

QUICK REFERENCE DATA

JS4QE-KB & JS6QF Series - Residential Split System Air Conditioner

| MODEL NUMBERS: | | | JS4QE-024KB | JS4QE-030KB | JS4QE-036KA | JS6QF-042K | JS6QF-048K |
|--|------------------------|-----------|---------------|-------------|-------------|------------|------------|
| Electrical Data | Volts-Cycles-Phase (1) | | 208/230-60-1 | | | | |
| | Total Amps | | 9.0 | 10.8 | 15.1 | 19.4 | 22.4 |
| | Delay Fuse Max. (2) | | 15 | 20 | 30 | 40 | 45 |
| | Min. Circuit Ampacity | | 11.1 | 13.3 | 18.6 | 23.9 | 27.4 |
| Condenser Data | Coil | Area | 11.7 | 15.2 | 20.3 | 25.3 | 25.3 |
| | | Rows-FPI | 1-23 | 1-18 | 1-18 | 1-23 | 1-23 |
| | | Tube Dia | Micro-Channel | | | | |
| | Fan Motor | Type | PSC | | | | BLDC |
| | | Amps | 0.7 | 0.9 | 1.0 | 1.5 | 2.6 |
| | | HP | 0.10 | 0.13 | 0.20 | 0.25 | 0.33 |
| | Compressor Data | RLA | 8.3 | 9.9 | 14.1 | 17.9 | 19.8 |
| | | LRA | 50.0 | 69.0 | 77.0 | 112.0 | 109.0 |
| Refrigerant suction line O.D NOTE: Liquid line is 3/8" O.D. for entire length. | | 0-24 ft. | 3/4" | 3/4" | 3/4" | 7/8" | 7/8" |
| | | 25-39 ft. | 3/4" | 3/4" | 7/8" (3) | 7/8" | 7/8" |
| | | 40-75 ft. | 3/4" | 3/4" | 7/8" (3) | 7/8" | 7/8" |
| Refrigerant charge: R-410A in ounces for outdoor unit, indoor unit, & 15' Lineset | | | 64.0 | 69.0 | 69.0 | 96.0 | 96.0 |
| APPROXIMATE WEIGHT (LBS.) | | Net | 131 | 137 | 146 | 208 | 218 |
| | | Ship | 138 | 145 | 155 | 217 | 227 |

- (1) Operating Voltage Range: 187v min. — 253v max.
 (2) HACR Type Circuit Breakers may be used.
 (3) Requires 7/8" to 3/4" reducer from unit to line.
 NOTE: Weights shaded in gray signify preliminary data.

Table 1. Electrical Specifications & Physical Data

| THERMOSTAT WIRE GAUGE | RECOMMENDED T-STAT WIRE UNIT TO T-STAT (LENGTH IN FT) | |
|-----------------------|---|--------------------------|
| | 2-WIRE (HEATING) | 5-WIRE (HEATING/COOLING) |
| 24 | 55 | 25 |
| 22 | 90 | 45 |
| 20 | 140 | 70 |
| 18 | 225 | 110 |

Table 2. Thermostat Wire Gauge

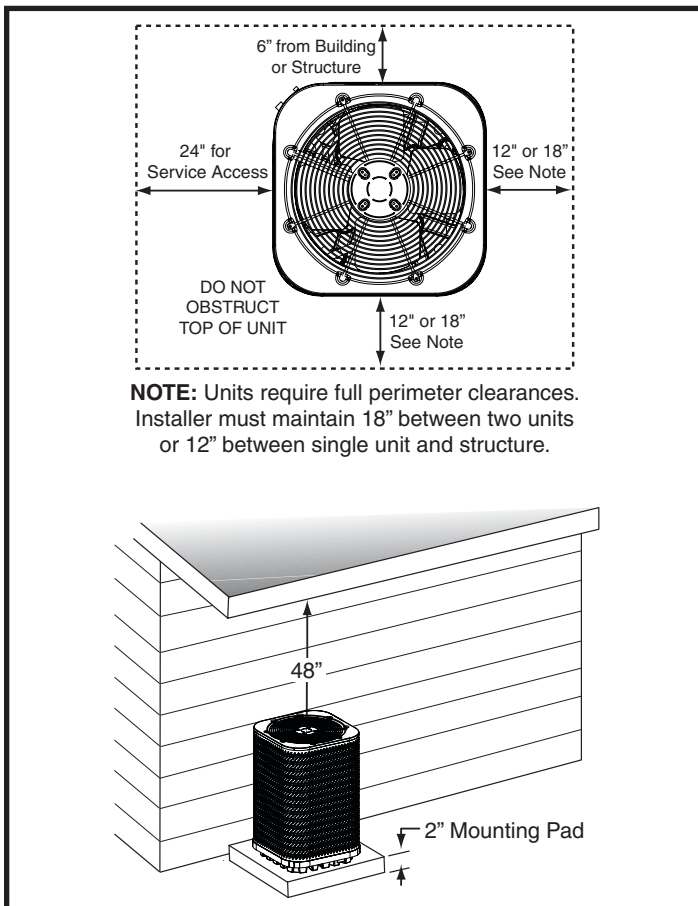


Figure 1. Clearance Requirements

| MODEL NUMBER | HEIGHT (H) | WIDTH (W) | DEPTH (D) |
|--------------|------------|-----------|-----------|
| JS4QE-024KB | 31 1/2" | 22 3/4" | 22 3/4" |
| JS4QE-030KB | 27 1/2" | 30 3/4" | 30 3/4" |
| JS4QE-036KA | 35 1/2" | 30 3/4" | 30 3/4" |
| JS6QF-042K | 43" | 30 3/4" | 30 3/4" |
| JS6QF-048K | 43" | 30 3/4" | 30 3/4" |

Table 3. Unit Dimensions

Instructions:

1. Find the column for the model of outdoor unit that is being installed.
2. Find the row for the model of the indoor unit that is being installed.
3. Find the cell in the table in which this row and column meet. In this cell the appropriate orifice / TXV and charge addition for this match are listed. If the text in this cell is **BOLD**, then a change of orifice is necessary.
4. If a change in restrictor is necessary, then the appropriate restrictor will already be supplied with the outdoor unit.

Examples:

- For the JS4QE-024KB / C8QAMX24U-B match the correct TXV is the 669681 and no additional charge needs to be added (NO CHANGES NECESSARY).
- For the JS6QF-042K / C8QAMX42U-B match the correct TXV is the 669684 and no additional charge needs to be added (NO CHANGES NECESSARY).

| ID RESTRICTOR INSTALLED WITH ID UNIT | MODEL NUMBERS: | | JS4QE-024KB | JS4QE-030KB | JS4QE-036KA | JS6QF-042K | JS6QF-048K |
|--------------------------------------|---------------------------|------------------|---|----------------------|----------------------|----------------------|----------------------|
| | TOTAL SYSTEM CHARGE (OZ.) | | 64 | 69 | 69 | 96 | 96 |
| | MODELS | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM) | | | | |
| | C8-X | | | | | | |
| | C8QAMX24U-B | 669564 | 669564 (0 / 780) | -- | -- | -- | -- |
| | C8QAMX30U-B | 669565 | -- | 669565 (0 / 1000) | -- | -- | -- |
| | C8QAMX36U-B | 669566 | -- | -- | 669566 (0 / 1200) | -- | -- |
| | C8QAMX42U-B | 669684 | -- | -- | -- | 669684 (0 / 1250) | -- |
| | C8QAMX48U-B | 669684 | -- | -- | -- | -- | 669684 (0 / 1440) |

NOTES

- The charges listed are only valid for the standard 15' lineset.
- Numbers listed as 0.*** are restrictor diameters, while numbers listed as 669*** are TXV part numbers.

Table 4. Restrictor or TXV / Charge Addition (Oz)

THE CHARGE ADDITIONS PROVIDED IN THIS DOCUMENT ARE ESTIMATES BASED ON TEST DATA AND SHOULD ONLY BE A STARTING POINT. AFTER FOLLOWING THESE DIRECTIONS PLEASE ADJUST THE REFRIGERANT AMOUNT BASED ON THE APPROPRIATE CHARGING TABLES OR CHARTS IN THE INSTALLATION INSTRUCTIONS OR CHARGING LABEL.

