

# QUICK REFERENCE DATA

## \*SH1QE4M SERIES SPLIT SYSTEM HEAT PUMP WITH MICROCHANNEL COILS AND QUICK CONNECT COUPLINGS

14 SEER

MODEL NUMBER: *SH1QE4M		1SP24K	1SP30K	1SP36K	1SP42K	1SP48K
<b>Recommended Refrigerant suction line O.D.*</b> <b>NOTE:</b> Liquid line is 3/8" O.D. for entire length.	0-24 ft.	3/4"	3/4"	7/8"	7/8"	7/8"
	25-39 ft.	3/4"	3/4"	7/8"	7/8"	7/8"
	40-75 ft.	3/4"	3/4"	7/8"	7/8"	7/8"
<b>REFRIGERANT CHARGE:</b> R-410A in ounces for outdoor unit, indoor unit and 15' line set. (4)		94	101	107	120	118

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

**Table 1. Physical Data**

MODEL NUMBER: *SH1QE4M		1SP24K	1SP30K	1SP36K	1SP42K	1SP48K
OD RESTRICTOR SUPPLIED WITH OD UNIT:		0.042	0.051	0.055	0.057	0.060
TOTAL SYSTEM CHARGE (OZ.)		94	101	107	120	118
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))				
C8-X						
C8QAMX24U-B	669564	669564 (0 / 810)	--	--	--	--
C8QAMX30U-B	669565	--	669565 (0 / 980)	--	--	--
C8QAMX36U-B	669566	--	--	669566 (0 / 1140)	--	--
C8QAMX42U-B	669684	--	--	--	669684 (0 / 1355)	--
C8QAMX49U-B	669852	--	--	--	--	669852 (0 / 1460)

### NOTES:

- The charges listed are only valid for the standard 15' lineset.
- Part numbers beginning with 669\*\*\* are TXV part numbers and numbers listed as 0.\*\*\* are restrictor diameters.

**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 \*SH1QE4M1SP24K / C8QAMX24U-B match, the correct TXV is the 669564 and no additional charge needs to be added (NO CHANGES NECESSARY).
- For the \*SH1QE4M1SP42K / C8QAMX42U-B match, the correct TXV is the 669684 and no additional charge needs to be added (NO CHANGES NECESSARY).

