

QUICK REFERENCE DATA

*SH4BF5M Series Residential Split System Heat Pump

15.2 SEER2

Table 1. Physical Data

MODEL NUMBER:*SH4BF5M		2SX24K	2SX36K	2SX48K	2SX60K
REFRIGERANT SUCTION LINE O.D.* NOTE: Liquid line is 3/8" O.D. for entire length.	0-24 ft.	5/8"	3/4"	7/8"	7/8"
	25-39 ft.	3/4"	7/8"	7/8"	7/8"
	40-75 ft.	3/4"	7/8"	7/8"	1-1/8"
FACTORY R-454B REFRIGERANT CHARGE: in ounces for outdoor unit, indoor unit, and 15' line set (2)		86	90	102	104

NOTES:

- Always use good piping practices when configuring unit line sets.
- Additional Charge Per Foot Guidance:
 - (a) Always calculate the ideal unit charge based on the actual piping length.
 - (b) For configurations with the indoor unit located above the outdoor, always ensure that a subcooled liquid exists at the indoor unit.
 - (c) 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	0.529	- na -
3/4	0.557	- na -
7/8	0.585	1.032
1-1/8	0.664	1.111

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

Table 2. TXV / Charge Addition (Oz)

MODEL NUMBER: *SH4BF5M		2SX24K	2SX36K	2SX48K	2SX60K
OUTDOOR UNIT BOM CHARGE (OZ.)		86	90	102	104
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))			
B65VMMX					
B65VMMX24K-B	1046719	1046719 (0 / 855)	--	--	--
B65VMMX3648K-C	1046727	--	1046727 (0 / 1,250)	1046727 (0 / 1,550)	--
B65VMMX60K-C	1046729	--	--	--	1046729 (0 / 2,015)

NOTES:

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

Part numbers beginning with 10467*** are R-454B TXV part numbers.

Metering devices with part numbers beginning with 664*** are fixed orifices. The final 3 numbers are the orifice size.

For example, 664053 is a 0.053" fixed orifice.

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.

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 TXV and charge addition for this match are listed.

Example:

- For the *SH4BF5M2SX24K / B65VMMX24K-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)

