



## Submittal Data Sheet

Indoor Unit Model#: ACiQ-30-AHD  
Outdoor Unit Model#: ACiQ-30-AC-B

### 30K DUCTED AIR HANDLER & 30K AC-COOLING ONLY CONDENSER

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

System Product Code: 810175554495  
Indoor Unit Product Code: 810175550411  
Outdoor Unit Product Code: 810175553580



| EFFICIENCY RATINGS |  |      |
|--------------------|--|------|
| Cooling            |  |      |
| SEER2              |  | 17.0 |
| EER2               |  | 11.0 |

| COOLING PERFORMANCE              |  |                                                     |
|----------------------------------|--|-----------------------------------------------------|
| Cooling (Btu/hr)                 |  |                                                     |
| Rated Capacity                   |  | 30000                                               |
| Min/Max Capacity                 |  | 10800 ~ 32000                                       |
| Moisture Removal (L/h)           |  | 3.5                                                 |
| Standard Operating Range (°F/°C) |  | -13 ~ 122 (-25 ~ 50)                                |
| Rated Cooling Conditions:        |  | Indoor: 80°F DB/67°F WB<br>Outdoor: 95°F DB/75°F WB |

| REFRIGERANT PIPING SPECIFICATIONS                |  |                |
|--------------------------------------------------|--|----------------|
| Throttle type (Indoor)                           |  | EXV            |
| Throttle type (Outdoor)                          |  | EXV            |
| Liquid Size                                      |  | 9.52mm (3/8in) |
| Gas Size                                         |  | 19mm (3/4in)   |
| Max. Piping Length (ft/m)                        |  | 164 (50)       |
| Max. Height Difference (ft/m)                    |  | 98 (30)        |
| Max. Pre-charged Length (ft/m)                   |  | 24.6 (7.5)     |
| Refrigerant Pre-charged Amount (oz/kg)           |  | 81.13 (2.30)   |
| Additional Charge of Refrigerant ((oz/ft)/(g/m)) |  | 0.7 (65)       |
| Connection Method                                |  | Flared         |

### INDOOR UNIT SPECIFICATIONS

|                                           |      |                                            |
|-------------------------------------------|------|--------------------------------------------|
| Indoor Air Flow (Turbo/H/M/L/Si) (CFM)    |      | 988.85 / 894.67 / 806.38 / 712.21 / 712.21 |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) |      | 46 / 46 / 42 / 29 / 29                     |
| Unit Dimensions (W×D×H)                   | inch | 21.02 x 21.02 x 49.02                      |
|                                           | mm   | 534.0 x 534.0 x 1245.0                     |
| Packaging Dimensions (W×D×H)              | inch | 26.57 x 24.41 x 52.56                      |
|                                           | mm   | 675 x 620 x 1335                           |
| Net/Gross Weight                          | lbs  | 128.97 / 153.44                            |
|                                           | kg   | 58.5 / 69.6                                |

### OUTDOOR UNIT SPECIFICATIONS

|                              |      |                       |
|------------------------------|------|-----------------------|
| Compressor Type              |      | ROTARY                |
| Compressor Model             |      | KTM240D46UKT2         |
| Refrigerant                  |      | R454B                 |
| Refrigerant Oil Charge (mL)  |      | 620                   |
| Refrigerant Oil              |      | VG74                  |
| Outdoor Air Flow (Max) (CFM) |      | 1,825                 |
| Outdoor Noise Level (dBA)    |      | 58                    |
| Unit Dimensions (W×D×H)      | inch | 35.04 x 13.46 x 26.50 |
|                              | mm   | 890 x 342 x 673       |
| Packaging Dimensions (W×D×H) | inch | 39.17 x 13.46 x 29.13 |
|                              | mm   | 995 x 342 x 740       |
| Net/Gross Weight             | lbs  | 98.33 / 105.60        |
|                              | kg   | 44.6 / 47.9           |

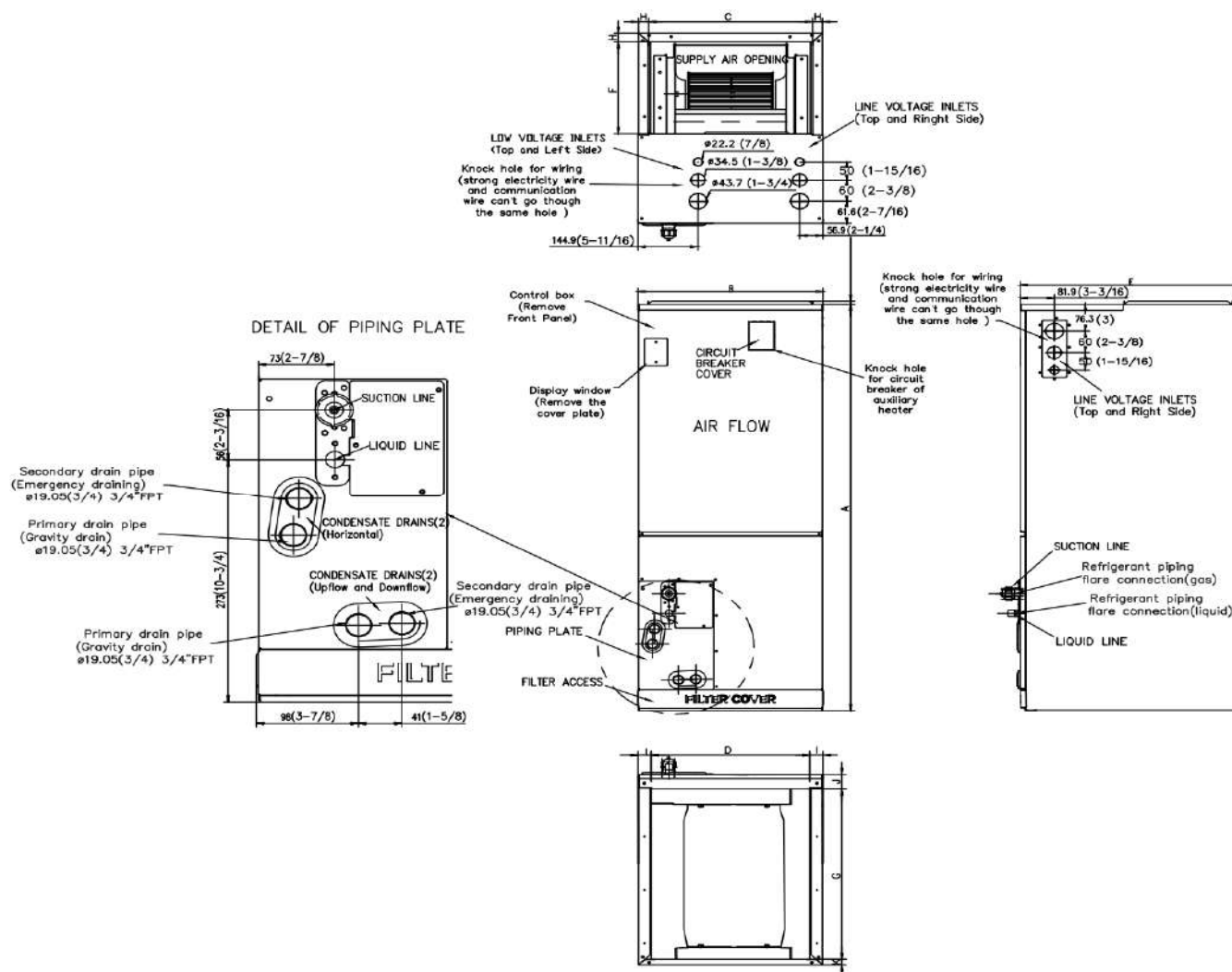
### ELECTRICAL SPECIFICATIONS

|                                  |  |                                      |
|----------------------------------|--|--------------------------------------|
| Indoor Power Supply              |  | 115/208/230V, 60Hz, 1Ph              |
| Indoor MCA 115V / (208/230V)     |  | 8.0 / 6.0                            |
| Indoor MOP                       |  | 15                                   |
| Outdoor Power Supply             |  | 208/230V, 60Hz, 1Ph                  |
| Outdoor MCA                      |  | 20                                   |
| Outdoor MOP                      |  | 20                                   |
| Communication Wiring             |  | AWG 20-2                             |
| Compressor RLA                   |  | 15                                   |
| Outdoor Fan Motor RLA            |  | 1                                    |
| Indoor Fan Motor RLA             |  | 4.5                                  |
| Indoor Fan Motor W               |  | 375                                  |
| System Power Input @ Cooling (W) |  | 2730 (785 ~ 2820)                    |
| MCA: Min. circuit amps (A)       |  | MOP: Max. overcurrent protection (A) |
| RLA: Rated load amps (A)         |  | W: Fan motor rated output (W)        |

### FEATURES

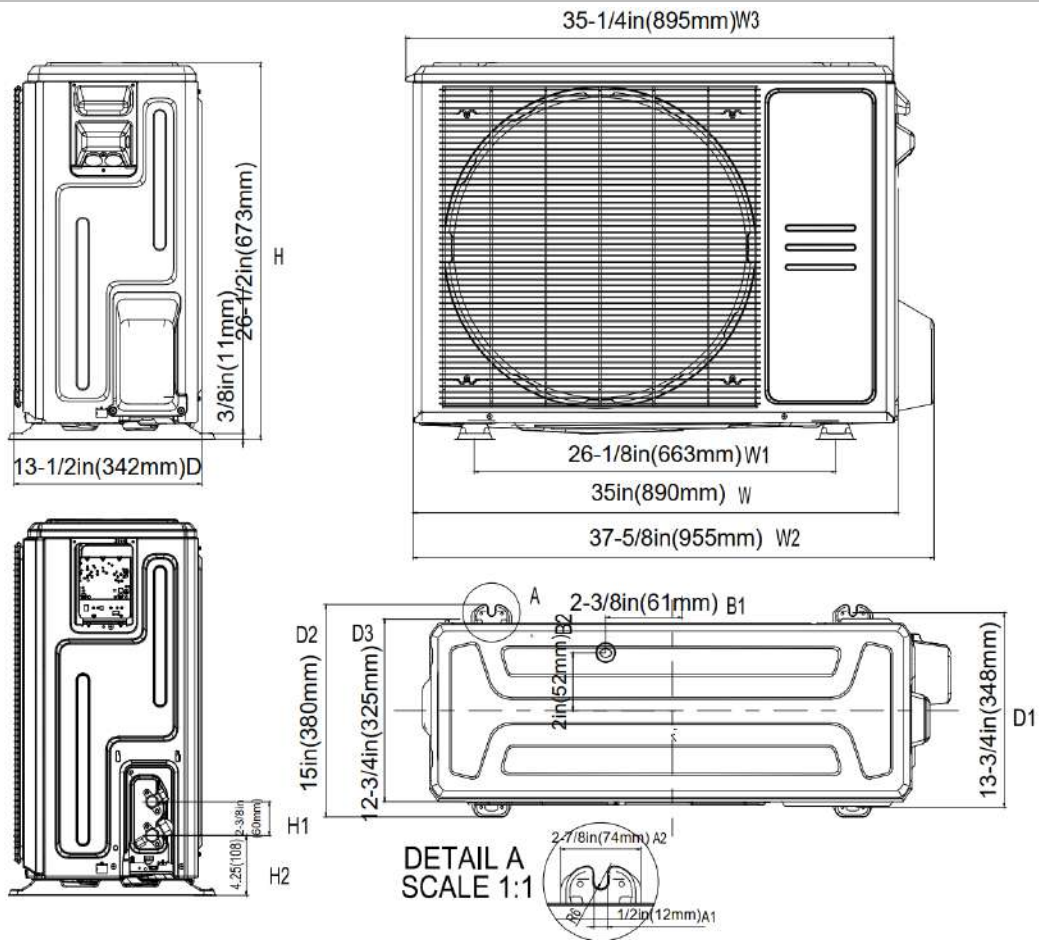
- Multi-position installation: horizontal (left or right), vertical (up or down)
- Aluminum Coil
- Constantly Air Flow system up to 0.80 In.W.G
- 1 inch R4.2 fiberglass free insulation reduces condensation & boosts efficiency (optional)
- Optional Auxiliary heat kit up to 25kW
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller: 120N (X6)
  - Two way communication wired controller with built-in WiFi: 120N (X6W)
  - Wireless remote controller
  - Third-Party 24V Thermostat
- Adaptive Control System
- Chassis heater and crankcase heater equipped as standard

# INDOOR UNIT DIMENSIONS

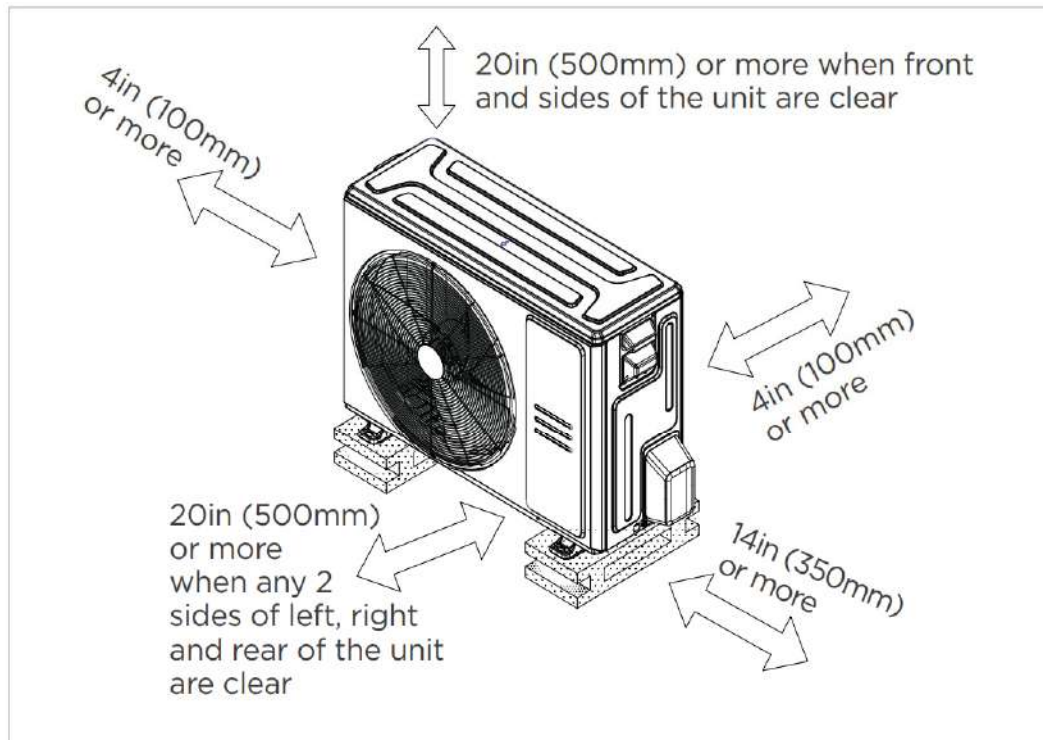


| Dimensions | Model                              | 18k/24k |      | 30k/36k |      | 48k/60k |      |
|------------|------------------------------------|---------|------|---------|------|---------|------|
|            |                                    | inch    | mm   | inch    | mm   | inch    | mm   |
| A          | Model Height                       | 45      | 1143 | 49      | 1245 | 53      | 1346 |
| B          | Model Width                        | 17-1/2  | 445  | 21      | 534  | 24-1/2  | 622  |
| C          | Supply Air Opening Width           | 15-5/8  | 397  | 19-1/8  | 486  | 22-5/8  | 575  |
| D          | Return Air Opening Width           | 15-1/8  | 384  | 18-5/8  | 473  | 22-1/8  | 562  |
| E          | Model Depth                        | 21      | 534  | 21      | 534  | 21      | 534  |
| F          | Supply Air Opening Depth           | 10-1/4  | 260  | 10-1/4  | 260  | 10-1/4  | 260  |
| G          | Return Air Opening Depth           | 18-3/4  | 476  | 18-3/4  | 476  | 18-3/4  | 476  |
| H          | Supply Air Opening Clearance       | 15/16   | 24   | 15/16   | 24   | 15/16   | 24   |
| I          | Return Air Opening Side Clearance  | 1-1/4   | 32   | 1-1/4   | 32   | 1-1/8   | 28   |
| J          | Return Air Opening Front Clearance | 1-1/2   | 38   | 1-5/8   | 41   | 1-5/8   | 41   |
| K          | Return Air Opening Back Clearance  | 5/8     | 16   | 5/8     | 16   | 3/4     | 19   |

# OUTDOOR UNIT DIMENSIONS



## INSTALLATION INSTRUCTIONS FOR OUTDOOR UNIT



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

