

QUICK REFERENCE DATA

*SH(1,2)BF4M Series Residential Split System Heat Pump

16 SEER

MODEL NUMBER: *SH(1,2)BF4M		1SP24K	1SP30K	1SP36K	1SP42K	1SP48K	2SX60K
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"	7/8"
	25-39 ft.	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (1)
	40-75 ft.	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (1)
REFRIGERANT CHARGE: (R-410A) in ounces for outdoor unit, indoor unit, and 15' line set (2)		100	98	98	126	123	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.

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

Table 1. Physical Data

MODEL NUMBER: *SH(1,2)BF4M		1SP24K	1SP30K	1SP36K	1SP42K	1SP48K	2SX60K
OD RESTRICTOR INSTALLED IN OD UNIT:		0.048	0.048	0.051	0.059	0.063	669578
OUTDOOR UNIT BOM CHARGE (OZ.)		100	98	98	126	123	129
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))					
B6VMMX							
B6VMMX24K-A	669564	669564 (0 / 900)	--	--	--	--	--
B6VMMX24K-B	669564	669564 (0 / 900)	--	--	--	--	--
B6VMMX30K-A	669565	--	669565 (0 / 1090)	--	--	--	--
B6VMMX30K-B	669565	--	669565 (0 / 1090)	--	--	--	--
B6VMMX36K-B	669566	--	--	669566 (0 / 1245)	--	--	--
B6VMMX48K-C	669568	--	--	--	669568 (0 / 1320)	669568 (0 / 1435)	--
B6VMMX60K-C	669578	--	--	--	--	--	669578 (0 / 1835)
C7-X							
C7B(A,H)MX24(C,U)-B	669681	669681 (-5 / 900) ‡	--	--	--	--	--
C7B(A,H)MX30(C,U)-B	669682	--	669682 (0 / 1090)	--	--	--	--
C7B(A,H)MX36(C,U)-C	669683	--	--	669683 (10 / 1230)	--	--	--
C7B(A,H)MX48(C,U)-C	669852	--	--	--	669852 (2 / 1320)	669852 (3 / 1420)	--
C7B(A,H)MX60(C,U)-C	669686	--	--	--	--	--	669686 (-2 / 1760) ‡
C7B(A,H)MX60(C,U)-D	669686	--	--	--	--	--	669686 (-2 / 1760) ‡

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 *SH(1,2)BF4M1SN30K / B6VMMX30K-B match the appropriate TXV is the 669565 and no additional charge needs to be added (NO CHANGES NECESSARY)..
- For the *SH(1,2)BF4M2SN60K / C7B(A,H)M060(C,U)-C + TXV match the 920673A TXV kit is needed and 2 ounces of charge needs to be removed (TXV Kit AND CHARGE CHANGE).

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 *SH(1,2)BF4M1SN30K / B6VMMX30K-B match the appropriate TXV is the 669565 and no additional charge needs to be added (NO CHANGES NECESSARY)..
- For the *SH(1,2)BF4M2SN60K / C7B(A,H)M060(C,U)-C + TXV match the 920673A TXV kit is needed and 2 ounces of charge needs to be removed (TXV Kit AND CHARGE CHANGE).

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OD RESTRICTOR INSTALLED IN OD UNIT:		0.048	0.048	0.051	0.059	0.063	669578
OUTDOOR UNIT BOM CHARGE (OZ.)		100	98	98	126	123	129
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))					
C7+TXV							
C7B(A,H)M01824(C,U)-B+TXV	0.055	920668A (-5 / 900) ‡	--	--	--	--	--
C7B(A,H)M03036(C,U)-B+TXV	0.067	--	920669A (0 / 1090)	--	--	--	--
C7B(A,H)M03648(C,U)-C+TXV	0.067	--	--	920670A (10 / 1230)	--	--	--
C7B(A,H)M048(C,U)-C+TXV	0.077	--	--	--	920671A (2 / 1320)	920672A (3 / 1420)	--
C7B(A,H)M060(C,U)-C+TXV	0.083	--	--	--	--	--	920673A (-2 / 1760) ‡
C7B(A,H)M060(C,U)-D+TXV	0.083	--	--	--	--	--	920673A (-2 / 1760) ‡

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

