

QUICK REFERENCE DATA

*SA4BD5M Series Residential Split System Air Conditioner

13.4 SEER2

MODEL NUMBER *SA4BD5M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
REFRIGERANT SUCTION LINE O.D. NOTE: Liquid line is 3/8" O.D. for entire length.	0-24 ft.	5/8" (1)	5/8" (1)	3/4"	3/4"	7/8"	7/8"	7/8"
	25-39 ft.	5/8" (1)	3/4"	3/4"	3/4"	7/8"	7/8"	1-1/8" (3)
	40-75 ft.	5/8" (1)	3/4"	3/4"	7/8" (2)	7/8"	7/8"	1-1/8" (3)
FACTORY REFRIGERANT CHARGE in ounces for outdoor unit, indoor unit & 15' Lineset.		42	49	48	51	62	66	79

NOTES:

Always use good piping practices when configuring unit line sets.

Additional Charge Per Foot Guidance:

- Always calculate the ideal unit charge based on the actual piping length. Use equivalent length for unit capacity and line losses, plus superheat/subcooling adjustments.
- For configurations with the indoor unit located above the outdoor, always ensure that a subcooled liquid exists at the indoor unit.
- Units using 1-1/8" suction lines may use 1/2" liquid lines. Requires 3/8" to 1/2" reducer from line to unit.

OUNCES OF R-454B PER FOOT OF LINE-SET		
ACR Suct. Size	3/8" Liquid	1/2" Liquid
5/8	0.531	- na -
3/4	0.559	- na -
7/8	0.588	1.035
1 1/8	0.667	1.115

- Requires 3/4" to 5/8" reducer from line to unit.
- Requires 7/8" to 3/4" reducer from line to unit.
- Requires 1-1/8" to 7/8" reducer from line to unit.

Table 1. Physical Data

Instructions:

- Find the column for the model of outdoor unit that is being installed.
- Find the row for the model of the indoor unit that is being installed.
- 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.
- If a change in restrictor is necessary, then the appropriate restrictor will already be supplied with the outdoor unit.

Examples

- For the *SA4BD5M1SN24K / B65BMMX24K-B match the appropriate TXV is 1046705 and 0 ounces of refrigerant will need to be added before using the charging chart. (NO CHANGES NECESSARY)
- For the *SA4BD5M1SN42K / C75B(A,H)M03642(C,U)-C match the appropriate orifice size is 0.067", so the 0.063" orifice pre-installed in the indoor unit will need to be replaced. No charge addition is needed before using the charging chart. (CHANGE IN ORIFICE)

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.

***SA4BD5M Series Residential Split System Air Conditioner**

13.4 SEER2

MODEL NUMBER: *SA4BD5M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
ID RESTRICTOR SUPPLIED WITH OD UNIT:		--	--	0.058	--	0.067	--	0.082
OUTDOOR UNIT, FACTORY CHARGE (OZ.)		42	49	48	51	62	66	79
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW - SCFM)						
B65BMMX								
B65BMMX18K-A	1046709	1046709 (0 / 580)	--	--	--	--	--	--
B65BMMX24K-A	1046705	--	1046705 (0 / 720)	--	--	--	--	--
B65BMMX24K-B	1046705	--	1046705 (0 / 780)	--	--	--	--	--
B65BMMX30K-B	1046719	--	--	1046719 (0 / 1005)	--	--	--	--
B65BMMX36K-B	1046719	--	--	--	1046719 (0 / 1170)	--	--	--
B65BMMX42K-C	1046719		--	--	--	1046719 (0 / 1505)	--	--
B65EMMX								
B65EMMX48K-C	1046727	--	--	--	--	--	1046727 (0 / 1505)	1046727 (0 / 1745)
B65VMMX								
B65VMMX24K-B	1046719	1046719 (0 / 600)	1046719 (0 / 800)	1046719 (0 / 1050)	--	--	--	--
B65VMMX3648K-C	1046727	--	--	--	1046727 (0 / 1200)	1046727 (0 / 1400)	1046727 (0 / 1450)	--
B65VMMX60K-C	1046729	--	--	--	--	--	--	1046729 (0 / 1750)
C75B(A,H)M0								
C75B(A,H)M018(C,U)-A	0.045	0.045 (0 / 600)	--	--	--	--	--	--
C75B(A,H)M018(C,U)-B	0.045	0.045 (0 / 600)	--	--	--	--	--	--
C75B(A,H)M02430(C,U)-A	0.050	--	0.050 (0 / 700)	0.058 (0 / 875)	--	--	--	--
C75B(A,H)M02430(C,U)-B	0.050	--	0.050 (0 / 700)	0.058 (0 / 875)	--	--	--	--
C75B(A,H)M030(C,U)-C	0.058	--	--	0.058 (0 / 875)	--	--	--	--
C75B(A,H)M03642(C,U)-B	0.063	--	--	--	0.063 (0 / 1050)	0.067 (0 / 1210)	--	--
C75B(A,H)M03642(C,U)-C	0.063	--	--	--	0.063 (0 / 1050)	0.067 (0 / 1210)	--	--
C75B(A,H)M04860(C,U)-C	0.075	--	--	--	--	--	0.075 (0 / 1400)	0.082 (0 / 1585)
C75B(A,H)M04860(C,U)-D	0.075	--	--	--	--	--	0.075 (0 / 1400)	0.082 (0 / 1585)

NOTES:

Requires **REMOVAL** of refrigerant from unit

The charges listed are only valid for the standard 15' lineset.

Part numbers beginning with 10467** are R454B TXV part numbers and numbers listed as 0.0## are orifice diameters.

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.

EXAMPLES:

For the *SA4BD5M1SN24K / B65BMMX24K-B match the appropriate TXV is 1046705 and 0 ounces of refrigerant will need to be added before using the charging chart. (NO CHANGES NECESSARY)

For the *SA4BD5M1SN42K / C75B(A,H)M03642(C,U)-C match the appropriate orifice size is 0.067", so the 0.063" orifice pre-installed in the indoor unit will need to be replaced. No charge addition is needed before using the charging chart. (CHANGE IN ORIFICE)

Table 1. Restrictor or TXV / Charge Addition (Oz)

THIS PAGE INTENTIONALLY BLANK

