

# QUICK REFERENCE DATA

## \*SH1BF4M Series Residential Split System Heat Pump

16 SEER

MODEL NUMBER: *SH1BF4M		2SX24K	2SX36K	2SX48K	2SX60K
REFRIGERANT SUCTION LINE O.D.* NOTE: Liquid line is 3/8" O.D. for entire length.	0-24 ft.	3/4"	7/8"	7/8"	7/8"
	25-39 ft.	3/4"	7/8"	7/8"	1-1/8" (1)
	40-75 ft.	3/4"	7/8"	7/8"	1-1/8" (1)
REFRIGERANT CHARGE: (R-410A) in ounces for outdoor unit, indoor unit, and 15' line set (3)		101	103	125	129

- (1) Requires 1-1/8" to 7/8" reducer from line to unit.  
 (2) Additional charge for line sets above 15 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.

Table 1. Physical Data

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

MODEL NUMBER: *SH1BF4M		2SX24K	2SX36K	2SX48K	2SX60K
OUTDOOR UNIT BOM CHARGE (OZ.)		101	103	125	129
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))			
<b>B6VMMX</b>					
B6VMMX24K-B	669564	669564 (0 / 855)	--	--	--
B6VMMX36K-B	669566	--	669566 (0 / 1355)	--	--
B6VMMX48K-C	669568	--	669568 (8 / 1185)	669568 (0 / 1530)	--
B6VMMX60K-C	669578	--	--	--	669578 (0 / 1835)
<b>C7+TXV</b>					
C7B(A,H)M01824(C,U)-B+TXV	0.055	<b>920669A (0 / 860)</b>	--	--	--
C7B(A,H)M03642(C,U)-B+TXV	0.071	--	<b>920670A (0 / 1190)</b>	--	--
C7B(A,H)M03648(C,U)-C+TXV	0.067	--	<b>920670A (0 / 1190)</b>	--	--
C7B(A,H)M048(C,U)-C+TXV	0.077	--	--	<b>920672A (0 / 1300)</b>	--
C7B(A,H)M048(C,U)-D+TXV	0.077	--	--	<b>920672A (0 / 1300)</b>	--
C7B(A,H)M060(C,U)-C+TXV	0.083	--	--	--	<b>920673A (-2 / 1760) ‡</b>
C7B(A,H)M060(C,U)-D+TXV	0.083	--	--	--	<b>920673A (-2 / 1760) ‡</b>

**NOTES:**

‡ Requires **REMOVAL** of refrigerant from unit.

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 \*SH1BF4M2SX24K / C7B(A,H)M01824(C,U)-B+TXV match the 920669A TXV kit needs to be installed and no additional charge needs to be added (TXV KIT).
- For the \*SH1BF4M2SX60K / B6VMMX60K-C match the correct TXV is the 669578 and no additional charge needs to be added (NO CHANGES NECESSARY).

**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 \*SH1BF4M2SX24K / C7B(A,H)M01824(C,U)-B+TXV match the 920669A TXV kit needs to be installed and no additional charge needs to be added (TXV KIT).
- For the \*SH1BF4M2SX60K / B6VMMX60K-C match the correct TXV is the 669578 and no additional charge needs to be added (NO CHANGES NECESSARY).

MODEL NUMBER: *SH1BF4M		2SX24K	2SX36K	2SX48K	2SX60K
OUTDOOR UNIT BOM CHARGE (OZ.)		101	103	125	129
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))			
<b>C7-X</b>					
C7B(A,H)MX24(C,U)-B	669681	669681 (0 / 860)	--	--	--
C7B(A,H)MX36(C,U)-B	669683	--	669683 (0 / 1190)	--	--
C7B(A,H)MX36(C,U)-C	669683	--	669683 (0 / 1190)	--	--
C7B(A,H)MX48(C,U)-C	669852	--	--	669852 (0 / 1300)	--
C7B(A,H)MX48(C,U)-D	669852	--	--	669852 (0 / 1300)	--
C7B(A,H)MX60(C,U)-C	669686	--	--	--	669686 (-2 / 1760) ‡
C7B(A,H)MX60(C,U)-D	669686	--	--	--	669686 (-2 / 1760) ‡

**NOTES:**

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

