

# QUICK REFERENCE DATA

## \*T4BE Series Residential Split System Heat Pump with Microchannel Coils

14 SEER

| Model Number: *T4BE                                                                       |                        |           | 018KA        | 024KA  | 030KA  | 036KA  | 042KA  | 048KA  | 060KA      |
|-------------------------------------------------------------------------------------------|------------------------|-----------|--------------|--------|--------|--------|--------|--------|------------|
| Electrical<br>Data                                                                        | Volts-Cycles-Phase (1) |           | 208/230-60-1 |        |        |        |        |        |            |
|                                                                                           | Total Amps             |           | 9.9          | 14.4   | 13.7   | 15.1   | 19.4   | 21.3   | 27.7       |
|                                                                                           | Delay Fuse Max. (2)    |           | 20           | 30     | 25     | 30     | 40     | 45     | 60         |
|                                                                                           | Min. Circuit Ampacity  |           | 12.1         | 17.7   | 16.9   | 18.6   | 23.9   | 26.3   | 34.3       |
| Condenser<br>Data                                                                         | Coil                   | Area      | 17.5         | 17.5   | 22.5   | 25.0   | 24.4   | 24.4   | 24.4       |
|                                                                                           |                        | Rows-FPI  | 1 - 14       | 1 - 14 | 1 - 14 | 1 - 14 | 1 - 14 | 1 - 14 | 1 - 16     |
|                                                                                           |                        | Tube Dia  | MC           |        |        |        |        |        |            |
|                                                                                           | Fan Motor              | Type      | PSC          |        |        |        |        |        |            |
|                                                                                           |                        | Amps      | 0.9          | 0.9    | 0.9    | 1.0    | 1.5    | 1.5    | 1.5        |
|                                                                                           |                        | Watts-HP  | 0.13         | 0.13   | 0.13   | 0.20   | 0.25   | 0.25   | 0.25       |
|                                                                                           | Compressor Data        | RLA       | 9.0          | 13.4   | 12.8   | 14.1   | 17.9   | 19.8   | 26.2       |
|                                                                                           |                        | LRA       | 46.0         | 58.3   | 64.0   | 77.0   | 112.0  | 109.0  | 134.0      |
| 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"   | 7/8"   | 7/8"   | 7/8"   | 7/8"       |
|                                                                                           |                        | 25-39 ft. | 3/4"         | 3/4"   | 3/4"   | 7/8"   | 7/8"   | 7/8"   | 1-1/8" (4) |
|                                                                                           |                        | 40-75 ft. | 3/4"         | 3/4"   | 3/4"   | 7/8"   | 7/8"   | 7/8"   | 1-1/8" (4) |
| Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' line set. (4) |                        |           | 70.0         | 68.0   | 72.0   | 87.0   | 115.0  | 115.0  | 114.0      |
| Weight Approximate (lbs.)                                                                 |                        | Net       | 135          | 140    | 149    | 158    | 191    | 193    | 201        |
|                                                                                           |                        | Ship      | 144          | 149    | 158    | 167    | 200    | 202    | 210        |

- (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 fro 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

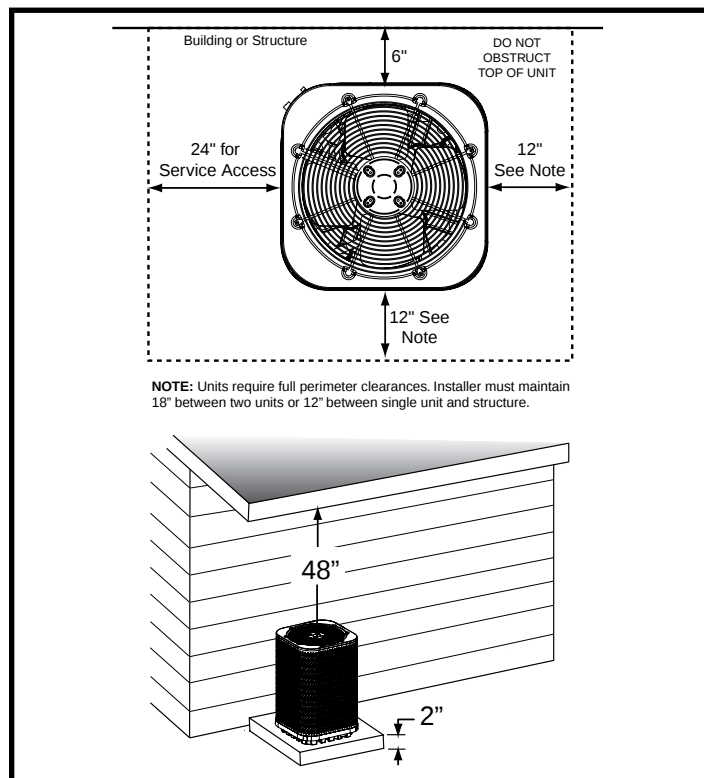


Figure 1. Clearance Requirements

| Model JT4BE Shown |            |           |           |
|-------------------|------------|-----------|-----------|
| MODEL NUMBER      | HEIGHT (H) | WIDTH (W) | DEPTH (D) |
| *T4BE-018KA       | 31 1/2"    | 30 3/4"   | 30 3/4"   |
| *T4BE-024KA       | 31 1/2"    | 30 3/4"   | 30 3/4"   |
| *T4BE-030KA       | 39 1/2"    | 30 3/4"   | 30 3/4"   |
| *T4BE-036KA       | 43 1/2"    | 30 3/4"   | 30 3/4"   |
| *T4BE-042KA       | 43 1/2"    | 30 3/4"   | 30 3/4"   |
| *T4BE-048KA       | 43 1/2"    | 30 3/4"   | 30 3/4"   |
| *T4BE-060KA       | 43 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 \*T4BE-030KA / B6BMM030K-A match, the appropriate restrictor is the 0.062" and 8 ounces of refrigerant needs to be added (CHARGE ADDITION).
- For the \*T4BE-060KA / B6BMM060K-C match, the indoor restrictor will need to be changed to the 0.091", the outdoor restrictor must be changed to the 0.074", and 3 ounces of refrigerant (CHANGE IN INDOOR RESTRICTOR, OUTDOOR RESTRICTOR, AND CHARGE ADDITION).

|                                      |                                      |                  |                                                                             |                     |                     |                       |                      |                      |                      |
|--------------------------------------|--------------------------------------|------------------|-----------------------------------------------------------------------------|---------------------|---------------------|-----------------------|----------------------|----------------------|----------------------|
| ID Restrictor Installed With ID Unit | Model Number: *T4BE                  |                  | 018KA                                                                       | 024KA               | 030KA               | 036KA                 | 042KA                | 048KA                | 060KA                |
|                                      | ID Restrictor Supplied With OD Unit: |                  | 0.052, 0.056                                                                | 0.057               | 0.061               | 0.066, 0.067          | 0.075                | 0.076                | 0.091                |
|                                      | OD Restrictor Supplied With OD Unit: |                  | 0.039                                                                       | 0.041               | 0.048               | 0.055                 | 0.059                | 0.062                | 0.076                |
|                                      | Outdoor Unit BOM Charge (Oz.)        |                  | 70                                                                          | 68                  | 72                  | 87                    | 115                  | 115                  | 114                  |
|                                      | MODELS                               | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV<br>(CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)) |                     |                     |                       |                      |                      |                      |
|                                      | B6BMM0                               |                  |                                                                             |                     |                     |                       |                      |                      |                      |
|                                      | B6BMM024K-A                          | 0.055            | 0.056<br>(4 / 650)                                                          | 0.057<br>(7 / 825)  | --                  | --                    | --                   | --                   | --                   |
|                                      | B6BMM024K-B                          | 0.055            | 0.056<br>(4 / 650)                                                          | 0.057<br>(7 / 825)  | --                  | --                    | --                   | --                   | --                   |
|                                      | B6BMM030K-A                          | 0.062            | --                                                                          | --                  | 0.062<br>(8 / 1040) | --                    | --                   | --                   | --                   |
|                                      | B6BMM030K-B                          | 0.062            | --                                                                          | --                  | 0.062<br>(8 / 1040) | --                    | --                   | --                   | --                   |
|                                      | B6BMM042K-B                          | 0.074            | --                                                                          | --                  | --                  | 0.067<br>(13 / 1195)  | 0.075<br>(5 / 1275)  | --                   | --                   |
|                                      | B6BMM060K-C                          | 0.087            | --                                                                          | --                  | --                  | --                    | --                   | 0.076<br>(4 / 1555)  | 0.091<br>(3 / 1615)  |
|                                      | B6BW                                 |                  |                                                                             |                     |                     |                       |                      |                      |                      |
|                                      | B6BW-018K(*)                         | 0.056            | 0.052<br>(5 / 655)                                                          | --                  | --                  | --                    | --                   | --                   | --                   |
|                                      | B6BW-024K(*)                         | 0.057            | --                                                                          | 0.057<br>(0 / 915)  | --                  | --                    | --                   | --                   | --                   |
|                                      | B6BW-030K(*)                         | 0.060            | --                                                                          | --                  | 0.061<br>(0 / 1010) | --                    | --                   | --                   | --                   |
|                                      | B6BW-036K(*)                         | 0.069            | --                                                                          | --                  | --                  | 0.066<br>(0 / 1145)   | --                   | --                   | --                   |
|                                      | B6EM                                 |                  |                                                                             |                     |                     |                       |                      |                      |                      |
|                                      | B6EMMX24K-A                          | 669564           | 669564<br>(4 / 660)                                                         | 669564<br>(3 / 810) | --                  | --                    | --                   | --                   | --                   |
|                                      | B6EMMX24K-B                          | 669564           | 669564<br>(4 / 660)                                                         | 669564<br>(3 / 810) | --                  | --                    | --                   | --                   | --                   |
|                                      | B6EMMX30K-A                          | 669565           | --                                                                          | --                  | 669565<br>(8 / 960) | --                    | --                   | --                   | --                   |
|                                      | B6EMMX30K-B                          | 669565           | --                                                                          | --                  | 669565<br>(8 / 960) | --                    | --                   | --                   | --                   |
|                                      | B6EMMX36K-B                          | 669566           | --                                                                          | --                  | --                  | 669566<br>(11 / 1140) | --                   | --                   | --                   |
|                                      | B6EMMX42K-B                          | 669567           | --                                                                          | --                  | --                  | --                    | 669567<br>(0 / 1205) | --                   | --                   |
|                                      | B6EMMX48K-C                          | 669852           | --                                                                          | --                  | --                  | --                    | 669852<br>(0 / 1195) | 669852<br>(0 / 1510) | --                   |
|                                      | B6EMMX60K-C                          | 669578           | --                                                                          | --                  | --                  | --                    | --                   | --                   | 669578<br>(0 / 1545) |

### NOTES:

- Gray cells require the outdoor restrictor to be changed as well. See Table 5.
- 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 \*T4BE-030KA / B6BMM030K-A match, the appropriate restrictor is the 0.062" and 8 ounces of refrigerant needs to be added (CHARGE ADDITION).
- For the \*T4BE-060KA / B6BMM060K-C match, the indoor restrictor will need to be changed to the 0.091", the outdoor restrictor must be changed to the 0.074", and 3 ounces of refrigerant (CHANGE IN INDOOR RESTRICTOR, OUTDOOR RESTRICTOR, AND CHARGE ADDITION).

|                                      |                                      |                  |                                                                             |                      |                      |                        |                       |                       |       |
|--------------------------------------|--------------------------------------|------------------|-----------------------------------------------------------------------------|----------------------|----------------------|------------------------|-----------------------|-----------------------|-------|
| ID Restrictor Installed With ID Unit | Model Number: *T4BE                  |                  | 018KA                                                                       | 024KA                | 030KA                | 036KA                  | 042KA                 | 048KA                 | 060KA |
|                                      | ID Restrictor Supplied With OD Unit: |                  | 0.052, 0.056                                                                | 0.057                | 0.061                | 0.066, 0.067           | 0.075                 | 0.076                 | 0.091 |
|                                      | OD Restrictor Supplied With OD Unit: |                  | 0.039                                                                       | 0.041                | 0.048                | 0.055                  | 0.059                 | 0.062                 | 0.076 |
|                                      | Outdoor Unit BOM Charge (Oz.)        |                  | 70                                                                          | 68                   | 72                   | 87                     | 115                   | 115                   | 114   |
|                                      | MODELS                               | SUPPLIED WITH ID | REQUIRED RESTRICTOR OR TXV<br>(CHARGE ADDITION (OZ) / RATED AIRFLOW (SCFM)) |                      |                      |                        |                       |                       |       |
|                                      | B6EW                                 |                  |                                                                             |                      |                      |                        |                       |                       |       |
|                                      | B6EW-X18K                            | 669564           | 669564<br>(0 / 700)                                                         | --                   | --                   | --                     | --                    | --                    | --    |
|                                      | B6EW-X25K                            | 669564           | --                                                                          | 669564<br>(1 / 920)  | --                   | --                     | --                    | --                    | --    |
|                                      | B6EW-X30K                            | 669565           | --                                                                          | --                   | 669565<br>(5 / 1000) | --                     | --                    | --                    | --    |
|                                      | B6EW-X36K                            | 669566           | --                                                                          | --                   | --                   | 669566<br>(0 / 1100)   | --                    | --                    | --    |
|                                      | C7-0                                 |                  |                                                                             |                      |                      |                        |                       |                       |       |
|                                      | C7B(A,H)M01824(C,U)-A                | 0.048            | 920668A<br>(4 / 660)                                                        | 920669A<br>(3 / 810) | --                   | --                     | --                    | --                    | --    |
|                                      | C7B(A,H)M01824(C,U)-B                | 0.055            | 920668A<br>(4 / 660)                                                        | 920669A<br>(3 / 810) | --                   | --                     | --                    | --                    | --    |
|                                      | C7B(A,H)M030(C,U)-C                  | 0.061            | --                                                                          | 920669A<br>(3 / 810) | 920670A<br>(8 / 960) | --                     | --                    | --                    | --    |
|                                      | C7B(A,H)M03036(C,U)-A                | 0.061            | --                                                                          | --                   | 920670A<br>(8 / 960) | --                     | --                    | --                    | --    |
|                                      | C7B(A,H)M03036(C,U)-B                | 0.067            | --                                                                          | --                   | 920670A<br>(8 / 960) | --                     | --                    | --                    | --    |
|                                      | C7B(A,H)M03642(C,U)-B                | 0.071            | --                                                                          | --                   | --                   | 920670A<br>(11 / 1140) | 920671A<br>(0 / 1275) | --                    | --    |
|                                      | C7B(A,H)M03648(C,U)-C                | 0.067            | --                                                                          | --                   | --                   | 920670A<br>(11 / 1140) | 920671A<br>(0 / 1275) | --                    | --    |
|                                      | C7B(A,H)M042(C,U)-D                  | 0.071            | --                                                                          | --                   | --                   | --                     | 920671A<br>(0 / 1275) | --                    | --    |
|                                      | C7B(A,H)M048(C,U)-C                  | 0.077            | --                                                                          | --                   | --                   | --                     | --                    | 920672A<br>(0 / 1510) | --    |
| C7B(A,H)M048(C,U)-D                  | 0.087                                | --               | --                                                                          | --                   | --                   | --                     | 920672A<br>(0 / 1510) | --                    |       |
| C7B(A,H)M060(C,U)-C                  | 0.083                                | --               | --                                                                          | --                   | --                   | --                     | --                    | 920673A<br>(0 / 1545) |       |
| C7B(A,H)M060(C,U)-D                  | 0.083                                | --               | --                                                                          | --                   | --                   | --                     | --                    | 920673A<br>(0 / 1545) |       |

### NOTES:

- Gray cells require the outdoor restrictor to be changed as well. See Table 5.
- 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) - Continued**

| OD Unit    | ID Unit      | Factory Installed Restrictor | Correct Outdoor Restrictor |
|------------|--------------|------------------------------|----------------------------|
| T4BE-018KA | B6BMM024K-A  | 0.039                        | 0.043                      |
|            | B6BMM024K-B  | 0.039                        | 0.043                      |
|            | B6BW-018K(*) | 0.039                        | 0.045                      |
|            | B6EW-X18K    | 0.039                        | 0.045                      |
| T4BE-024KA | B6BW-024K(*) | 0.041                        | 0.047                      |
|            | B6EW-X25K    | 0.041                        | 0.049                      |
| T4BE-030KA | B6BW-030K(*) | 0.048                        | 0.051                      |
|            | B6EW-X30K    | 0.048                        | 0.053                      |
| T4BE-036KA | B6BMM042K-B  | 0.055                        | 0.056                      |
|            | B6BW-036K(*) | 0.055                        | 0.059                      |
|            | B6EW-X36K    | 0.055                        | 0.059                      |
| T4BE-048KA | B6BMM060K-C  | 0.062                        | 0.059                      |
| T4BE-060KA | B6BMM060K-C  | 0.076                        | 0.074                      |

**Table 5. Outdoor Restrictor Changes**

