

**Outdoor Unitary Ducted System Outdoor Model:**

**ACIQ-48-HP**

# Submittal Data

Job Data:  Location:

Buyer:  Buyer P.O. #:  ACIQ#:

Unit Number:  Model Number:

Performance Data Certified By:  Date:



### STANDARD FEATURES

Features Outdoor:

- Variable Speed (Inverter) Compressor
- Basepan Heater factory installed
- Quiet operation
- Aluminum Hydrophilic pre-coated fins

- Piping length 213 ft. (65 m)

Cooling operating range -13° ~ 122° F (-25° ~ 50°C)  
Heating operating range -22°~86°F (-30°~30°C)

### LIMITED WARRANTY\*

- 12 year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years
- \*For residential applications. See warranty for full details.

# Specifications

|                 |                                |                |                  |
|-----------------|--------------------------------|----------------|------------------|
| System          | Size                           | 48             |                  |
|                 | Outdoor Model                  | ACIQ-48-AH     |                  |
| Electrical      | Voltage, Phase, Cycle          | V/Ph/Hz        | 208/230-1-60     |
|                 | MCA                            | A.             | 37               |
|                 | MOCP - Fuse Rating             | A.             | 50               |
| Operating Range | Cooling Outdoor DB Min - Max   | °F(°C)         | -13~122 (-25~50) |
|                 | Heating Outdoor DB Min - Max   | °F(°C)         | -22~86 (-30~30)  |
| Piping          | Total Piping Length            | ft (m)         | 213 (65)         |
|                 | Piping Lift                    | ft (m)         | 98 (30)          |
|                 | Pipe Connection Size - Liquid  | in (mm)        | 3/8 (9.52)       |
|                 | Pipe Connection Size - Suction | in (mm)        | 5/8 (16)         |
| Refrigerant     | Type                           | R410A          |                  |
|                 | Charge                         | lbs (kg)       | 9.92 (4.5)       |
|                 | Metering Device                | EEV            |                  |
| Outdoor Coil    | Face Area                      | Sq. Ft.        | 14.8             |
|                 | No. Rows                       | 2              |                  |
|                 | Fins per inch                  | 18             |                  |
|                 | Circuits                       | 8              |                  |
| Compressor      | Type                           | R410A          |                  |
|                 | Model                          | KTQ420D1UMU    |                  |
|                 | Oil Type                       | ESTER OIL VG74 |                  |
|                 | Oil Charge                     | Fl. Oz.        | 47.35            |
|                 | Rated Current                  | RLA            | 28               |
| Outdoor         | Unit Width                     | in (mm)        | 40.5 (1,030)     |
|                 | Unit Height                    | in (mm)        | 52.4 (1,333)     |
|                 | Unit Depth                     | in (mm)        | 17.6 (448)       |
|                 | Net Weight                     | lbs (kg)       | 219.14 (99.4)    |
|                 | Airflow                        | CFM            | 4,500            |
|                 | Sound Pressure                 | dB(A)          | 62.9             |

\* Condensing unit above or below indoor unit  
For Compatibility See Product Data

# Performance

|        |                                |            |               |
|--------|--------------------------------|------------|---------------|
| Ducted | Indoor Model                   | ACIQ-48-AH |               |
|        | Energy Star                    | NO         |               |
|        | Cooling Rated Capacity         | Btu/h      | 48,000        |
|        | Cooling Cap. Range Min - Max   | Btu/h      | 15,700~76,700 |
|        | SEER                           | 17.4       |               |
|        | EER                            | 9.2        |               |
|        | Heating Rated Capacity (47°F)  | Btu/h      | 50,000        |
|        | Heating Rated Capacity (17°F)  | Btu/h      | 29,000        |
|        | Maximum Heating Capacity (5°F) | Btu/h      | 39,900        |
|        | Heating Cap. Range Min - Max   | Btu/h      | 20,200~63,600 |
|        | HSPF                           | 10.3       |               |
|        | COP (47°F)                     | W/W        | 3             |
|        | COP (17°F)                     | W/W        | 2.5           |
|        | COP (5°F)                      | W/W        | 2.19          |

# Construction View

