

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
Recommended Refrigerant suction line O.D* NOTE: 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"
REFRIGERANT CHARGE: 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:

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 *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).

