

# QUICK REFERENCE DATA

## \*SA3MD4M Series Split System Air Conditioner for Manufactured Housing

13.4 SEER2

| MODEL NUMBER: *SA3MD4M                                                                         |             | 1RN24K | 1RN30K | 1SN36K   | 1SN42K | 1SN48K |
|------------------------------------------------------------------------------------------------|-------------|--------|--------|----------|--------|--------|
| RECOMMENDED REFRIGERANT SUCTION LINE O.D.<br>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" (1) | 7/8"   | 7/8"   |
|                                                                                                | 40 - 75 ft. | 3/4"   | 3/4"   | 7/8" (1) | 7/8"   | 7/8"   |
| REFRIGERANT CHARGE<br>R-410A in ounces for outdoor unit & 20' Lineset. (2)                     |             | 67     | 72     | 65       | 71     | 74     |

(1) Requires 7/8" to 3/4" reducer from line to unit.

(2) Requires 1-1/8" to 7/8" reducer from line to unit

(3) Additional charge for line sets above 20 feet. Values based on suction line as follows with 3/8" liquid line.

(a) 3/4" = 0.6 oz. per additional foot.

(b) 7/8" = 0.7 oz. per additional foot.

(c) 1 1/8" = 0.8 oz. per additional foot.

\*For other line set dimensions, refer to the Application Guidelines for Refrigerant Lines Addendum.

Table 1. Physical Data

| MODEL NUMBER: *SA3MD4M        |                  | 1RN24K                                                                      | 1RN30K               | 1SN36K               | 1SN42K               | 1SN48K               |
|-------------------------------|------------------|-----------------------------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|
| OUTDOOR UNIT BOM CHARGE (OZ.) |                  | 67                                                                          | 72                   | 65                   | 71                   | 74                   |
| MODELS                        | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV<br>(CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)) |                      |                      |                      |                      |
| C84-X                         |                  |                                                                             |                      |                      |                      |                      |
| C84DAMX24U-B                  | 669564           | 669564<br>(0 / 850)                                                         | --                   | --                   | --                   | --                   |
| C84DAMX30U-B                  | 669565           | --                                                                          | 669565<br>(0 / 1000) | --                   | --                   | --                   |
| C84DAMX36U-B                  | 669566           | --                                                                          | --                   | 669566<br>(0 / 1165) | --                   | --                   |
| C84DAMX42U-B                  | 669567           | --                                                                          | --                   | --                   | 669567<br>(0 / 1220) | --                   |
| C84DAMX48U-B                  | 669568           | --                                                                          | --                   | --                   | --                   | 669568<br>(0 / 1400) |

### NOTES:

• The charges listed are only valid for the standard 20' lineset.

• Numbers listed as 0.\*\*\* are restrictor diameters, while numbers listed as 669\*\*\* are TXV part numbers.

**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.**

Table 2. Restrictor or TXV / Charge Addition (Oz)

### Instructions:

- Find the column for the model of outdoor unit that is being installed.
- Find the row for the model of the indoor unit that is being installed.
- 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.
- If a change in restrictor is necessary, then the appropriate restrictor will already be supplied with the outdoor unit.

### Examples:

- For the \*SA3MD4M1RN24K / C84DAMX24U-B match the appropriate TXV is 669564 and no additional charge needs to be added. (NO CHANGES NECESSARY).
- For the \*SA3MD4M1SN36K / C84DAMX36U-B match the appropriate TXV is 669566 and no additional charge needs to be added. (NO CHANGES NECESSARY).

