

# QUICK REFERENCE DATA

## DS4QD Series Residential Split System Air Conditioner

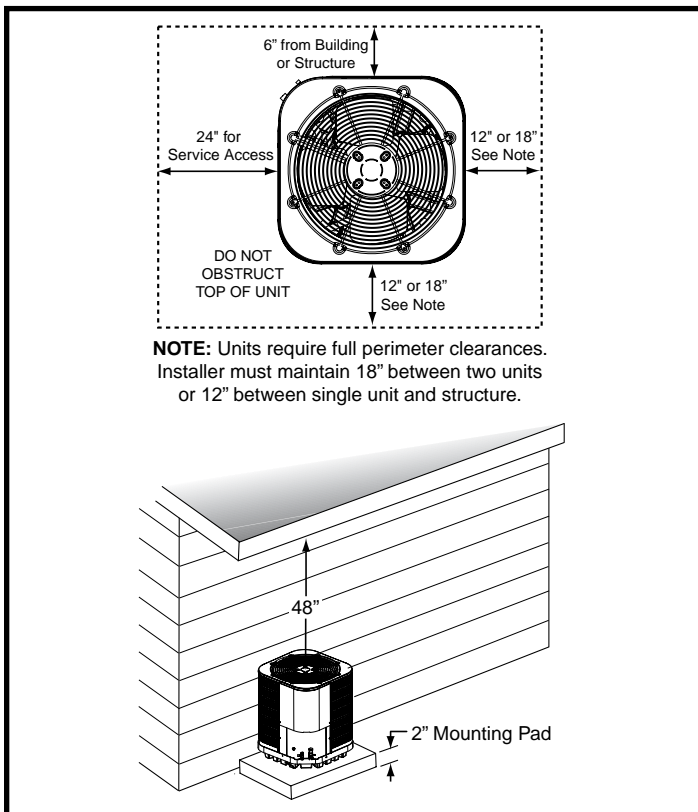
Model Number DS4QD			024KC	030KC	036KC	042KC	048KB	060KB
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1					
	Total Amps		13.5	14.8	18.0	19.4	23.2	27.8
	Delay Fuse Max. (2)		25	30	35	40	50	60
	Min. Circuit Ampacity		16.7	18.3	22.2	23.9	28.7	34.4
Condenser Data	Coil	Area	8.3	10.0	10.0	15.3	15.3	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
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	65	102	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.
- (4) Additional charge for line sets above 15 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. 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)
DS4QD-024KC	23"	22 3/4"	22 3/4"
DS4QD-030KC	27"	22 3/4"	22 3/4"
DS4QD-036KC	27"	22 3/4"	22 3/4"
DS4QD-042KC	27"	30 3/4"	30 3/4"
DS4QD-048KB	27"	30 3/4"	30 3/4"
DS4QD-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 DS4QD-024KC / C8QAM01824U-B match the appropriate restrictor is the 0.055" and no additional charge needs to be added. (NO CHANGES REQUIRED)
- For the S4QD-048KB / CM4Q-53U match the correct TXV is supplied with the indoor unit and no additional charge needs to be added. (NO CHANGES REQUIRED).

ID Restrictor Installed With ID Unit	Model No. DS4QD		24KC	30KC	36KC	42KC	48KB	60KB
	Total System Charge (Oz.)		46	40	51	65	102	111.6
	MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV / CHARGE ADDITION (OZ)					
	C8							
	C8QAM01824U-B	0.055	0.055 / 0	--	--	--	--	--
	C8QAM030U-B	0.061	--	0.061 / 0	--	--	--	--
	C8QAM036U-B	0.067	--	--	0.067 / 0	--	--	--
	C8QAM042U-B	0.072	--	--	--	0.072 / 0	--	--
	CM4							
	CM4Q-53U	TXV	--	--	--	--	TXV / 0	--
	CM4Q-54U	TXV	--	--	--	--	--	TXV / 0
	CM4Q-56U	TXV	--	--	--	--	TXV / 0	TXV / 0

**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)**