

QUICK REFERENCE DATA

*SA1QE4M1S Series Residential Split System Air Conditioner

14 SEER

MODEL NUMBER: *SA1QE4M1SN			24K	30K	36K	42K	48K
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1				
	Total Amps		14.4	15.0	15.1	19.4	21.3
	Delay Fuse Max. (2)		30	30	30	40	45
	Min. Circuit Ampacity		17.7	18.5	18.6	23.9	26.3
Condenser Data	Coil	Area	11.7	15.2	20.3	22.8	22.8
		Rows-FPI	1-23	1-18	1-18	1-18	1-18
		Tube Dia	Micro-Channel				
	Fan Motor	Type	PSC				
		Amps	0.9	0.9	1.0	1.5	1.5
		HP	0.13	0.13	0.20	0.25	0.25
	Compressor Data	RLA	13.4	14.1	14.1	17.9	19.8
LRA		58.3	73.0	77.0	112.0	109.0	
Refrigerant suction line O.D.		0-24 ft.	3/4"	3/4"	3/4"	7/8"	7/8"
NOTE: Liquid line is 3/8" O.D. for entire length.		25-39 ft.	3/4"	3/4"	7/8" (3)	7/8"	7/8"
		40-75 ft.	3/4"	3/4"	7/8" (3)	7/8"	7/8"
Refrigerant charge: R-410A in ounces for outdoor unit, indoor unit, & 15' Lineset			58.0	66.0	69.0	98.0	96.0
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

THERMOSTAT WIRE GAUGE	RECOMMENDED T-STAT WIRE UNIT TO T-STAT (LENGTH IN FT)	
	2-WIRE (HEATING)	5-WIRE (HEATING/COOLING)
24	55	25
22	90	45
20	140	70
18	225	110

Table 2. Thermostat Wire Gauge

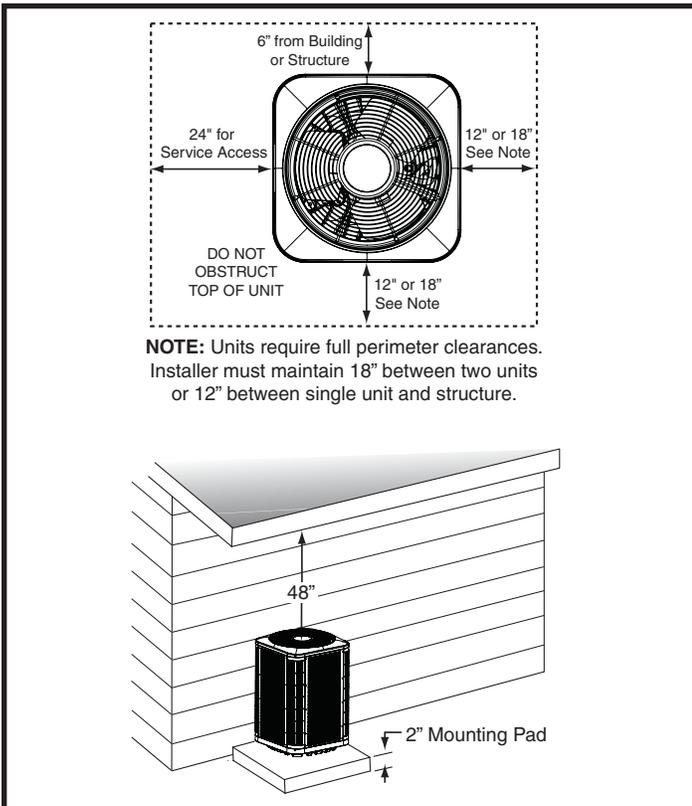
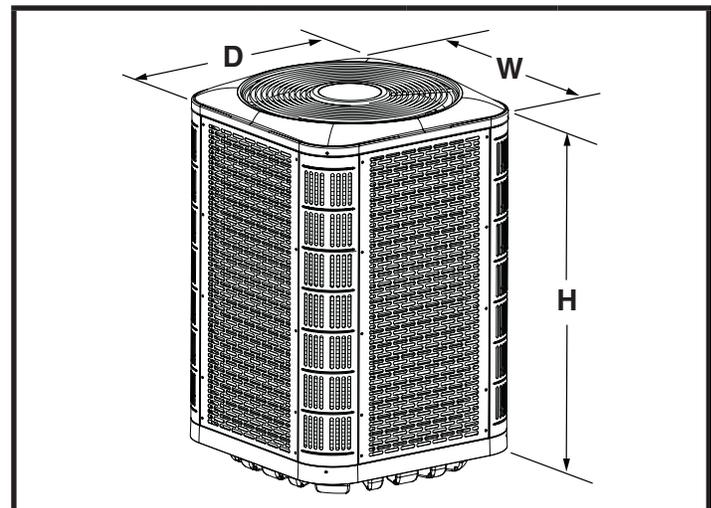


Figure 1. Clearance Requirements



MODEL NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
*SA1QE4M1SN24K	32 1/2"	23 3/4"	23 3/4"
*SA1QE4M1SN30K	29 1/4"	31 3/4"	31 3/4"
*SA1QE4M1SN36K	37 1/4"	31 3/4"	31 3/4"
*SA1QE4M1SN42K	41 1/4"	31 3/4"	31 3/4"
*SA1QE4M1SN48K	41 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 *SA1QE4M1SN24K / C8QAMX24U-B match the correct TXV is the 669564 and no additional charge needs to be added. (NO CHANGES NECESSARY)
- For the *SA1QE4M1SN48K / CM4Q-L60U match the correct TXV is supplied with the indoor coil and no additional charge needs to be added. (NO CHANGES NECESSARY)

MODEL NUMBER: *SA1QE4M1SN		24K	30K	36K	42K	48K
OUTDOOR UNIT BOM CHARGE (OZ.)		58	66	69	98	96
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)				
C8-X						
C8QAMX24U-B	669564	669564 (0 / 845)	--	--	--	--
C8QAMX30U-B	669565	--	669565 (0 / 945)	--	--	--
C8QAMX36U-B	669566	--	--	669566 (0 / 1200)	--	--
C8+TXV						
CM4Q-G42U	TXV	--	--	--	TXV / 0 / 1400	--
CM4Q-R42U	TXV	--	--	--	TXV / 0 / 1400	--
CM4Q-G48U	TXV	--	--	--	--	TXV / 0 / 1430
CM4Q-L48U	TXV	--	--	--	--	TXV / 4 / 1430
CM4Q-W60U	TXV	--	--	--	--	--
CM4Q-L60U	TXV	--	--	--	--	--

NOTES:

- The charges listed are only valid for the standard 15' lineset.
- Part numbers beginning with 669***are TXV part numbers and numbers listed as 0.*** are restrictor diameters.

**Table 4. REQUIRED RESTRICTOR OR TXV
(CHARGE ADDITION (OZ) / RATED AIRFLOW -SCFM) - Continued**

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.

