

QUICK REFERENCE DATA

RSA1QD4M SERIES SPLIT SYSTEM AIR CONDITIONER WITH QUICK CONNECT COUPLINGS

13 SEER

MODEL NUMBER RSA1QD4M		1RN24K	1RN30K	1RN36K	1RN42K	1RN48K
REFRIGERANT SUCTION LINE O.D.* NOTE: Liquid line is 3/8" O.D. for entire length.	0-24 ft.	3/4"	3/4"	3/4"	7/8"	7/8"
	25-39 ft.	3/4"	3/4"	7/8" (1)	7/8"	7/8"
	40-75 ft.	3/4"	3/4"	7/8" (1)	7/8"	7/8"
REFRIGERANT CHARGE: R-410A in ounces for outdoor unit, indoor unit, & 15' Lineset		70	73	85	91	85

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

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

Table 1. Physical Data

MODEL NO. RSA1QD4M		1RN24K	1RN30K	1RN36K	1RN42K	1RN48K
TOTAL SYSTEM CHARGE (OZ.)		70	73	85	91	85
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)				
MORTEX COIL						
1836M4A	TXV	TXV (0 / 810)	TXV (0 / 1035)	--	--	--
1854M4A	TXV	--	--	TXV (0 / 1190)	TXV (0 / 1250)	--
1856M4A	TXV	--	--	--	--	TXV (0 / 1450)

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 RSA1QD4M1SN42K / 1854M4A match the appropriate TXV is the factory installed TXV and no additional charge needs to be added (NO CHANGES NEEDED).
- For the RSA1QD4M1SN48K / 1856M4A match the appropriate TXV is the factory installed TXV and no additional charge needs to be added (NO CHANGES NEEDED).

