

QUICK REFERENCE DATA

*S4QD SERIES RESIDENTIAL SPLIT SYSTEM AIR CONDITIONER

MODEL NUMBER *S4QD			024KC	030KC	036KC	042KD	048KC	060KB	
ELECTRICAL DATA	Volts-Cycles-Phase (1)		208/230-60-1						
	Total Amps		13.5	14.8	18.0	19.4	23.2	27.8	
	Delay Fuse Max. (2)		25	30	35	40	50	60	
	Min. Circuit Ampacity		16.7	18.3	22.2	23.9	28.7	34.4	
CONDENSER DATA	Coil	Area	8.3	10.0	10.0	15.3	15.3	17.9	
		Rows-FPI	1-18						
		Tube Dia	Micro-Channel						
	Fan Motor	Type	PSC						
		Amps	0.7	0.7	1.4	1.5	1.5	1.5	
		HP	0.1	0.1	0.25	0.25	0.25	0.25	
	Compressor Data	RLA	12.8	14.1	16.6	17.9	21.8	26.4	
		LRA	58.3	73.0	79.0	112.0	117.0	134.0	
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"	7/8"	7/8"	7/8"
			25-39 ft.	3/4"	3/4"	7/8" (3)	7/8"	7/8"	1 1/8 (4)
			40-75 ft.	3/4"	3/4"	7/8" (3)	7/8"	7/8"	1 1/8 (4)
REFRIGERANT CHARGE: R-410A in ounces for outdoor unit, indoor unit, & 15' Lineset			46	40	51	81	76	111.6	
APPROXIMATE WEIGHT (LBS.)		Net	125	138	140	179	179	188	
		Ship	130	144	146	187	187	197	

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

(2) HACR Type Circuit Breakers may be used.

(3) 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. Electrical Specifications & Physical Data

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

Table 2. Control Wiring (24V)

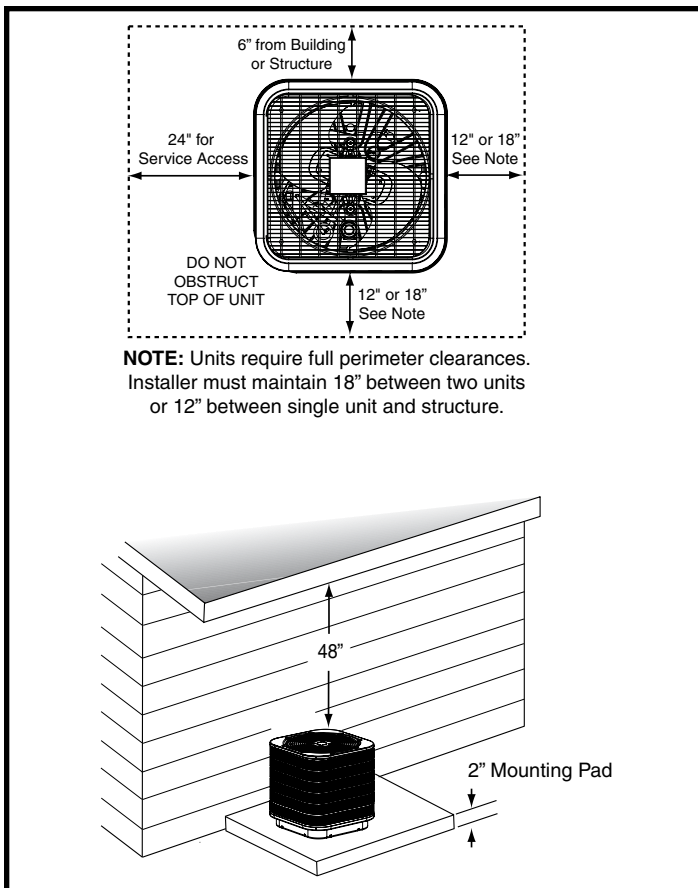


Figure 1. Clearance Requirements

MODEL NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
*S4QD-024KC	23"	22 3/4"	22 3/4"
*S4QD-030KC	27"	22 3/4"	22 3/4"
*S4QD-036KC	27"	22 3/4"	22 3/4"
*S4QD-042KD	27"	30 3/4"	30 3/4"
*S4QD-048KC	27"	30 3/4"	30 3/4"
*S4QD-060KB	31"	30 3/4"	30 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 *S4QD-024KC / C8QAM024U-B match the appropriate restrictor is the 0.055" and no additional charge needs to be added. (NO CHANGES REQUIRED)
- For the *S4QD-048KC / 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).

ID RESTRICTOR INSTALLED WITH ID UNIT	MODEL NO. *S4QD		24KC	30KC	36KC	42KD	48KC	60KB
	TOTAL SYSTEM CHARGE (OZ.)		46	40	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)	--	--	--
	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.

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