

QUICK REFERENCE DATA

RSA1BD4M Series Split System Air Conditioner for Manufactured Housing

13 SEER

MODEL NUMBER: RSA1BD4M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K
RECOMMENDED 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"	3/4"	7/8"	7/8"
	25 - 39 ft.	3/4"	3/4"	3/4"	7/8" (1)	7/8"	7/8"
	40 - 75 ft.	3/4"	3/4"	3/4"	7/8" (1)	7/8"	7/8"
REFRIGERANT CHARGE R-410A in ounces for outdoor unit & 20' Lineset. (2)		64	65	68	72	85	80

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

(2) 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.

Table 1. Physical Data

MODEL NUMBER: RSA1BD4M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K
OUTDOOR UNIT BOM CHARGE (OZ.)		64	65	68	72	85	80
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))					
MORTEX COIL							
1836S4A	TXV	TXV (0 / 535)	TXV (0 / 680)	TXV (0 / 940)	--	--	--
1854S4A	TXV	--	--	--	TXV (0 / 950)	TXV (0 / 1250)	--
1856S4A	TXV	--	--	--	--	--	TXV (0 / 1450)

NOTES:

- The charges listed are only valid for the standard 20' lineset.
- Numbers listed as 0.*** are restrictor diameters, while numbers listed as 669*** are TXV part numbers.

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 RSA1BD4M1SN24K / 1836S4A match, the appropriate TXV is the factory installed TXV and no additional charge needs to be added (NO CHANGES NEEDED).
- For the RSA1BD4M1SN48K / 1856S4A match, the appropriate TXV is the factory installed TXV and no additional charge needs to be added (NO CHANGES NEEDED).

