

QUICK REFERENCE DATA

HSA1QD4M SERIES SPLIT SYSTEM AIR CONDITIONER WITH QUICK CONNECT COUPLINGS

13 SEER

MODEL NUMBER HSA1QD4M	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
RECOMMENDED REFRIGERANT SUCTION LINE O.D.*	0-24 ft. 3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
NOTE: Liquid line is 3/8" O.D. for entire length.	25-39 ft. 3/4"	3/4"	7/8" (1)	7/8"	7/8"	1 1/8" (2)
	40-75 ft. 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, & 15' Lineset	50	51	51	81	76	111.6

(1) Requires 3/4" to 7/8" adapter from unit to line.

(2) Requires 7/8" to 1-1/8" adapter from unit to line.

* For other line set dimensions, refer to the Application Guidelines for Refrigerant Lines Addendum.

Table 1. Physical Data

MODEL NO. HSA1QD4M		1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
TOTAL SYSTEM CHARGE (OZ.)		50	51	51	81	76	111.6
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)					
C8							
C8QAM024U-B	0.055	0.055 (0 / 705)	--	--	--	--	--
C8QAM030U-B	0.061	--	0.061 (0 / 960)	--	--	--	--
C8QAM036U-B	0.067	--	--	0.067 (0 / 1190)	--	--	--
C8-X							
C8QVMX42U-C	669567	--	--	--	669567 (-20 / 1265) ‡	--	--
C8QVMX48U-C	669568	--	--	--	--	669568 (-15 / 1275) ‡	--
CM4							
CM4Q-53U	TXV	--	--	--	TXV (0 / 1250)	--	--
CM4Q-54U	TXV	--	--	--	--	TXV (0 / 1450)	TXV (0 / 1450)
CM4Q-55U	TXV	--	--	--	--	TXV (0 / 1500)	--
CM4Q-56U	TXV	--	--	--	--	--	TXV (0 / 1600)

NOTES:

- The charges listed are only valid for the standard 15' lineset.
- Numbers listed as 0.*** are restrictor diameters, while numbers listed as 669*** are TXV part numbers.
- ‡ Requires REMOVAL of refrigerant from unit.

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 HSA1QD4M1SN24K / C8QAM024U-B match, the appropriate restrictor is the 0.055" and no additional charge needs to be added. (NO CHANGES REQUIRED)
- For the HSA1QD4M1SN48K / CM4Q-54U match, the correct TXV is supplied with the indoor unit and no additional refrigerant needs to be added to the system (NO CHANGES REQUIRED).

