

QUICK REFERENCE DATA

GSH2BE4M SERIES SPLIT SYSTEM HEAT PUMP WITH MICROCHANNEL COILS FOR MANUFACTURED HOUSING

14 SEER

MODEL NUMBER: GSH2BE4M		1SP24K	1RP30K	1SP36K	1SP42K	1SP48K
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"
	25-39 ft.	3/4"	3/4"	7/8"	7/8"	7/8"
	40-75 ft.	3/4"	3/4"	7/8"	7/8"	7/8"
Refrigerant Charge: (R-410A) in ounces for outdoor unit, indoor unit, and 20' line set (1)		97	112	110	123	121

(1) Additional charge for line sets above 20 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: GSH2BE4M		1SP24K	1RP30K	1SP36K	1SP42K	1SP48K
OD RESTRICTOR INSTALLED IN OD UNIT:		664042	664049	664055	664057	664060
OUTDOOR UNIT BOM CHARGE (OZ.)		97	112	110	123	121
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))				
C8-X						
C8(B,D)AMX24U-B	669564	669564 (0 / 820)	--	--	--	--
C8(B,D)AMX30U-B	669565	--	669565 (0 / 1010)	--	--	--
C8(B,D)AMX36U-B	669566	--	--	669566 (0 / 1200)	--	--
C8(B,D)AMX42U-B	669567	--	--	--	669567 (0 / 1355)	--
C8(B,D)AMX49U-B	669568	--	--	--	--	669568 (0 / 1460)
C8+TXV						
C8(B,D)AM01830U-B+TXV	664061	920668A (0 / 820)	920669A (0 / 1010)	--	--	--
C8(B,D)AM036U-B+TXV	664067	--	--	920670A (0 / 1195)	--	--

NOTES:

‡ Requires **REMOVAL** of refrigerant from unit.

• The charges listed are only valid for the standard 20' lineset.

• Metering devices with part numbers beginning with 664*** are fixed orifices. The final 3 numbers are the orifice size. For example, 664055 is a 0.055" 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.

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 GSH2BE4M1RP30K / C(B,D)AMX30U-B the correct TXV is 669565 and no additional charge needs to be added (NO CHANGES NECESSARY).
- For the GSH2BE4M1SP36K / C8(B,D)AM036U-B+TXV the 920670A TXV is necessary and no additional charge needs to be added (TXV KIT).

