

# QUICK REFERENCE DATA

## \*SA(1,2)BE4M Series Residential Split System Air Conditioner

14 SEER

| MODEL NUMBER: *SA(1,2)BE4M  |           | 1SN18K | 1SN24K | 1SN30K | 1SN36K   | 1SN42K | 1SN48K | 1SN60K     |
|---|-----------|--------|--------|--------|----------|--------|--------|------------|
| REFRIGERANT SUCTION LINE O.D.*<br>NOTE: Liquid line is 3/8" O.D. for entire length.         | 0-24 Ft.  | 3/4"   | 3/4"   | 3/4"   | 3/4"     | 7/8"   | 7/8"   | 7/8"       |
|   | 25-39 Ft. | 3/4"   | 3/4"   | 3/4"   | 7/8" (1) | 7/8"   | 7/8"   | 1-1/8" (2) |
|   | 40-75 Ft. | 3/4"   | 3/4"   | 3/4"   | 7/8" (1) | 7/8"   | 7/8"   | 1-1/8" (2) |
| REFRIGERANT CHARGE:<br>R-410A in ounces for outdoor unit, indoor unit and 15' line set. (3) |           | 53     | 58     | 60     | 69       | 86     | 86     | 95         |

- (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.

Table 1. Physical Data

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

| MODEL NUMBER: *SA(1,2)BE4M           |                  | 1SN18K  | 1SN24K              | 1SN30K                | 1SN36K               | 1SN42K                 | 1SN48K                | 1SN60K                 |
|--------------------------------------|------------------|---|---------------------|-----------------------|----------------------|------------------------|-----------------------|------------------------|
| ID RESTRICTOR SUPPLIED WITH OD UNIT: |                  | 0.050   | 0.057, 0.058        | 0.062                 | 0.068, 0.069         | --                     | 0.077                 | --                     |
| OUTDOOR UNIT BOM CHARGE (OZ.)        |                  | 53  | 58                  | 60                    | 69                   | 86                     | 86                    | 95                     |
| MODELS                               | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV<br>(CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)) |                     |                       |                      |                        |                       |                        |
| <b>B6BMM0</b>                        |                  |   |                     |                       |                      |                        |                       |                        |
| B6BMM024K-A                          | 0.055            | 0.050<br>(3 / 660)  | 0.058<br>(2 / 730)  | --                    | --                   | --                     | --                    | --                     |
| B6BMM024K-B                          | 0.055            | 0.050<br>(4 / 660)  | 0.058<br>(2 / 715)  | --                    | --                   | --                     | --                    | --                     |
| B6BMM030K-A                          | 0.062            | --  | --                  | 0.062<br>(-5 / 895) ‡ | --                   | --                     | --                    | --                     |
| B6BMM030K-B                          | 0.062            | --  | --                  | 0.062<br>(-5 / 895) ‡ | --                   | --                     | --                    | --                     |
| B6BMM042K-B                          | 0.074            | --  | --                  | --                    | 0.069<br>(3 / 1225)  | 0.074<br>(-4 / 1260) ‡ | --                    | --                     |
| B6BMM060K-C                          | 0.087            | --  | --                  | --                    | --                   | --                     | 0.077<br>(0 / 1440)   | 0.087<br>(-3 / 1635) ‡ |
| <b>B6BMMX</b>                        |                  |   |                     |                       |                      |                        |                       |                        |
| B6BMMX24K-A                          | 669564           | 669564<br>(4 / 600)   | 669564<br>(0 / 715) | --                    | --                   | --                     | --                    | --                     |
| B6BMMX24K-B                          | 669564           | 669564<br>(4 / 600)   | 669564<br>(0 / 715) | --                    | --                   | --                     | --                    | --                     |
| B6BMMX30K-A                          | 669565           | --  | --                  | 669565<br>(3 / 945)   | --                   | --                     | --                    | --                     |
| B6BMMX30K-B                          | 669565           | --  | --                  | 669565<br>(3 / 1015)  | --                   | --                     | --                    | --                     |
| B6BMMX36K-B                          | 669566           | --  | --                  | --                    | 669566<br>(7 / 1190) | --                     | --                    | --                     |
| B6BMMX48K-C                          | 669568           | --  | --                  | --                    | --                   | 669568<br>(6 / 1375)   | 669568<br>(14 / 1670) | --                     |
| B6BMMX60K-C                          | 669578           | --  | --                  | --                    | --                   | --                     | --                    | 669578<br>(0 / 1545)   |
| <b>B6BW</b>                          |                  |   |                     |                       |                      |                        |                       |                        |
| B6BW-019K(*)                         | 0.050            | 0.050<br>(2 / 635)  | --                  | --                    | --                   | --                     | --                    | --                     |
| B6BW-030K(*)                         | 0.060            | --  | 0.057<br>(0 / 850)  | 0.060<br>(5 / 880)    | --                   | --                     | --                    | --                     |
| B6BW-036K(*)                         | 0.069            | --  | --                  | --                    | 0.068<br>(5 / 1185)  | --                     | --                    | --                     |

**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)BE4M1SN30K / C7B(A,H)M03036(C,U)-B the appropriate restrictor is 0.062 and no additional refrigerant will need to be added. (CHANGE IN RESTRICTOR)
- For the \*SA(1,2)BE4M1SN48K / B6EMMX48K-C match, the appropriate TXV is the 669852 and 14 ounces of refrigerant will need to be added. (CHANGE IN CHARGE)

| MODEL NUMBER: *SA(1,2)BE4M           |                  | 1SN18K   | 1SN24K               | 1SN30K            | 1SN36K               | 1SN42K            | 1SN48K             | 1SN60K            |
|--------------------------------------|------------------|--|----------------------|-------------------|----------------------|-------------------|--------------------|-------------------|
| ID RESTRICTOR SUPPLIED WITH OD UNIT: |                  | 0.050  | 0.057, 0.058         | 0.062             | 0.068, 0.069         | --                | 0.077              | --                |
| OUTDOOR UNIT BOM CHARGE (OZ.)        |                  | 53   | 58                   | 60                | 69                   | 86                | 86                 | 95                |
| MODELS                               | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)) |                      |                   |                      |                   |                    |                   |
| <b>B6EM</b>                          |                  |  |                      |                   |                      |                   |                    |                   |
| B6EMMX24K-A                          | 669564           | 669564 (4 / 540)   | 669564 (0 / 770)     | --                | --                   | --                | --                 | --                |
| B6EMMX24K-B                          | 669564           | 669564 (4 / 540)   | 669564 (0 / 770)     | --                | --                   | --                | --                 | --                |
| B6EMMX30K-A                          | 669565           | --   | --                   | 669565 (3 / 1000) | --                   | --                | --                 | --                |
| B6EMMX30K-B                          | 669565           | --   | --                   | 669565 (3 / 1000) | --                   | --                | --                 | --                |
| B6EMMX36K-B                          | 669566           | --   | --                   | --                | 669566 (9 / 1100)    | --                | --                 | --                |
| B6EMMX42K-B                          | 669567           | --   | --                   | --                | --                   | 669567 (0 / 1255) | --                 | --                |
| B6EMMX48K-C                          | 669852           | --   | --                   | --                | --                   | 669852 (0 / 1490) | 669852 (14 / 1450) | --                |
| B6EMMX60K-C                          | 669578           | --   | --                   | --                | --                   | --                | --                 | 669578 (0 / 1535) |
| <b>B6EW</b>                          |                  |  |                      |                   |                      |                   |                    |                   |
| B6EW-X18K                            | 669564           | 669564 (-2 / 550) ‡  | --                   | --                | --                   | --                | --                 | --                |
| B6EW-X25K                            | 669564           | --   | 669564 (-14 / 820) ‡ | --                | --                   | --                | --                 | --                |
| B6EW-X30K                            | 669565           | --   | --                   | 669565 (1 / 975)  | --                   | --                | --                 | --                |
| B6EW-X36K                            | 669566           | --   | --                   | --                | 669566 (-7 / 1070) ‡ | --                | --                 | --                |
| <b>B6VMMX</b>                        |                  |  |                      |                   |                      |                   |                    |                   |
| B6VMMX24K-A                          | 669564           | 669564 (4 / 540)   | 669564 (0 / 770)     | --                | --                   | --                | --                 | --                |
| B6VMMX24K-B                          | 669564           | 669564 (4 / 540)   | 669564 (0 / 770)     | --                | --                   | --                | --                 | --                |
| B6VMMX30K-A                          | 669565           | --   | --                   | 669565 (3 / 1000) | --                   | --                | --                 | --                |
| B6VMMX30K-B                          | 669565           | --   | --                   | 669565 (3 / 1000) | --                   | --                | --                 | --                |
| B6VMMX36K-B                          | 669566           | --   | --                   | --                | 669566 (9 / 1100)    | --                | --                 | --                |
| B6VMMX42K-B                          | 669567           | --   | --                   | --                | --                   | 669567 (0 / 1255) | --                 | --                |
| B6VMMX48K-C                          | 669568           | --   | --                   | --                | --                   | 669568 (0 / 1490) | 669568 (14 / 1450) | --                |
| B6VMMX60K-C                          | 669578           | --   | --                   | --                | --                   | --                | --                 | 669578 (0 / 1500) |

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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)BE4M1SN30K / C7B(A,H)M03036(C,U)-B the appropriate restrictor is 0.062 and no additional refrigerant will need to be added. (CHANGE IN RESTRICTOR)
- For the \*SA(1,2)BE4M1SN48K / B6EMMX48K-C match, the appropriate TXV is the 669852 and 14 ounces of refrigerant will need to be added. (CHANGE IN CHARGE)

| MODEL NUMBER: *SA(1,2)BE4M           |                  | 1SN18K   | 1SN24K                      | 1SN30K                      | 1SN36K                       | 1SN42K                       | 1SN48K                        | 1SN60K                       |
|--------------------------------------|------------------|--|-----------------------------|-----------------------------|------------------------------|------------------------------|-------------------------------|------------------------------|
| ID RESTRICTOR SUPPLIED WITH OD UNIT: |                  | 0.050  | 0.057, 0.058                | 0.062                       | 0.068, 0.069                 | --                           | 0.077                         | --                           |
| OUTDOOR UNIT BOM CHARGE (OZ.)        |                  | 53   | 58                          | 60                          | 69                           | 86                           | 86                            | 95                           |
| MODELS                               | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV (CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)) |                             |                             |                              |                              |                               |                              |
| <b>C6</b>                            |                  |  |                             |                             |                              |                              |                               |                              |
| C6B(A,H)-X24(C,U)-A                  | 669564           | 669564<br>(20 / 550)   | 669564<br>(18 / 770)        | --                          | --                           | --                           | --                            | --                           |
| C6B(A,H)-X24(C,U)-B                  | 669681           | 669681<br>(20 / 550)   | 669681<br>(18 / 770)        | --                          | --                           | --                           | --                            | --                           |
| C6B(A,H)-X30(C,U)-A                  | 669565           | --   | --                          | 669565<br>(14 / 950)        | --                           | --                           | --                            | --                           |
| C6B(A,H)-X30(C,U)-B                  | 669682           | --   | --                          | 669682<br>(14 / 950)        | --                           | --                           | --                            | --                           |
| C6B(A,H)-X30(C,U)-C                  | 669682           | --   | --                          | 669682<br>(14 / 1000)       | --                           | --                           | --                            | --                           |
| C6B(A,H)-X36(C,U)-B                  | 669683           | --   | --                          | --                          | 669683<br>(24 / 1150)        | --                           | --                            | --                           |
| C6B(A,H)-X36(C,U)-C                  | 669683           | --   | --                          | --                          | 669683<br>(24 / 1150)        | --                           | --                            | --                           |
| C6B(A,H)-X42(C,U)-B                  | 669684           | --   | --                          | --                          | --                           | 669684<br>(9 / 1210)         | --                            | --                           |
| C6B(A,H)-X48(C,U)-C                  | 669852           | --   | --                          | --                          | --                           | --                           | 669852<br>(36 / 1435)         | --                           |
| C6B(A,H)-X48(C,U)-D                  | 669852           | --   | --                          | --                          | --                           | --                           | 669852<br>(36 / 1435)         | --                           |
| C6B(A,H)-X60(C,U)-C                  | 669686           | --   | --                          | --                          | --                           | --                           | --                            | 669686<br>(21 / 1660)        |
| C6B(A,H)-X60(C,U)-D                  | 669686           | --   | --                          | --                          | --                           | --                           | --                            | 669686<br>(21 / 1660)        |
| <b>C7+TXV</b>                        |                  |  |                             |                             |                              |                              |                               |                              |
| C7B(A,H)M01824(C,U)-A+TXV            | 0.048            | <b>920668A</b><br>(4 / 675)  | <b>920669A</b><br>(0 / 845) | --                          | --                           | --                           | --                            | --                           |
| C7B(A,H)M01824(C,U)-B+TXV            | 0.055            | <b>920668A</b><br>(4 / 675)  | <b>920669A</b><br>(0 / 845) | --                          | --                           | --                           | --                            | --                           |
| C7B(A,H)M030(C,U)-C+TXV              | 0.061            | --   | --                          | <b>920670A</b><br>(6 / 945) | --                           | --                           | --                            | --                           |
| C7B(A,H)M03036(C,U)-A+TXV            | 0.061            | --   | --                          | <b>920670A</b><br>(6 / 945) | --                           | --                           | --                            | --                           |
| C7B(A,H)M03036(C,U)-B+TXV            | 0.067            | --   | --                          | <b>920670A</b><br>(6 / 945) | --                           | --                           | --                            | --                           |
| C7B(A,H)M03642(C,U)-B+TXV            | 0.071            | --   | --                          | --                          | <b>920670A</b><br>(9 / 1110) | <b>920671A</b><br>(0 / 1300) | --                            | --                           |
| C7B(A,H)M03648(C,U)-C+TXV            | 0.067            | --   | --                          | --                          | <b>920670A</b><br>(8 / 1110) | <b>920671A</b><br>(0 / 1305) | --                            | --                           |
| C7B(A,H)M048(C,U)-C+TXV              | 0.077            | --   | --                          | --                          | --                           | --                           | <b>920672A</b><br>(16 / 1525) | --                           |
| C7B(A,H)M048(C,U)-D+TXV              | 0.077            | --   | --                          | --                          | --                           | --                           | <b>920672A</b><br>(16 / 1525) | --                           |
| C7B(A,H)M060(C,U)-C+TXV              | 0.083            | --   | --                          | --                          | --                           | --                           | --                            | <b>920673A</b><br>(0 / 1540) |
| C7B(A,H)M060(C,U)-D+TXV              | 0.083            | --   | --                          | --                          | --                           | --                           | --                            | <b>920673A</b><br>(0 / 1540) |

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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)BE4M1SN30K / C7B(A,H)M03036(C,U)-B the appropriate restrictor is 0.062 and no additional refrigerant will need to be added. (CHANGE IN RESTRICTOR)
- For the \*SA(1,2)BE4M1SN48K / B6EMMX48K-C match, the appropriate TXV is the 669852 and 14 ounces of refrigerant will need to be added. (CHANGE IN CHARGE)

| MODEL NUMBER: *SA(1,2)BE4M           |                  | 1SN18K  | 1SN24K                     | 1SN30K                     | 1SN36K                      | 1SN42K               | 1SN48K                         | 1SN60K               |
|--------------------------------------|------------------|---|----------------------------|----------------------------|-----------------------------|----------------------|--------------------------------|----------------------|
| ID RESTRICTOR SUPPLIED WITH OD UNIT: |                  | 0.050   | 0.057, 0.058               | 0.062                      | 0.068, 0.069                | --                   | 0.077                          | --                   |
| OUTDOOR UNIT BOM CHARGE (OZ.)        |                  | 53  | 58                         | 60                         | 69                          | 86                   | 86                             | 95                   |
| MODELS                               | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV<br>(CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)) |                            |                            |                             |                      |                                |                      |
| <b>C7-0</b>                          |                  |   |                            |                            |                             |                      |                                |                      |
| C7B(A,H)M01824(C,U)-A                | 0.048            | <b>0.050<br/>(0 / 675)</b>  | <b>0.058<br/>(0 / 815)</b> | --                         | --                          | --                   | --                             | --                   |
| C7B(A,H)M01824(C,U)-B                | 0.055            | <b>0.050<br/>(0 / 675)</b>  | <b>0.058<br/>(0 / 815)</b> | --                         | --                          | --                   | --                             | --                   |
| C7B(A,H)M030(C,U)-C                  | 0.061            | --  | --                         | <b>0.062<br/>(0 / 880)</b> | --                          | --                   | --                             | --                   |
| C7B(A,H)M03036(C,U)-A                | 0.061            | --  | --                         | <b>0.062<br/>(0 / 880)</b> | --                          | --                   | --                             | --                   |
| C7B(A,H)M03036(C,U)-B                | 0.067            | --  | --                         | <b>0.062<br/>(0 / 880)</b> | --                          | --                   | --                             | --                   |
| C7B(A,H)M03642(C,U)-B                | 0.071            | --  | --                         | --                         | <b>0.069<br/>(0 / 1110)</b> | --                   | --                             | --                   |
| C7B(A,H)M03648(C,U)-C                | 0.067            | --  | --                         | --                         | <b>0.069<br/>(0 / 1110)</b> | --                   | <b>0.077<br/>(-8 / 1455) ‡</b> | --                   |
| C7B(A,H)M048(C,U)-C                  | 0.077            | --  | --                         | --                         | --                          | --                   | 0.077<br>(0 / 1455)            | --                   |
| C7B(A,H)M048(C,U)-D                  | 0.077            | --  | --                         | --                         | --                          | --                   | 0.077<br>(0 / 1455)            | --                   |
| <b>C7-X</b>                          |                  |   |                            |                            |                             |                      |                                |                      |
| C7B(A,H)MX24(C,U)-A                  | 669681           | 669681<br>(4 / 675)   | 669681<br>(0 / 845)        | --                         | --                          | --                   | --                             | --                   |
| C7B(A,H)MX24(C,U)-B                  | 669681           | 669681<br>(4 / 675)   | 669681<br>(0 / 845)        | --                         | --                          | --                   | --                             | --                   |
| C7B(A,H)MX30(C,U)-A                  | 669682           | --  | --                         | 669682<br>(6 / 945)        | --                          | --                   | --                             | --                   |
| C7B(A,H)MX30(C,U)-B                  | 669682           | --  | --                         | 669682<br>(6 / 945)        | --                          | --                   | --                             | --                   |
| C7B(A,H)MX36(C,U)-B                  | 669683           | --  | --                         | --                         | 669683<br>(8 / 1110)        | --                   | --                             | --                   |
| C7B(A,H)MX36(C,U)-C                  | 669683           | --  | --                         | --                         | 669683<br>(8 / 1110)        | --                   | --                             | --                   |
| C7B(A,H)MX42(C,U)-C                  | 669684           | --  | --                         | --                         | --                          | 669684<br>(0 / 1305) | --                             | --                   |
| C7B(A,H)MX48(C,U)-C                  | 669852           | --  | --                         | --                         | --                          | --                   | 669852<br>(16 / 1525)          | --                   |
| C7B(A,H)MX48(C,U)-D                  | 669852           | --  | --                         | --                         | --                          | --                   | 669852<br>(9 / 1525)           | --                   |
| C7B(A,H)MX60(C,U)-C                  | 669686           | --  | --                         | --                         | --                          | --                   | --                             | 669686<br>(0 / 1540) |
| C7B(A,H)MX60(C,U)-D                  | 669686           | --  | --                         | --                         | --                          | --                   | --                             | 669686<br>(0 / 1540) |

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