

QUICK REFERENCE DATA

*SH1BE4M SERIES SPLIT SYSTEM HEAT PUMP WITH MICROCHANNEL COILS FOR MANUFACTURED HOUSING

14 SEER

MODEL NUMBER: *SH1BE4M		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 20' line set. (1)		97	104	111	124	122

- (1) 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: *SH1BE4M		1SP24K	1SP30K	1SP36K	1SP42K	1SP48K
OD RESTRICTOR INSTALLED IN OD UNIT:		0.042	0.051	0.055	0.057	0.060
OUTDOOR UNIT BOM CHARGE (OZ.)		97	104	111	124	122
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))				
C7-X						
C7B(A,H)MX24(C,U)-B	669681	669681 (4 / 810)	--	--	--	--
C7B(A,H)MX30(C,U)-B	669682	--	669682 (3 / 980)	--	--	--
C7B(A,H)MX30(C,U)-C	669682	669682 (4 / 810)	669682 (2 / 980)	--	--	--
C7B(A,H)MX36(C,U)-B	669683	--	--	669683 (6 / 1140)	--	--
C7B(A,H)MX36(C,U)-C	669683	--	--	669683 (6 / 1140)	--	--
C7B(A,H)MX42(C,U)-C	669684	--	--	--	669684 (0 / 1205)	--
C7B(A,H)MX48(C,U)-C	669852	--	--	--	--	669852 (0 / 1510)

NOTES:

- Gray cells require the outdoor restrictor to be changed as well.
- The charges listed are only valid for the standard 20' 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 *SH1BE4M1SP30K / C8(B,D)AMO1830U-B + TXV match, the appropriate TXV is the 920669A and no additional charge is necessary (NO CHANGES REQUIRED).
- For the *SH1BE4M1SP48K / C8(B,D)AMX49U-B match, the appropriate TXV is 669568 and no additional charge is necessary. (NO CHANGES REQUIRED).

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OUTDOOR UNIT BOM CHARGE (OZ.)		97	104	111	124	122
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))				
C8+TXV						
C8(B,D)AM01830U-B+TXV	0.061	920668A (0 / 820)	920669A (0 / 980)	--	--	--
C8(B,D)AM036U-B+TXV	0.067	--	--	920670A (0 / 1195)	--	--
C8-X						
C8(B,D)AMX24U-B	669564	669564 (0 / 810)	--	--	--	--
C8(B,D)AMX30U-B	669565	--	669565 (0 / 980)	--	--	--
C8(B,D)AMX36U-B	669566	--	--	669566 (0 / 1200)	--	--
C8(B,D)AMX42U-B	669567	--	--	--	669567 (0 / 1355)	--
C8(B,D)AMX49U-B	669568	--	--	--	--	669568 (0 / 1500)

NOTES:

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

