

QUICK REFERENCE DATA

*SH4BE5M Series Residential Split System Heat Pump

14.3 SEER2 - 7.5 HSPF2

MODEL NUMBER *SH4BE5M		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" (1)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
	25-39 ft.	5/8" (1)	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
	40-75 ft.	5/8" (1)	3/4"	7/8" (2)	7/8"	7/8"	7/8"	7/8"
FACTORY R-454B REFRIGERANT CHARGE in ounces for outdoor unit, indoor unit & 15' lineset.		78	82	85	92	105	105	100

NOTES:

- Always use good piping practices when configuring unit line sets.
- Additional Charge Per Foot Guidance:
 - Always calculate the ideal unit charge based on the actual piping length.
 - For configurations with the indoor unit located above the outdoor, always ensure that a subcooled liquid exists at the indoor unit.
 - Units using 1-1/8" suction lines may use 1/2" liquid lines. Requires 3/8" to 1/2" reducer from line to unit.

OUNCES OF R-454B PER FOOT OF LINE-SET		
ACR Suct. Size	3/8" Liquid	1/2" Liquid
5/8	0.531	- na -
3/4	0.559	- na -
7/8	0.588	1.035
1-1/8	0.667	1.115

Table 1. Physical Data

- (1) Requires 3/4" to 5/8" reducer from line to unit.
 (2) Requires 7/8" to 3/4" reducer from line to unit.

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 TXV and charge addition for this match are listed.

Examples

- For the *SH4BE5M1SP30K / C75B(A,H)MX30(C,U)-B match the appropriate TXV is 1046719 and 0 ounces of refrigerant will need to be added before using the charging chart. (NO CHANGES NECESSARY)
- For the *SH4BE5M1SP36K / B65BMMX36K-B match the appropriate TXV is 1046719 and 0 ounces of refrigerant will need to be added before using the charging chart. (NO CHANGES NECESSARY)

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.

NOTES:

The charges listed are only valid for the standard 15' lineset.

Part numbers beginning with 10467** are R454B TXV part numbers.

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*SH4BE5M Series Residential Split System Heat Pump

14.3 SEER2 - 7.5 HSPF2

MODEL NUMBER: *SH4BE5M		1SP18K	1SP24K	1SP30K	1SP36K	1SP42K	1SP48K	2SX60K
OUTDOOR UNIT, FACTORY CHARGE (OZ.)		78	82	85	92	105	105	100
MODELS	SUPPLIED WITH ID	REQUIRED TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)						
B65BMMX								
B65BMMX18K-A	1046709	1046709 (0/670)	--	--	--	--	--	--
B65BMMX24K-A	1046705	--	1046705 (0/850)	--	--	--	--	--
B65BMMX24K-B	1046705	--	1046709 (0/850)	--	--	--	--	--
B65BMMX30K-B	1046719	--	--	1046719 (0/970)	--	--	--	--
B65BMMX36K-B	1046719	--	--	--	1046719 (0/1,160)	--	--	--
B65BMMX42K-C	1046719	--	--	--	--	1046719 (0/1,400)	--	--
B65EMMX								
B65EMMX48K-C	1046727	--	--	--	--	--	1046727 (0/1,500)	--
B65VMMX								
B65VMMX24K-B	1046719	1046719 (0/700)	1046719 (0/850)	--	--	--	--	--
B65VMMX3648K-C	1046727	--	--	1046727 (0/1,100)	1046727 (0/1,200)	1046727 (0/1,400)	1046727 (0/1,500)	--
B65VMMX60K-C	1046729	--	--	--	--	--	--	1046729 (0/1,990)
C75B(A,H)MX								
C75B(A,H)MX24(C,U)-A	1046705	--	1046705 (0/850)	--	--	--	--	--
C75B(A,H)MX24(C,U)-B	1046705	--	1046705 (0/830)	--	--	--	--	--
C75B(A,H)MX30(C,U)-A	1046719	--	--	1046719 (0/985)	--	--	--	--
C75B(A,H)MX30(C,U)-B	1046719	--	--	1046719 (0/1,035)	--	--	--	--
C75B(A,H)MX30(C,U)-C	1046719	--	1046719 (0/850)	1046719 (0/940)	--	--	--	--
C75B(A,H)MX36(C,U)-B	1046719	--	--	--	1046719 (0/1,195)	--	--	--
C75B(A,H)MX3642(C,U)-C	1046719	--	--	--	1046719 (0/1,200)	1046719 (0/1,410)	--	--
C75B(A,H)MX4860(C,U)-C	1046729	--	--	--	--	--	1046729 (0/1,430)	--
C75B(A,H)MX4860(C,U)-D	1046729	--	--	--	--	--	1046729 (0/1,450)	--

Table 2. TXV / Charge Addition (Oz)

