

QUICK REFERENCE DATA

*SH3BE4M Series Residential Split System Heat Pump

14.3 SEER2

MODEL NUMBER: *SH3BE4M		1SP18K	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.	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
	25-39 Ft.	3/4"	3/4"	3/4"	7/8" (1)	7/8"	7/8"	1-1/8" (2)
	40-75 Ft.	3/4"	3/4"	3/4"	7/8" (1)	7/8"	7/8"	1-1/8" (2)
REFRIGERANT CHARGE: R-410A in ounces for outdoor unit, indoor unit and 15' line set. (3)		95	97	96	104	124	132	128

- (1) Requires 7/8" to 3/4" reducer from line to unit.
 (2) Requires 1-1/8" to 7/8" reducer from line to unit.
 (3) 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: *SH3BE4M		1SP18K	1SP24K	1SP30K	1SP36K	1SP42K	1SP48K	2SX60K
OUTDOOR UNIT BOM CHARGE (OZ.)		95	97	96	104	124	132	128
OD RESTRICTOR INSTALLED IN OD UNIT:		0.039	0.044	0.048	0.055	0.059	0.059	N/A
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)						
B64BMMX								
B64BMMX18K-A	669564	669564 (0 / 600)	--	--	--	--	--	--
B64BMMX24K-A	669564	--	669564 (0 / 750)	--	--	--	--	--
B64BMMX24K-B	669564	--	669564 (0 / 765)	--	--	--	--	--
B64BMMX30K-B	669565	--	--	669565 (0 / 930)	--	--	--	--
B64BMMX36K-B	669566	--	--	--	669566 (0 / 1200)	--	--	--
B64BMMX42K-C	669567	--	--	--	--	669567 (0 / 1400)	--	--
B64EMMX								
B64EMMX24K-A	669564	669564 (0 / 630)	669564 (0 / 900)	--	--	--	--	--
B64EMMX24K-B	669564	669564 (0 / 600)	669564 (0 / 850)	--	--	--	--	--
B64EMMX30K-A	669565	--	--	669565 (0 / 990)	--	--	--	--
B64EMMX30K-B	669565	--	--	669565 (0 / 970)	--	--	--	--
B64EMMX36K-B	669566	--	--	--	669566 (0 / 1200)	--	--	--
B64EMMX42K-B	669567	--	--	--	--	669567 (0 / 1250)	--	--
B64EMMX48K-C	669568	--	--	--	--	--	669568 (0 / 1540)	--
B64VMMX								
B64VMMX60K-C	669578	--	--	--	--	--	--	669578 (0 / 1870)

NOTES:

- ‡ Requires REMOVAL of refrigerant from unit.
- 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 *SH3BE4M1SP30K / B64BMMX30K-B match the appropriate TXV is 669565 and 0 ounces of refrigerant will need to be added. (NO CHANGES NEEDED)
- For the *SH3BE4M1SP30K / B64EW-X30K(*) match the appropriate TXV is 669565 and 2 ounces of refrigerant should be REMOVED from the system. (REDUCTION IN CHARGE)

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OD RESTRICTOR INSTALLED IN OD UNIT:		0.039	0.044	0.048	0.055	0.059	0.059	N/A
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)						
B64EW								
B64EW-X18K(*)	669564	669564 (-4 / 640)‡	--	--	--	--	--	--
B64EW-X24K(*)	669564	--	669564 (-10 / 850)‡	--	--	--	--	--
B64EW-X30K(*)	669565	--	--	669565 (-2 / 950)‡	--	--	--	--

NOTES:

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