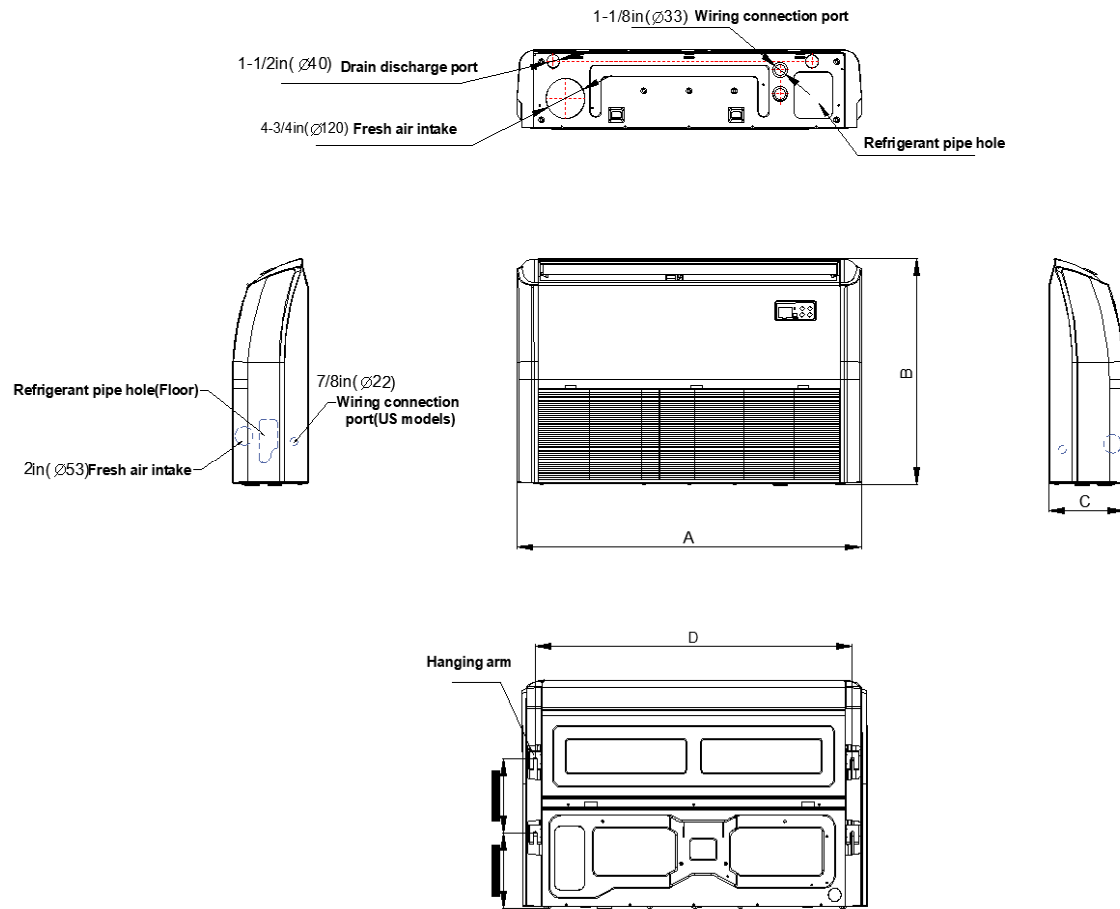
### ELECTRICAL SPECIFICATIONS

|                                  |  |                                      |
|----------------------------------|--|--------------------------------------|
| Power Supply                     |  | 208/230V, 60Hz, 1Ph                  |
| System MCA                       |  | 38.00                                |
| Connection Wiring                |  | 14#x3                                |
| System MOP                       |  | 40                                   |
| Compressor RLA                   |  | 24.5                                 |
| Outdoor Fan Motor RLA            |  | 2.1                                  |
| Outdoor Fan Motor W              |  | 250                                  |
| Indoor Fan Motor RLA             |  | 1.0                                  |
| Indoor Fan Motor W               |  | 90                                   |
| System Power Input @ Cooling (W) |  | 3033 (590 ~ 3610)                    |
| System Power Input @ Heating (W) |  | 3385 (675 ~ 4070)                    |
| MCA: Min. circuit amps (A)       |  | MOP: Max. overcurrent protection (A) |
| RLA: Rated load amps (A)         |  | W: Fan motor rated output (W)        |

### REFRIGERANT PIPING SPECIFICATIONS

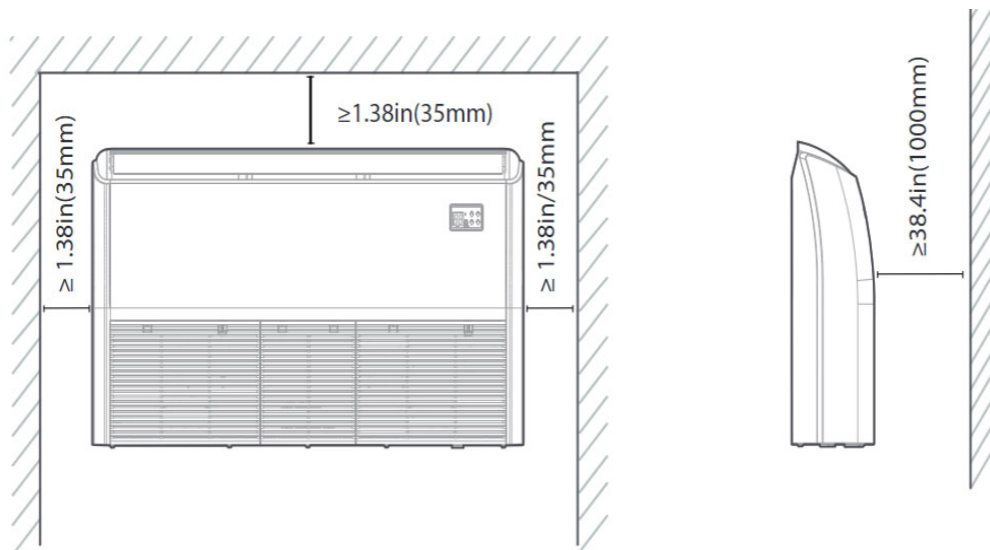
|                                                  |  |                    |
|--------------------------------------------------|--|--------------------|
| Throttle type (Indoor)                           |  | N/A                |
| Throttle type (Outdoor)                          |  | EXV+Throttle valve |
| Liquid Size                                      |  | 9.52mm (3/8in)     |
| Gas Size                                         |  | 19mm (3/4in)       |
| Max. Piping Length (ft/m)                        |  | 246.00 (75)        |
| Max. Height Difference (ft/m)                    |  | 98.40 (30)         |
| Max. Pre-charged Length (ft/m)                   |  | 24.6 (7.5)         |
| Refrigerant Pre-charged Amount (oz/kg)           |  | 126.99 (3.60)      |
| Additional Charge of Refrigerant ((oz/ft)/(g/m)) |  | 0.32 (30)          |
| Connection Method                                |  | Flared             |

### Indoor Unit Dimensions

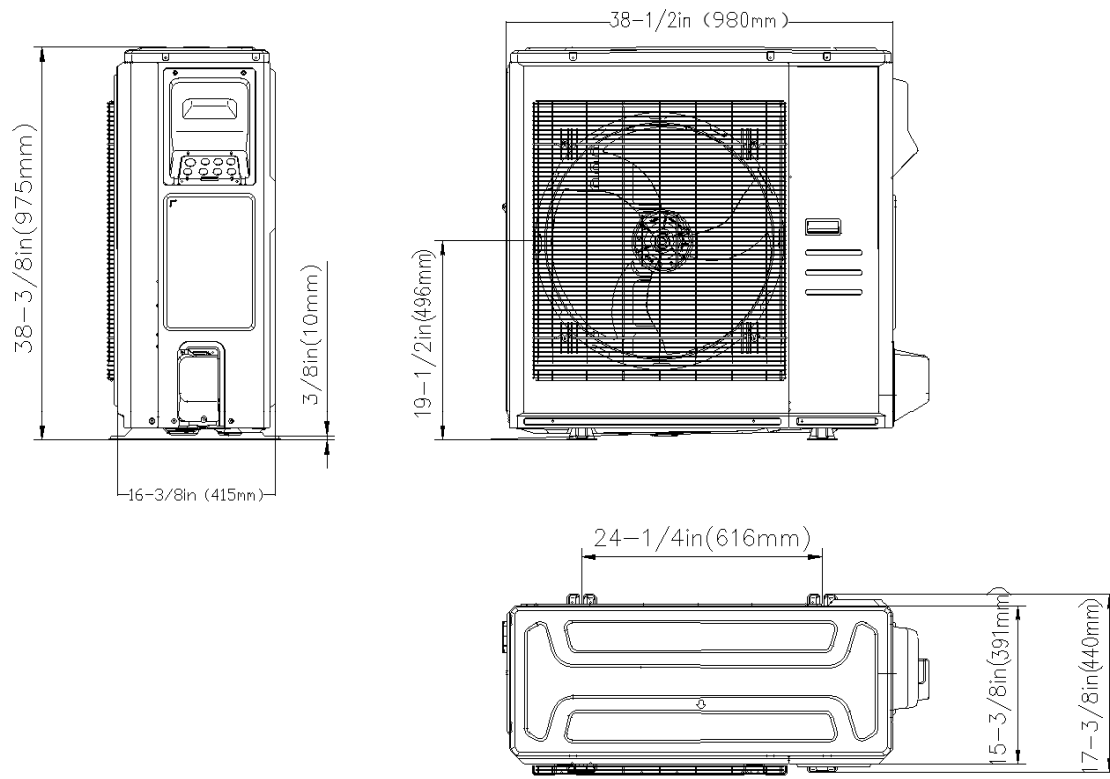


| Model       | A            | B               | C              | D                |
|-------------|--------------|-----------------|----------------|------------------|
| 18K/24K     | 42in(1068mm) | 26-1/2in(675mm) | 9-1/4in(235mm) | 38-3/4in(983mm)  |
| 36K/48K/60K | 65in(1650mm) | 26-1/2in(675mm) | 9-1/4in(235mm) | 61-5/8in(1565mm) |

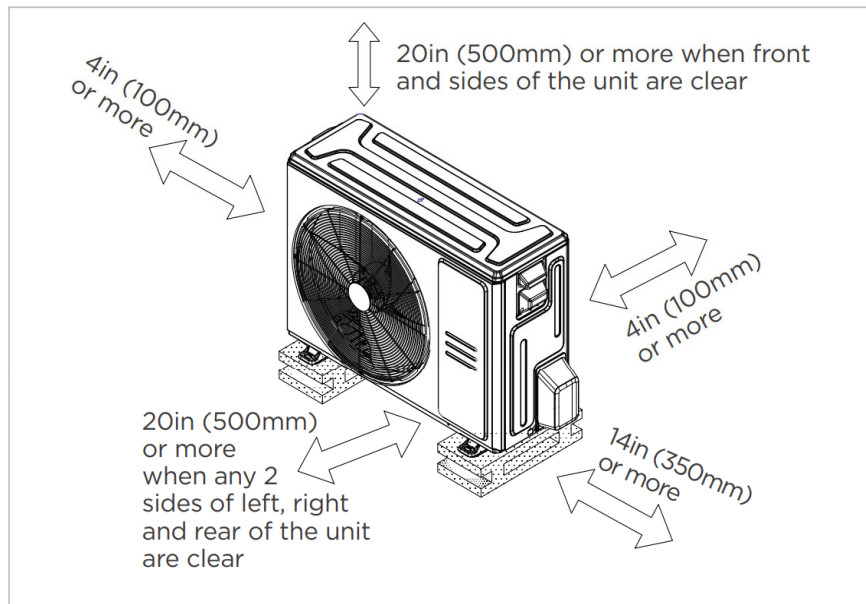
### Indoor Unit Installation Instructions



### Outdoor Unit Dimensions



### Outdoor Unit Installation Instructions



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

## Features

- 2 Style Installation
- 3D Airflow
- Refrigerant leakage detection sensor
- Humidity sensor
- "88" display tube
- 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\*

\*24V interface is required.