

# QUICK REFERENCE DATA

## SA1QE4M1R SERIES SPLIT SYSTEM AIR CONDITIONER WITH QUICK CONNECT COUPLINGS

14 SEER

MODEL NUMBERS: SA1QE4M1RN			24K	30K
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1	
	Total Amps		9.0	10.8
	Delay Fuse Max. (2)		15	20
	Min. Circuit Ampacity		11.1	13.3
Condenser Data	Coil	Area	11.7	15.2
		Rows-FPI	1-23	1-18
		Tube Dia	Micro-Channel	
	Fan Motor	Type	PSC	
		Amps	0.7	0.9
		HP	0.10	0.13
	Compressor Data	RLA	8.3	9.9
		LRA	50.0	69.0
Refrigerant suction line O.D NOTE: Liquid line is 3/8" O.D. for entire length.		0-24 ft.	3/4"	
		25-39 ft.	3/4"	
		40-75 ft.	3/4"	
Refrigerant charge: R-410A in ounces for outdoor unit, indoor unit, & 15' Lineset			64.0	69.0
APPROXIMATE WEIGHT (LBS.)		Net	DATA UNAVAILABLE AT TIME OF PRINT	
		Ship		

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers may be used.

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

Table 1. Electrical Specifications & Physical Data

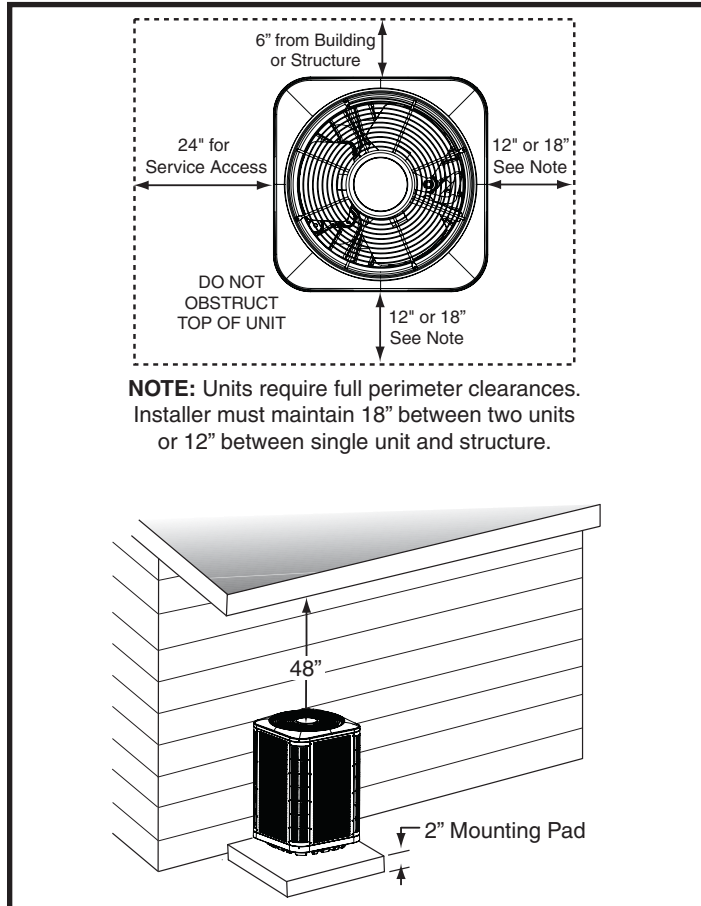


Figure 1. Clearance Requirements

WIRE GAUGE	RECOMMENDED MAXIMUM WIRE LENGTH (FT) FROM UNIT TO THERMOSTAT
22	45
20	70
18	115
16	180

Table 2. Thermostat Wire Gauge

MODEL NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
*SA1QE4M1RN24K	32 1/2"	23 3/4"	23 3/4"
*SA1QE4M1RN30K	29 1/4"	31 3/4"	31 3/4"

Table 3. Unit Dimensions

**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. If the text in this cell is **BOLD**, then a change of orifice is necessary.
4. If a change in restrictor is necessary, then the appropriate restrictor will already be supplied with the outdoor unit.

**Examples:**

- For the RSA1QE4M1RN24K / C8QAMX24U-B match, the correct TXV is the 669564 and no additional charge needs to be added. (NO CHANGES NECESSARY)
- For the RSA1QE4M1RN30K / C8QAMX30U-B match, the correct TXV is the 669565 and no additional charge needs to be added. (NO CHANGES NECESSARY)

ID RESTRICTOR INSTALLED WITH ID UNIT	MODEL NUMBERS: *SA1QE4M1RN		24K	30K
	TOTAL SYSTEM CHARGE (OZ.)		64	69
	MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)	
	C8-X			
	C8QAMX24U-B	669564	669564 (0 / 780)	--
	C8QAMX30U-B	669565	--	669565 (0 / 1000)

**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.

**Table 4. Restrictor or TXV / Charge Addition (Oz)**

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.