

QUICK REFERENCE DATA

*SA4BE Series Residential Split System Air Conditioner

14 SEER

| Model Number: *SA4BE | | | 018K | 024K | 030K | 036K | 042K | 048K | 060K |
|---|------------------------|-----------|--------------|-------|------|----------|------|------|------------|
| Electrical Data | Volts-Cycles-Phase (1) | | 208/230-60-1 | | | | | | |
| | Total Amps | | 9.9 | 16.34 | 15.7 | 16.9 | 20.8 | 21.2 | 27.6 |
| | Delay Fuse Max. (2) | | 20 | 30 | 30 | 30 | 40 | 45 | 60 |
| | Min. Circuit Ampacity | | 12.1 | 19.7 | 18.9 | 20.5 | 25.3 | 26.2 | 34.2 |
| Condenser Data | Coil | Area | 17.5 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| | | Rows-FPI | 1-22 | 1-20 | 1-20 | 1-20 | 1-20 | 2-16 | 2-16 |
| | | Tube Dia | 3/8" O.D. | | | | | | |
| | Fan Motor | Type | PSC | BLDC | BLDC | BLDC | BLDC | PSC | PSC |
| | | Amps | 0.9 | 0.9 | 0.9 | 1 | 1.4 | 1.4 | 1.4 |
| | | HP | 0.13 | 0.13 | 0.13 | 0.25 | 0.25 | 0.25 | 0.25 |
| | Compressor Data | RLA | 9 | 13.4 | 14.1 | 14.1 | 17.9 | 19.5 | 26.2 |
| LRA | | 48 | 58.3 | 73 | 77 | 112 | 109 | 134 | |
| REFRIGERANT SUCTION LINE O.D 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" (3) | 7/8" | 7/8" | 1 1/8" (4) |
| | | 40-75 ft. | 3/4" | 3/4" | 3/4" | 7/8" (3) | 7/8" | 7/8" | 1 1/8" (4) |
| Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' line set. (5) | | | 95 | 96 | 104 | 118 | 147 | 228 | 232 |
| APPROXIMATE WEIGHT (LBS.) | | Net | 162 | 166 | 171 | 176 | 181 | 220 | 223 |
| | | Ship | 171 | 175 | 180 | 185 | 190 | 232 | 235 |

- (1) Operating Voltage Range: 187v min. — 253v max.
- (2) HACR Type Circuit Breakers may be used.
- (3) Requires 7/8" to 3/4" reducer from line to unit.
- (4) Requires 7/8" to 1-1/8" reducer from line to unit.
- (5) 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. Electrical Specifications & Physical Data

| Thermostat Wire Gauge | Recommended T-Stat Wire Unit to T-Stat (Length in FT) | |
|-----------------------|---|--------------------------|
| | 2-Wire (Heating) | 5-Wire (Heating/Cooling) |
| 24 | 55 | 25 |
| 22 | 90 | 45 |
| 20 | 140 | 70 |
| 18 | 225 | 110 |

Table 2. Thermostat Wire Gauge

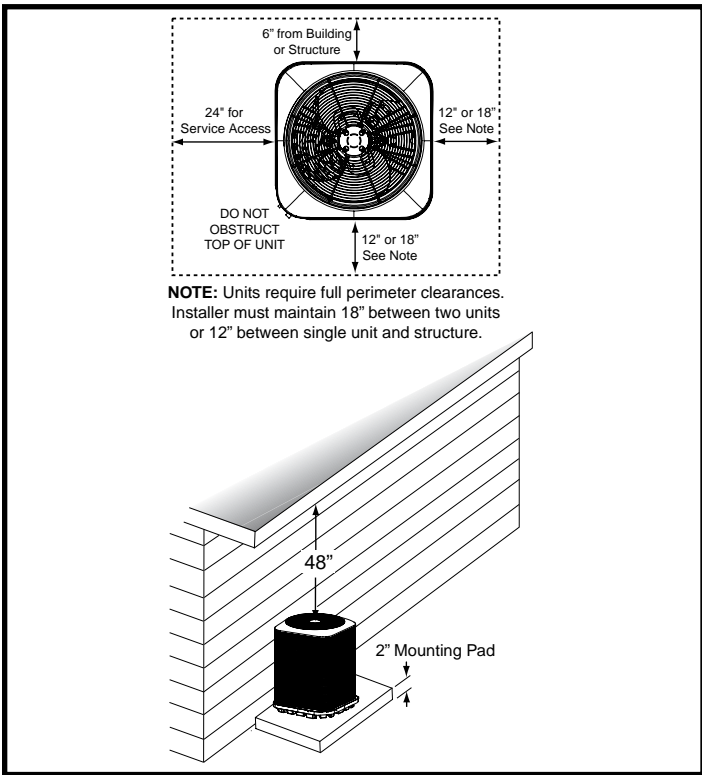
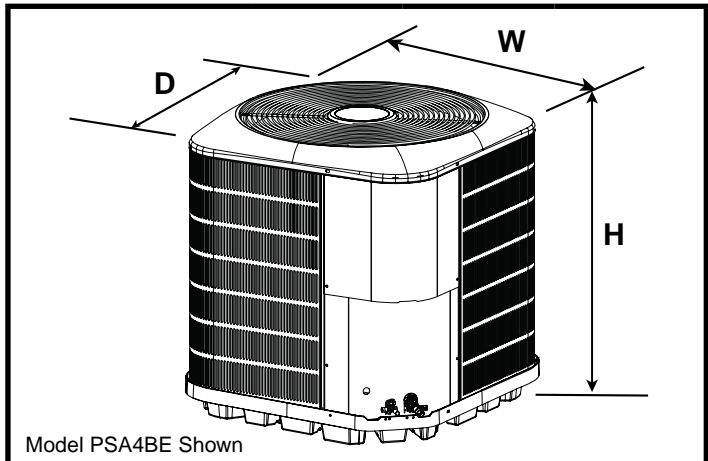


Figure 1. Clearance Requirements



Model PSA4BE Shown

| MODEL NUMBER | HEIGHT (H) | WIDTH (W) | DEPTH (D) |
|--------------|------------|-----------|-----------|
| *SA4BE018KB | 33 1/2" | 30 3/4" | 30 3/4" |
| *SA4BE024KB | 33 1/2" | 30 3/4" | 30 3/4" |
| *SA4BE030KB | 37 1/2" | 30 3/4" | 30 3/4" |
| *SA4BE036KB | 41 1/2" | 30 3/4" | 30 3/4" |
| *SA4BE042KB | 45 1/2" | 30 3/4" | 30 3/4" |
| *SA4BE048KB | 45 1/2" | 30 3/4" | 30 3/4" |
| *SA4BE060KB | 45 1/2" | 30 3/4" | 30 3/4" |

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 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 *SA4BE-024K / B6EMMX24K-A match, the appropriate TXV is the 669564 and no additional charge needs to be added. (NO CHANGES ARE NECESSARY)
- For the *SA4BE-036K / C7B(A,H)M03642(C,U)-B match, the 920670A TXV Kit is needed as well as an additional 8 ounces of charge. (TXV KIT AND CHARGE ADJUSTMENT NEEDED)

| Model Number: *SA4BE | | 018K | 024K | 030K | 036K | 042K | 048K | 060K |
|-------------------------------|------------------|---|-------------|-------------|-------------|-------------|------------|------------|
| Outdoor Unit BOM Charge (Oz.) | | 95 | 96 | 104 | 118 | 147 | 228 | 232 |
| MODELS | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV / CHARGE ADDITION (OZ) | | | | | | |
| B4VM | | | | | | | | |
| B4VM-X24K-A | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B4VM-X24K-B | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B4VM-X30K-A | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| B4VM-X30K-B | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| B4VM-X36K-B | 669566 | -- | -- | -- | 669566 / 18 | -- | -- | -- |
| B4VM-X48K-B | 669568 | -- | -- | -- | -- | 669568 / 10 | -- | -- |
| B4VM-X48K-C | 669568 | -- | -- | -- | -- | 669568 / 10 | 669568 / 6 | -- |
| B4VM-X60K-C | 669578 | -- | -- | -- | -- | -- | -- | 669578 / 2 |
| B5BM-X | | | | | | | | |
| B5B(M,V)-X25K-A | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B5B(M,V)-X25K-B | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B5B(M,V)-X30K-A | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| B5B(M,V)-X30K-B | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| B5B(M,V)-X37K-B | 669566 | -- | -- | -- | 669566 / 18 | -- | -- | -- |
| B5B(M,V)-X42K-B | 669567 | -- | -- | -- | -- | 669567 / 10 | -- | -- |
| B5B(M,V)-X48K-B | 669568 | -- | -- | -- | -- | 669568 / 10 | -- | -- |
| B5B(M,V)-X49K-C | 669568 | -- | -- | -- | -- | 669568 / 10 | 669568 / 6 | -- |
| B5B(M,V)-X60K-C | 669578 | -- | -- | -- | -- | -- | -- | 669578 / 2 |
| B6BM | | | | | | | | |
| B6BM-X24K-A | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B6BM-X24K-B | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B6BM-X30K-A | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| B6BM-X30K-B | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| B6BM-X36K-B | 669566 | -- | -- | -- | 669566 / 18 | -- | -- | -- |
| B6BM-X42K-B | 669567 | -- | -- | -- | -- | 669567 / 10 | -- | -- |
| B6BM-X48K-C | 669568 | -- | -- | -- | -- | -- | 669568 / 6 | -- |
| B6BM-X60K-C | 669578 | -- | -- | -- | -- | -- | -- | 669578 / 2 |
| B6EM | | | | | | | | |
| B6EMMX24K-A | 669564 | 669564 / 25 | 669564 / 0 | -- | -- | -- | -- | -- |
| B6EMMX24K-B | 669564 | 669564 / 11 | 669564 / 2 | -- | -- | -- | -- | -- |
| B6EMMX30K-A | 669565 | -- | -- | 669565 / 0 | -- | -- | -- | -- |
| B6EMMX30K-B | 669565 | -- | -- | 669565 / 11 | -- | -- | -- | -- |
| B6EMMX36K-B | 669566 | -- | -- | -- | 669566 / 20 | -- | -- | -- |
| B6EMMX42K-B | 669567 | -- | -- | -- | -- | 669567 / 0 | -- | -- |
| B6EMMX48K-C | 669852 | -- | -- | -- | -- | 669852 / 2 | 669852 / 0 | -- |
| B6EMMX60K-C | 669578 | -- | -- | -- | -- | -- | -- | 669578 / 0 |
| B6EW | | | | | | | | |
| B6EW-018K | 669564 | 669564 / 0 | -- | -- | -- | -- | -- | -- |
| B6EW-024K | 669564 | -- | 669564 / 7 | -- | -- | -- | -- | -- |
| B6EW-030K | 669565 | -- | -- | 669565 / 10 | -- | -- | -- | -- |
| B6EW-036K | 669566 | -- | -- | -- | 669566 / 0 | -- | -- | -- |

NOTES:

- The charges listed are only valid for the standard 15' lineset.
- Part numbers beginning with 669*** are TXV part numbers and numbers listed as 0.*** are restrictor diameters.

Table 4. 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 *SA4BE-024K / B6EMMX24K-A match, the appropriate TXV is the 669564 and no additional charge needs to be added. (NO CHANGES ARE NECESSARY)
- For the *SA4BE-036K / C7B(A,H)M03642(C,U)-B match, the 920670A TXV Kit is needed as well as an additional 8 ounces of charge. (TXV KIT AND CHARGE ADJUSTMENT NEEDED)

| Model Number: *SA4BE | | 018K | 024K | 030K | 036K | 042K | 048K | 060K |
|-------------------------------|------------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|------------|
| Outdoor Unit BOM Charge (Oz.) | | 95 | 96 | 104 | 118 | 147 | 228 | 232 |
| MODELS | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV / CHARGE ADDITION (OZ) | | | | | | |
| B6VM | | | | | | | | |
| B6VMAX24K-A | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B6VMAX24K-B | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| B6VMAX30K-A | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| B6VMAX30K-B | 669565 | -- | 669565 / 16 | 669565 / 14 | -- | -- | -- | -- |
| B6VMAX36K-B | 669566 | -- | -- | -- | 669566 / 18 | -- | -- | -- |
| B6VMAX42K-B | 669567 | -- | -- | -- | -- | 669567 / 10 | -- | -- |
| B6VMAX48K-C | 669568 | -- | -- | -- | -- | 669568 / 10 | 669568 / 6 | -- |
| B6VMAX60K-C | 669578 | -- | -- | -- | -- | -- | -- | 669578 / 2 |
| C6 | | | | | | | | |
| C6B(A,H)-X24(C,U)-A | 669564 | 669564 / 14 | 669564 / 16 | -- | -- | -- | -- | -- |
| C6B(A,H)-X24(C,U)-B | 669681 | 669681 / 14 | 669681 / 16 | -- | -- | -- | -- | -- |
| C6B(A,H)-X30(C,U)-A | 669565 | -- | -- | 669565 / 14 | -- | -- | -- | -- |
| C6B(A,H)-X30(C,U)-B | 669682 | -- | -- | 669682 / 14 | -- | -- | -- | -- |
| C6B(A,H)-X30(C,U)-C | 669682 | -- | -- | 669682 / 14 | -- | -- | -- | -- |
| C6B(A,H)-X36(C,U)-B | 669683 | -- | -- | -- | 669683 / 18 | -- | -- | -- |
| C6B(A,H)-X36(C,U)-C | 669683 | -- | -- | -- | 669683 / 18 | -- | -- | -- |
| C6B(A,H)-X42(C,U)-B | 669684 | -- | -- | -- | -- | 669684 / 10 | -- | -- |
| C6B(A,H)-X42(C,U)-C | 669684 | -- | -- | -- | -- | 669684 / 10 | -- | -- |
| C6B(A,H)-X42(C,U)-D | 669684 | -- | -- | -- | -- | 669684 / 10 | -- | -- |
| C6B(A,H)-X48(C,U)-C | 669852 | -- | -- | -- | -- | -- | 669852 / 6 | -- |
| C6B(A,H)-X48(C,U)-D | 669852 | -- | -- | -- | -- | -- | 669852 / 6 | -- |
| C6B(A,H)-X60(C,U)-C | 669686 | -- | -- | -- | -- | -- | -- | 669686 / 2 |
| C6B(A,H)-X60(C,U)-D | 669686 | -- | -- | -- | -- | -- | -- | 669686 / 2 |
| C7-0 | | | | | | | | |
| C7B(A,H)M01824(C,U)-A | 0.048 | 920668A / 5 | 920668A / 2 | -- | -- | -- | -- | -- |
| C7B(A,H)M01824(C,U)-B | 0.055 | 920668A / 10 | 920668A / 3 | -- | -- | -- | -- | -- |
| C7B(A,H)M030(C,U)-C | 0.061 | -- | -- | 920668A / 6 | -- | -- | -- | -- |
| C7B(A,H)M03036(C,U)-A | 0.061 | -- | -- | 920668A / 6 | -- | -- | -- | -- |
| C7B(A,H)M03036(C,U)-B | 0.067 | -- | -- | 920668A / 6 | -- | -- | -- | -- |
| C7B(A,H)M03642(C,U)-B | 0.071 | -- | -- | -- | 920670A / 8 | 920671A / 0 | -- | -- |
| C7B(A,H)M03648(C,U)-C | 0.067 | -- | -- | -- | 920670A / 8 | 920671A / 0 | -- | -- |
| C7B(A,H)M042(C,U)-D | 0.071 | -- | -- | -- | -- | 920671A / 0 | -- | -- |
| C7B(A,H)M048(C,U)-C | 0.077 | -- | -- | -- | -- | -- | 920672A / 4 | -- |
| C7B(A,H)M048(C,U)-D | 0.087 | -- | -- | -- | -- | -- | 920672A / 4 | -- |

NOTES:

- The charges listed are only valid for the standard 15' lineset.
- Part numbers beginning with 669***are TXV part numbers and numbers listed as 0.*** are restrictor diameters.
- Bold part numbers beginning with a 9 are TXV kit numbers and must be ordered separately.

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

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COMPLETE COMFORT. GENUINE VALUE.

Specifications & illustrations subject to change without notice or incurring obligations.
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