

QUICK REFERENCE DATA

*SH4ME5M Series Split System Heat Pump for Manufactured Housing 14.3 SEER2 - 7.5 HSPF2

MODEL NUMBER *SH4ME5M		1SP24K	1SP30K	1SP36K	1SP42K	1SP48K
REFRIGERANT SUCTION LINE O.D. NOTE: Liquid line is 3/8" O.D.	0-24 Ft.	3/4"	3/4"	3/4"	7/8"	7/8"
	25-39 Ft.	3/4"	3/4"	3/4"	7/8"	7/8"
	40-75 Ft.	3/4"	3/4"	7/8" (1)	7/8"	7/8"
FACTORY R-454B REFRIGERANT CHARGE in ounces for outdoor unit, C85-X indoor & 20' Lineset.		76	85	90	103	107

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 sub-cooled 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 7/8" to 3/4" reducer from line to unit

Table 1. Physical Data

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.

Examples

- For the *SH4ME5M1SP36K/C85DAMX3036U-B unit match the appropriate TXV is 1046719 and zero ounces of refrigerant needs to be added to the system when a 20 foot line-set is utilized. Charge Adjustment for alternate line-set lengths should be calculated per the instructions provided with table 1 and the data contained within it.

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.

***SH4ME5M Series Split System Heat Pump for Manufactured Housing 14.3 SEER2 - 7.5 HSPF2**

MODEL NUMBER: *SH4ME5M		1SP24K	1SP30K	1SP36K	1SP42K	1SP48K
OD RESTRICTOR SUPPLIED WITH OD UNIT:		0.041	0.042	0.048	0.048	0.055
OUTDOOR UNIT, FACTORY CHARGE (OZ.)		76	85	90	103	107
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)				
C85D-X						
C85DAMX24U-B	1046707	1046707 (0 / 885)	--	--	--	--
C85DAMX3036U-B	1046719	--	1046719 (0 / 1100)	--	--	--
C85DAMX3036U-B	1046719	--	--	1046719 (0 / 1100)	--	--
C85DAMX43U-B	1046713	--	--	--	1046713 (0 / 1325)	--
C85DAMX4960U-B + E7 + Blower Kit	1046729	--	--	--	--	1046729 (0 / 1375)

NOTES:
The charges listed are only valid for the standard 20' lineset.
Restrictors are shown by the size indicated, TXV's are shown with part numbers. Part numbers beginning with 10467** are R454B TXV part numbers.

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