

QUICK REFERENCE DATA

*SA4BE5M Series Residential Split System Air Conditioner

14.3 SEER2

| MODEL NUMBER *SA4BE5M | | 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. | | 49 | 54 | 51 | 68 | 69 | 71 | 82 |

NOTES:

- Always use good piping practices when configuring unit line sets.
- Additional Charge Per Foot Guidance:
 - (a) 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.
 - (b) For configurations with the indoor unit located above the outdoor, always ensure that a subcooled liquid exists at the indoor unit.
- (c) 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 |

- (1) Requires 3/4" to 5/8" reducer from line to unit.
 (2) Requires 7/8" to 3/4" reducer from line to unit.
 (3) 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 *SA4BE5M1SN30K / C75B(A,H)MX30(C,U)-B match the appropriate TXV is 1046719 and 0 ounces of refrigerant will need to be added before using the charging chart. (NO CHANGES NECESSARY)
- For the *SA4BE5M1SN36K / B65BMMX36K-B match the appropriate TXV is 1046719 and 0 ounces of refrigerant will need to be added before using the charging chart. (NO CHANGES NECESSARY)

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.

| MODEL NUMBER: *SA4BE5M | | 1SN18K | 1SN24K | 1SN30K | 1SN36K | 1SN42K | 1SN48K | 1SN60K |
|------------------------------------|------------------|---|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| OUTDOOR UNIT, FACTORY CHARGE (OZ.) | | 49 | 54 | 51 | 68 | 69 | 71 | 82 |
| 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 / 830) | -- | -- | -- | -- | -- |
| B65BMMX24K-B | 1046705 | -- | 1046705 (0 / 780) | -- | -- | -- | -- | -- |
| B65BMMX30K-B | 1046719 | -- | -- | 1046719 (0 / 995) | -- | -- | -- | -- |
| B65BMMX36K-B | 1046719 | -- | -- | | 1046719 (0 / 1160) | -- | -- | -- |
| B65BMMX42K-C | 1046719 | -- | -- | -- | -- | 1046719 (0 / 1505) | -- | -- |
| B65EMMX | | | | | | | | |
| B65EMMX48K-C | 1046729 | -- | -- | -- | -- | -- | 1046729 (0 / 1505) | 1046729 (0 / 1710) |
| B65VMMX | | | | | | | | |
| B65VMMX24K-B | 1046719 | 1046719 (0 / 650) | 1046719 (0 / 800) | 1046719 (0 / 1050) | -- | -- | -- | -- |
| B65VMMX3648K-C | 1046727 | -- | -- | -- | 1046727 (0 / 1100) | 1046727 (0 / 1500) | 1046727 (0 / 1500) | -- |
| B65VMMX60K-C | 1046729 | -- | -- | -- | -- | -- | -- | 1046729 (0 / 1700) |
| C75B(A,H)MX | | | | | | | | |
| C75B(A,H)MX24(C,U)-A | 1046705 | 1046705 (0 / 595) | 1046705 (0 / 800) | -- | -- | -- | -- | -- |
| C75B(A,H)MX24(C,U)-B | 1046705 | 1046705 (0 / 595) | 1046705 (0 / 800) | -- | -- | -- | -- | -- |
| C75B(A,H)MX30(C,U)-A | 1046719 | -- | -- | 1046719 (0 / 955) | -- | -- | -- | -- |
| C75B(A,H)MX30(C,U)-B | 1046719 | -- | -- | 1046719 (0 / 955) | -- | -- | -- | -- |
| C75B(A,H)MX30(C,U)-C | 1046719 | -- | -- | 1046719 (0 / 955) | -- | -- | -- | -- |
| C75B(A,H)MX36(C,U)-B | 1046719 | -- | -- | -- | 1046719 (0 / 1050) | -- | -- | -- |
| C75B(A,H)MX3642(C,U)-C | 1046719 | -- | -- | -- | 1046719 (0 / 1050) | 1046719 (0 / 1400) | -- | -- |
| C75B(A,H)MX4860(C,U)-C | 1046729 | -- | -- | -- | -- | -- | 1046729 (0 / 1500) | 1046729 (0 / 1545) |
| C75B(A,H)MX4860(C,U)-D | 1046729 | -- | -- | -- | -- | -- | 1046729 (0 / 1500) | 1046729 (0 / 1545) |

NOTES:

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

Part numbers beginning with 10467** are R454B TXV part numbers.

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

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