

QUICK REFERENCE DATA

*SA1BG4MV Series Residential Split System Air Conditioner

MODEL NUMBER: *SA1BG4MVRN			24K*	36K*	48K*	60K*
ELECTRICAL DATA	Volts-Cycles-Phase ⁽¹⁾		208/230-60-1			
	Total Amps		22.6	22.6	26.6	35.8
	Delay Fuse Max. ⁽²⁾		45	45	50	70
	Min. Circuit Ampacity		27.6	27.6	32.6	43.8
	Field Control Wiring Connections (24 vac from thermostat/indoor side)		R, C, Y1, Y2			
CONDENSER DATA	Fan Motor	Type	Brushless DC			
		HP	1/3	1/3	1/3	1/2
	Compressor Data	RLA	20	20	24	32
		LRA	N/A	N/A	N/A	N/A
	Service Valves	Liquid Side	3/8"	3/8"	3/8"	3/8"
		Vapor Side	3/4"	7/8"	7/8"	7/8"
Installation Refrigerant Vapor Line Size (All liquid lines 3/8" OD)		0 - 24 ft. equiv.	3/4"	7/8"	7/8"	7/8"
		25 - 39 ft. equiv.	3/4"	7/8"	1-1/8"	1-1/8"
		40 - 75 ft. equiv.	7/8"	1-1/8"	1-1/8"	1-1/8"
		75 - 100 ft. equiv.	1-1/8"	1-1/8"	1-1/8"	1-1/8"
Refrigerant Type			R-410A			
Refrigerant Charge (oz.), 15 ft. line set (factory charge)			71 ⁽³⁾	80 ⁽³⁾	98 ⁽³⁾	111 ⁽³⁾
Weight Approximate (lbs.)		As shipped	149	192	223	235
		Net	165	215	248	260

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

(2) HACR Type Circuit Breakers may be used.

(3) Additional charge required for line sets above 15 feet. Values based on vapor 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

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

Table 2. Control Wiring (24V)

<p>Model JSA1BG4MV Shown</p>			
MODEL NUMBER	HEIGHT (H)	WIDTH (W)	DEPTH (D)
SA1BG4MVRN24K	36 1/2"	23 3/4"	23 3/4"
SA1BG4MVRN36K	37 1/4"	31 3/4"	31 3/4"
SA1BG4MVRN48K	45 1/4"	31 3/4"	31 3/4"
SA1BG4MVRN60K	45 1/4"	31 3/4"	31 3/4"

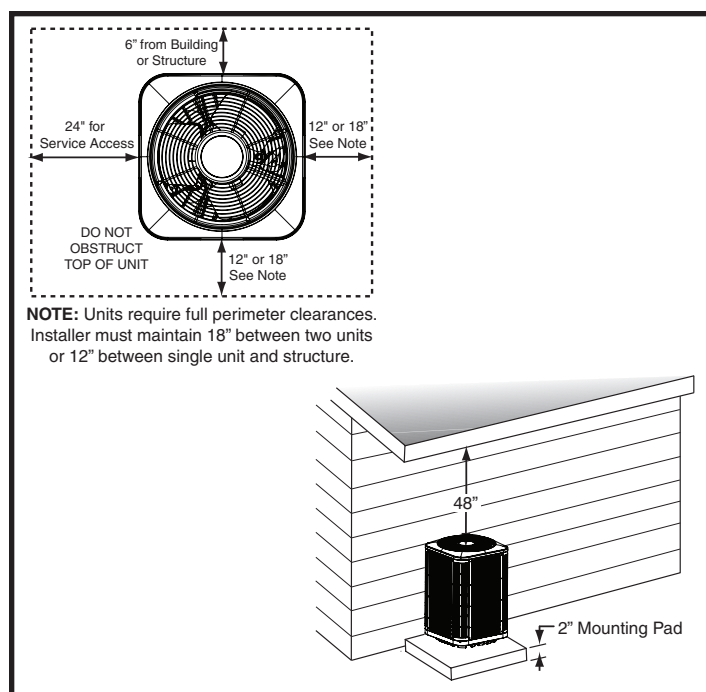


Figure 1. Clearance Requirements

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 charge addition and airflow for this match are listed.

ID RESTRICTOR INSTALLED WITH INDOOR UNIT	MODEL NUMBER: *SA1BG4MVRN	24K*	36K*	48K*	60K*
	OUTDOOR UNIT FACTORY CHARGE (OZ.):	71	80	98	111
	MODELS	CHARGE ADDITION (OZ) / RATED CFM (4)			
	B64VM				
	B64VMMX24K-B	(0 / 855)	--	--	--
	B64VMMX36K-B	--	(0 / 1200)	--	--
	B64VMMX48K-C	--	--	(0 / 1550)	--
	B64VMMX60K-C	--	--	--	(0 / 1600)
	C74-X				
	C74BHMx24C-A	(0/745)	--	--	--
	C74BHMx24C-B	(0 / 800)	--	--	--
	C74BHMx36C-B	--	(0 / 1060)	--	--
	C74BHMx36C-C	--	(0 / 1155)	--	--
	C74BHMx48C-C	--	--	(0 / 1470)	--
	C74BHMx48C-D	--	--	(0 / 1500)	--
	C74BHMx60C-C	--	--	--	(0 / 1575)
	C74BHMx60C-D	--	--	--	(0 / 1755)

NOTES:

- ⁽⁴⁾ Charge addition is for coil change only. For line sets longer than 15 feet see Installation Instructions.
CFM refers to blower flow at rating point. Refer to indoor unit air flow setting information in the Installation Instructions for that unit.

Table 4. Charge Addition (Oz)/Airflow

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.

