

QUICK REFERENCE DATA

*SA(1,2)BD4M Series Residential Split System Air Conditioner

13 SEER

MODEL NUMBER: **SA(1,2)BD4M	1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
REFRIGERANT SUCTION LINE O.D* NOTE: Liquid line is 3/8" O.D. for entire length.	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
	3/4"	3/4"	3/4"	7/8" (1)	7/8"	7/8"	1-1/8" (2)
	3/4"	3/4"	3/4"	7/8" (1)	7/8"	7/8"	1-1/8" (2)
REFRIGERANT CHARGE	40.4	41.0	40.0	41.0	59.0	60.0	69.6

(1) Requires 7/8" to 3/4" reducer from line to unit.

(2) Requires 1-1/8" to 7/8" reducer from line to unit.

(3) 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.

*For other line set dimensions, refer to the Application Guidelines for Refrigerant Lines Addendum.

Table 1. Physical Data

MODEL NUMBER: *SA(1,2)BD4M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
ID RESTRICTOR SUPPLIED WITH OD UNIT:		0.048	0.055, 0.056	0.060, 0.061	0.065, 0.067	0.068, 0.071	0.076	--
OUTDOOR UNIT BOM CHARGE (OZ.)		50	50	50	52	75	68	86
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))						
B6BMM0								
B6BMM024K-A	0.055	0.048 (0 / 555)	0.055 (4 / 700)	--	--	--	--	--
B6BMM024K-B	0.055	0.048 (0 / 550)	0.055 (4 / 720)	--	--	--	--	--
B6BMM030K-A	0.062	--	--	0.060 (2 / 920)	--	--	--	--
B6BMM030K-B	0.062	--	--	0.060 (2 / 890)	--	--	--	--
B6BMM036K-B	0.067	--	--	--	0.065 (5 / 1160)	--	--	--
B6BMM042K-B	0.074	--	--	--	--	0.068 (3 / 1370)	--	--
B6BMM048K-B	0.079	--	--	--	--	--	0.079 (2 / 1355)	--
B6BMM048K-C	0.079	--	--	--	--	--	0.079 (0 / 1630)	--
B6BMM060K-C	0.087	--	--	--	--	--	--	0.087 (-15 / 1700) ‡
B6BMMX								
B6BMMX24K-A	669564	669564 (0 / 670)	669564 (0 / 740)	--	--	--	--	--
B6BMMX24K-B	669564	669564 (0 / 530)	669564 (0 / 690)	--	--	--	--	--
B6BMMX30K-A	669565	--	--	669565 (2 / 960)	--	--	--	--
B6BMMX30K-B	669565	--	--	669565 (2 / 910)	--	--	--	--
B6BMMX36K-B	669566	--	--	--	669566 (3 / 1155)	--	--	--
B6BMMX42K-B	669567	--	--	--	--	669567 (-4 / 1265) ‡	--	--
B6BMMX48K-C	669568	--	--	--	--	--	669568 (3 / 1430)	--
B6BMMX60K-C	669578	--	--	--	--	--	--	669578 (-8 / 1605) ‡

NOTES:

‡ Requires REMOVAL of refrigerant from unit.

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Table 2. Restrictor or TXV / Charge Addition (Oz)

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 *SA(1,2)BD4M1SN30K / C7B(A,H)M03036(C,U)-B the appropriate restrictor is 0.061 and no additional refrigerant will need to be added. (CHANGE IN RESTRICTOR)
- For the *SA(1,2)BD4M1SN48K / B6EMMX48K-C match, the appropriate TXV is the 669852 and 3 ounces of refrigerant will need to be added. (CHANGE IN CHARGE)

MODEL NUMBER: *SA(1,2)BD4M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
ID RESTRICTOR SUPPLIED WITH OD UNIT:		0.048	0.055, 0.056	0.060, 0.061	0.065, 0.067	0.068, 0.071	0.076	--
OUTDOOR UNIT BOM CHARGE (OZ.)		50	50	50	52	75	68	86
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))						
B6BW								
B6BW-018K(*)	0.048	0.048 (0 / 600)	--	--	--	--	--	--
B6BW-024K(*)	0.057	--	0.055 (0 / 800)	--	--	--	--	--
B6BW-030K(*)	0.060	--	--	0.060 (0 / 950)	--	--	--	--
B6BW-036K(*)	0.069	--	--	--	0.067 (-3 / 1100) ‡	--	--	--
B6EM								
B6EMMX24K-A	669564	669564 (0 / 670)	669564 (0 / 740)	--	--	--	--	--
B6EMMX24K-B	669564	669564 (0 / 530)	669564 (0 / 690)	--	--	--	--	--
B6EMMX30K-A	669565	--	--	669565 (2 / 960)	--	--	--	--
B6EMMX30K-B	669565	--	--	669565 (2 / 910)	--	--	--	--
B6EMMX36K-B	669566	--	--	--	669566 (3 / 1155)	--	--	--
B6EMMX42K-B	669567	--	--	--	--	669567 (-4 / 1265) ‡	--	--
B6EMMX48K-C	669852	--	--	--	--	669852 (-2 / 1465) ‡	669852 (3 / 1430)	--
B6EMMX60K-C	669578	--	--	--	--	--	--	669578 (-8 / 1605) ‡
B6EW								
B6EW-X18K	669564	669564 (5 / 640)	--	--	--	--	--	--
B6EW-X24K	669564	--	669564 (2 / 800)	--	--	--	--	--
B6EW-X30K	669565	--	--	669565 (8 / 905)	--	--	--	--
B6EW-X36K	669566	--	--	--	669566 (8 / 1200)	--	--	--

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

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 *SA(1,2)BD4M1SN30K / C7B(A,H)M03036(C,U)-B the appropriate restrictor is 0.061 and no additional refrigerant will need to be added. (CHANGE IN RESTRICTOR)
- For the *SA(1,2)BD4M1SN48K / B6EMMX48K-C match, the appropriate TXV is the 669852 and 3 ounces of refrigerant will need to be added. (CHANGE IN CHARGE)

MODEL NUMBER: *SA(1,2)BD4M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
ID RESTRICTOR SUPPLIED WITH OD UNIT:		0.048	0.055, 0.056	0.060, 0.061	0.065, 0.067	0.068, 0.071	0.076	--
OUTDOOR UNIT BOM CHARGE (OZ.)		50	50	50	52	75	68	86
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))						
B6VMMX								
B6VMMX24K-A	669564	669564 (0 / 670)	669564 (0 / 740)	--	--	--	--	--
B6VMMX24K-B	669564	669564 (0 / 530)	669564 (0 / 690)	--	--	--	--	--
B6VMMX30K-A	669565	--	--	669565 (2 / 960)	--	--	--	--
B6VMMX30K-B	669565	--	--	669565 (2 / 910)	--	--	--	--
B6VMMX36K-B	669566	--	--	--	669566 (3 / 1155)	--	--	--
B6VMMX42K-B	669567	--	--	--	--	669567 (-4 / 1265) ‡	--	--
B6VMMX48K-C	669568	--	--	--	--	669568 (-2 / 1465) ‡	669568 (3 / 1430)	--
B6VMMX60K-C	669578	--	--	--	--	--	--	669578 (-8 / 1605) ‡
C6								
C6B(A,H)-X24(C,U)-A	669564	669564 (20 / 530)	669564 (20 / 700)	--	--	--	--	--
C6B(A,H)-X24(C,U)-B	669681	669681 (20 / 600)	669681 (20 / 700)	--	--	--	--	--
C6B(A,H)-X30(C,U)-A	669565	--	--	669565 (26 / 950)	--	--	--	--
C6B(A,H)-X30(C,U)-B	669682	--	--	669682 (26 / 950)	--	--	--	--
C6B(A,H)-X30(C,U)-C	669682	--	--	669682 (26 / 1000)	--	--	--	--
C6B(A,H)-X35(C,U)-A	669566	--	--	--	669566 (20 / 950)	--	--	--
C6B(A,H)-X35(C,U)-B	669683	--	--	--	669683 (20 / 950)	--	--	--
C6B(A,H)-X36(C,U)-B	669683	--	--	--	669683 (27 / 1100)	--	--	--
C6B(A,H)-X36(C,U)-C	669683	--	--	--	669683 (27 / 1100)	--	--	--
C6B(A,H)-X42(C,U)-B	669684	--	--	--	--	669684 (22 / 1250)	--	--
C6B(A,H)-X42(C,U)-C	669684	--	--	--	--	669684 (22 / 1250)	--	--
C6B(A,H)-X42(C,U)-D	669684	--	--	--	--	669684 (22 / 1250)	--	--
C6B(A,H)-X47(C,U)-C	669852	--	--	--	--	--	669852 (13 / 1600)	--
C6B(A,H)-X48(C,U)-C	669852	--	--	--	--	--	669852 (13 / 1600)	--
C6B(A,H)-X48(C,U)-D	669852	--	--	--	--	--	669852 (13 / 1600)	--
C6B(A,H)-X60(C,U)-C	669686	--	--	--	--	--	--	669686 (20 / 1600)
C6B(A,H)-X60(C,U)-D	669686	--	--	--	--	--	--	669686 (20 / 1600)

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

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1. Find the column for the model of outdoor unit that is being installed.
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Examples:

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- For the *SA(1,2)BD4M1SN48K / B6EMMX48K-C match, the appropriate TXV is the 669852 and 3 ounces of refrigerant will need to be added. (CHANGE IN CHARGE)

MODEL NUMBER: *SA(1,2)BD4M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
ID RESTRICTOR SUPPLIED WITH OD UNIT:		0.048	0.055, 0.056	0.060, 0.061	0.065, 0.067	0.068, 0.071	0.076	--
OUTDOOR UNIT BOM CHARGE (OZ.)		50	50	50	52	75	68	86
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))						
C7+TXV								
C7B(A,H)M01824(C,U)-A+TXV	0.048	920668A (0 / 650)	920669A (0 / 695)	--	--	--	--	--
C7B(A,H)M01824(C,U)-B+TXV	0.055	920668A (0 / 530)	920669A (0 / 700)	--	--	--	--	--
C7B(A,H)M03036(C,U)-A+TXV	0.061	--	--	920670A (5 / 955)	--	--	--	--
C7B(A,H)M03036(C,U)-B+TXV	0.067	--	--	920670A (5 / 955)	--	--	--	--
C7B(A,H)M030(C,U)-C+TXV	0.061	--	--	920670A (5 / 955)	--	--	--	--
C7B(A,H)M03642(C,U)-B+TXV	0.071	--	--	--	920670A (3 / 1100)	920671A (-7 / 1245) ‡	--	--
C7B(A,H)M03648(C,U)-C+TXV	0.067	--	--	--	920670A (3 / 1100)	920671A (-7 / 1245) ‡	--	--
C7B(A,H)M048(C,U)-C+TXV	0.077	--	--	--	--	--	920672A (0 / 1400)	--
C7B(A,H)M048(C,U)-D+TXV	0.077	--	--	--	--	--	920672A (0 / 1400)	--
C7B(A,H)M060(C,U)-C+TXV	0.083	--	--	--	--	--	--	920673A (-8 / 1695) ‡
C7B(A,H)M060(C,U)-D+TXV	0.083	--	--	--	--	--	--	920673A (-8 / 1695) ‡
C7-0								
C7B(A,H)M01824(C,U)-A	0.048	0.048 (0 / 605)	0.056 (0 / 700)	--	--	--	--	--
C7B(A,H)M01824(C,U)-B	0.055	0.048 (0 / 535)	0.055 (6 / 700)	--	--	--	--	--
C7B(A,H)M03036(C,U)-A	0.061	--	--	0.061 (0 / 960)	0.067 (0 / 1055)	--	--	--
C7B(A,H)M03036(C,U)-B	0.067	--	--	0.061 (0 / 960)	0.067 (0 / 1055)	--	--	--
C7B(A,H)M030(C,U)-C	0.061	--	--	0.061 (0 / 960)	--	--	--	--
C7B(A,H)M03642(C,U)-B	0.071	--	--	--	--	0.071 (0 / 1290)	--	--
C7B(A,H)M03648(C,U)-C	0.067	--	--	--	--	0.071 (0 / 1290)	0.076 (0 / 1415)	--
C7B(A,H)M042(C,U)-D	0.071	--	--	--	--	0.071 (0 / 1290)	--	--
C7B(A,H)M048(C,U)-C	0.077	--	--	--	--	--	0.077 (2 / 1305)	--
C7B(A,H)M048(C,U)-D	0.077	--	--	--	--	--	0.077 (2 / 1305)	--
C7B(A,H)M060(C,U)-C	0.083	--	--	--	--	--	--	0.083 (0 / 1445)
C7B(A,H)M060(C,U)-D	0.083	--	--	--	--	--	--	0.083 (0 / 1445)

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

Instructions:

1. Find the column for the model of outdoor unit that is being installed.
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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.
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Examples:

- For the *SA(1,2)BD4M1SN30K / C7B(A,H)M03036(C,U)-B the appropriate restrictor is 0.061 and no additional refrigerant will need to be added. (CHANGE IN RESTRICTOR)
- For the *SA(1,2)BD4M1SN48K / B6EMMX48K-C match, the appropriate TXV is the 669852 and 3 ounces of refrigerant will need to be added. (CHANGE IN CHARGE)

MODEL NUMBER: *SA(1,2)BD4M		1SN18K	1SN24K	1SN30K	1SN36K	1SN42K	1SN48K	1SN60K
ID RESTRICTOR SUPPLIED WITH OD UNIT:		0.048	0.055, 0.056	0.060, 0.061	0.065, 0.067	0.068, 0.071	0.076	--
OUTDOOR UNIT BOM CHARGE (OZ.)		50	50	50	52	75	68	86
MODELS	SUPPLIED WITH ID	REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM))						
C7-X								
C7B(A,H)MX24(C,U)-A	669681	669681 (0 / 650)	669681 (0 / 695)	--	--	--	--	--
C7B(A,H)MX24(C,U)-B	669681	669681 (0 / 530)	669681 (0 / 700)	--	--	--	--	--
C7B(A,H)MX30(C,U)-A	669682	--	--	669682 (5 / 955)	--	--	--	--
C7B(A,H)MX30(C,U)-B	669682	--	--	669682 (5 / 955)	--	--	--	--
C7B(A,H)MX30(C,U)-C	669682	--	--	669682 (5 / 955)	--	--	--	--
C7B(A,H)MX36(C,U)-B	669683	--	--	--	669683 (3 / 1100)	--	--	--
C7B(A,H)MX36(C,U)-C	669683	--	--	--	669683 (3 / 1100)	--	--	--
C7B(A,H)MX42(C,U)-B	669684	--	--	--	--	669684 (-7 / 1245) ‡	--	--
C7B(A,H)MX42(C,U)-C	669684	--	--	--	--	669684 (-7 / 1245) ‡	--	--
C7B(A,H)MX48(C,U)-C	669852	--	--	--	--	--	669852 (0 / 1400)	--
C7B(A,H)MX48(C,U)-D	669852	--	--	--	--	--	669852 (0 / 1400)	--
C7B(A,H)MX60(C,U)-C	669686	--	--	--	--	--	--	669686 (-8 / 1695) ‡
C7B(A,H)MX60(C,U)-D	669686	--	--	--	--	--	--	669686 (-8 / 1695) ‡

NOTES:

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