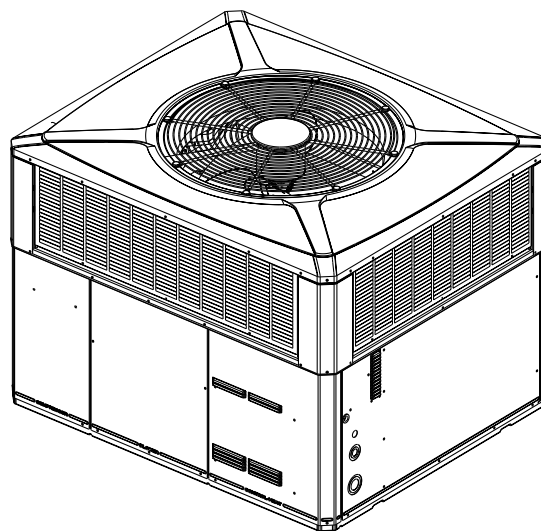




# Product and Submittal Data

## Single Packaged Cooling/Electric Heat Choice, Convertible, 2 to 5 Ton, R-454B

5TCC4024A1000A  
5TCC4030A1000A  
5TCC4036A1000A  
5TCC4042A1000A  
5TCC4048A1000A  
5TCC4060A1000A



*Note: Graphics in this document are for representation only. Actual model may differ in appearance.*



# Introduction

## Single Packaged Cooling Systems are easy and versatile to install.

Because cooling and heating functions are all contained in a single cabinet, Trane packaged air conditioner is easy to install and service. It can be flush mounted beside your home at ground level or placed on the roof for horizontal or downflow installation. When connected to an optional Trane thermostat control, and air distribution ducts, you have a highly efficient, total home comfort system.

## Single Packaged Cooling Systems are unmatched in quality and reliability.

All major components on these products, including the compressor, have been designed and manufactured for maximum service. Every compressor is designed and manufactured to exacting specifications. Each design is life tested in extreme environments to ensure reliable and long lasting operation in normal applications. Each compressor has internal motor protection for added reliability.

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# Data Notes

This document supersedes and includes data from the documents listed below.

Table 1. Data notes

| Literature Number | Title                                                          |
|-------------------|----------------------------------------------------------------|
| 22-2014-1*        | Single Packaged Cooling/Electric Heat Model 5TTC4 Product Data |
| 5TCC4024A-SUB-1*  | Single Packaged Cooling/Electric Heat 5TCC4024A1000A Submittal |
| 5TCC4030A-SUB-1*  | Single Packaged Cooling/Electric Heat 5TCC4030A1000A Submittal |
| 5TCC4036A-SUB-1*  | Single Packaged Cooling/Electric Heat 5TCC4036A1000A Submittal |
| 5TCC4042A-SUB-1*  | Single Packaged Cooling/Electric Heat 5TCC4042A1000A Submittal |
| 5TCC4048A-SUB-1*  | Single Packaged Cooling/Electric Heat 5TCC4048A1000A Submittal |
| 5TCC4060A-SUB-1*  | Single Packaged Cooling/Electric Heat 5TCC4060A1000A Submittal |

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# Optional Equipment Listing

**Table 2. Optional equipment listing**

|                                                                                                          |                  |
|----------------------------------------------------------------------------------------------------------|------------------|
| Hinged Filter Access Door (5*CC4024-036) <sup>(a)</sup>                                                  | BAYCCDOR1A [ ]   |
| Hinged Filter Access Door (5*CC4042-060) <sup>(a)</sup>                                                  | BAYCCDOR2A [ ]   |
| Roof Curb Full Perimeter (5*CC024-036) <sup>(a)</sup>                                                    | BAYCURB050B [ ]  |
| Roof Curb Full Perimeter (5*CC042-060) <sup>(a)</sup>                                                    | BAYCURB051B [ ]  |
| Roof Curb Utility Extension Kit (5*CC024-036) <sup>(a)</sup>                                             | BAYUTIL101B [ ]  |
| Roof Curb Utility Extension Kit (5*CC042-060) <sup>(a)</sup>                                             | BAYUTIL101B [ ]  |
| 0-25% Manual Fresh Air Damper (5*CC4024-36) <sup>(a)(b)</sup>                                            | BAYOSAH001A [ ]  |
| 0-25% Manual Fresh Air Damper (5*CC4042-60) <sup>(a)(b)</sup>                                            | BAYOSAH002A [ ]  |
| Motorized Fresh Air Damper (5*CC4024-036) <sup>(a)(b)</sup>                                              | BAYDMPR101A [ ]  |
| Motorized Fresh Air Damper (5*CC4042-060) <sup>(a)(b)</sup>                                              | BAYDMPR102A [ ]  |
| 0-100% Mod Economizer w/Baro. Relief (5*CC4024-036) <sup>(a)(b)(c)(d)</sup>                              | BAYECON105A [ ]  |
| 0-100% Mod Economizer w/Baro. Relief (5*CC4042-060) <sup>(a)(b)(c)(d)</sup>                              | BAYECON106A [ ]  |
| 0-100% Horizontal Economizer (5*CC4024-36) <sup>(a)(b)(c)</sup>                                          | BAYECON205A [ ]  |
| 0-100% Horizontal Economizer (5*CC4042-60) <sup>(a)(b)(c)</sup>                                          | BAYECON206A [ ]  |
| Enthalpy Control for Economizer (ALL-BAYECON)                                                            | BAYEENTH001A [ ] |
| Remote Potentiometer (ALL-BAYECON)                                                                       | BAYSTAT023 [ ]   |
| 1"–2" Filter Frame (5*CC4024-036) (18 x 25 filter not included) <sup>(a)</sup>                           | BAYFLTR101C [ ]  |
| 1"–2" Filter Frame (5*CC4042-060) (two 18 x 20 filters not included) <sup>(a)</sup>                      | BAYFLTR201C [ ]  |
| Head Pressure Control (Low Ambient Cool) (208/240v) Kit                                                  | BAYLOAM105A [ ]  |
| Quick Start Kit (5WCC4, 5TCC4)                                                                           | BAYQSTK300A [ ]  |
| Crankcase Heater Scroll (5*CC4024-036) (230v) <sup>(a)</sup>                                             | BAYCCHT103A [ ]  |
| Crankcase Heater Scroll (5*CC4042-060) (230v) <sup>(a)</sup>                                             | BAYCCHT102A [ ]  |
| Adapter Curb (5*CC4024-36) to BAYCURB030, 38 <sup>(a)</sup>                                              | BAYADAP050A [ ]  |
| Adapter Curb (5*CC4024-36) to BAYCURB033 <sup>(a)</sup>                                                  | BAYADAP051A [ ]  |
| Adapter Curb (5*CC4042-60) to BAYCURB030, 38 <sup>(a)</sup>                                              | BAYADAP052A [ ]  |
| Adapter Curb (5*CC4042-60) to BAYCURB033 <sup>(a)</sup>                                                  | BAYADAP053A [ ]  |
| Adapter Curb (5*CC4042-60) to BAYCURB034 <sup>(a)</sup>                                                  | BAYADAP054A [ ]  |
| 12" Duct Shroud Covers Horizontal (5*CC4024-060) <sup>(a)</sup>                                          | BAYCOVR112A [ ]  |
| 18" Duct Shroud Covers Horizontal (5*CC4024-060) <sup>(a)</sup>                                          | BAYCOVR118A [ ]  |
| Extreme Condition Mounting Kit — All BAYCURB & BAYADAP                                                   | BAYEXMK001A [ ]  |
| Extreme Condition Mounting Kit — All BAYUTIL                                                             | BAYEXMK002B [ ]  |
| Extreme Condition Mounting Kit — All Slab Mounts                                                         | BAYEXMK003B [ ]  |
| Lifting Lug Kit                                                                                          | BAYLIFT002B [ ]  |
| Evaporator Defrost Control Kit - (all models)                                                            | BAYLOAM011A [ ]  |
| Anti-Short cycle timer- (all models)                                                                     | BAYASCT001 [ ]   |
| Adapter kit for installation of cleaneffects- (5*CC4024-036) <sup>(a)</sup>                              | BAYACCEADP1B [ ] |
| Adapter kit for installation of cleaneffects- (5*CC4042-060) <sup>(a)</sup>                              | BAYACCEADP2B [ ] |
| <b>SUPPLEMENTARY HEATERS (1 PHASE) * = T or W Only (Does not apply to Gas/Electric dual fuel models)</b> |                  |
| 3.76/5.0 KW Heater (208/240V 1 PH) (5*CC4024-060)                                                        | BAYHTRG105A [ ]  |
| 6.0/8.0 KW Heater (208/240V 1 PH) (5*CC4024-060)                                                         | BAYHTRG108A [ ]  |

**Table 2. Optional equipment listing (continued)**

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| 7.50/10.0 KW Heater (208/240V 1 PH) (5*CC4024-060)  | BAYHTRG110A [ ] |
| 11.27/15.0 KW Heater (208/240V 1 PH) (5*CC4030-060) | BAYHTRG115A [ ] |
| 15.0/20.0 KW Heater (208/240V 1 PH) (5*CC4048-060)  | BAYHTRG120A [ ] |
| 18.78/25.0 KW Heater (208/240V 1 PH) (5*CC40060)    | BAYHTRG125A [ ] |
| Single Power Entry Kit <sup>(e)</sup>               | BAYSPEK060G [ ] |
| Single Power Entry Kit                              | BAYSPEK062G [ ] |
| Single Power Entry Kit                              | BAYSPEK063G [ ] |

(a) \* = T, W, or Y

(b) Must use internal filter frame when economizer or fresh air kit is used.

(c) Dry bulb control standard with economizer.

(d) Downflow only.

(e) Must be selected per unit and heater model.





# Product Specification

**Table 3. Product specification**

| MODEL                                   | 5TCC4024                  | 5TCC4030   | 5TCC4036   | 5TCC4042   | 5TCC4048   | 5TCC4060      |
|-----------------------------------------|---------------------------|------------|------------|------------|------------|---------------|
| RATED Volts/PH/Hz                       | 208-230/1/60              |            |            |            |            |               |
| Performance Cooling BTUH <sup>(a)</sup> | 24000                     | 28400      | 36800      | 40000      | 47500      | 58500         |
| Indoor Airflow (CFM)                    | 820                       | 920        | 1190       | 1500       | 1670       | 1700          |
| Power Input (KW)                        | LOCATED ON UNIT NAMEPLATE |            |            |            |            |               |
| EER2/SEER2 (BTU/Watt-Hr.)(b)            | 11.0/14.3                 | 11.0/14.0  | 11.0/13.8  | 11.0/13.8  | 11.0/13.4  | 11.0/13.4     |
| Sound Power Rating [dB(A)](c)           | 66.6                      | 70         | 69.3       | 74.6       | 72.5       | 73.1          |
| POWER CONN. — V/Ph/Hz                   | 208-230/1/60              |            |            |            |            |               |
| Min. Brch. Cir. Ampacity(d)             | LOCATED ON UNIT NAMEPLATE |            |            |            |            |               |
| Fuse Size — Max. (amps)                 | LOCATED ON UNIT NAMEPLATE |            |            |            |            |               |
| Fuse Size — Recmd. (amps)               | LOCATED ON UNIT NAMEPLATE |            |            |            |            |               |
| COMPRESSOR                              | SCROLL                    |            |            |            |            |               |
| Volts/Ph/Hz                             | 208-230/1/60              |            |            |            |            |               |
| R.L. Amps — L.R. Amps                   | LOCATED ON UNIT NAMEPLATE |            |            |            |            |               |
| OUTDOOR COIL — TYPE                     | SPINE-FIN                 |            |            |            |            |               |
| Rows/F.P.I                              | 2 / 24                    |            |            |            |            |               |
| Face Area (sq. ft.)                     | 13.32                     | 13.32      | 15.49      | 15.63      | 20.54      | 22.99         |
| Tube Size (in.)                         | 3/8                       |            |            |            |            |               |
| INDOOR COIL — TYPE                      | MCHE                      |            |            |            |            | RTPF          |
| Rows/F.P.I                              | 2 / 16                    |            |            |            |            | 4 / 15        |
| Face Area (sq. ft.)                     | 2.7                       | 2.7        | 2.7        | 3.9        | 3.9        | 5.0           |
| Tube Size (in.)                         | 0.81                      | 0.81       | 1.00       | 0.81       | 0.81       | 0.38          |
| Refrigeration Control                   | EXPANSION VALVE           |            |            |            |            |               |
| Drain Conn. Size (in.)                  | 3/4 FEMALE NPT            |            |            |            |            |               |
| OUTDOOR FAN — TYPE                      | PROPELLER                 |            |            |            |            |               |
| DIA. (IN.)                              | 23.4                      |            |            | 28.3       |            |               |
| DRIVE/NO. SPEEDS                        | DIRECT / 1                |            |            |            |            |               |
| CFM @ 0.0 in. w.g <sup>(e)</sup>        | 2350                      | 2800       | 3080       | 3400       | 3400       | 4800          |
| Motor — HP/R.P.M                        | 1/12 / 825                | 1/6 / 825  | 1/5 / 825  | 1/4 / 825  | 1/4 / 825  | 1/3 / 825     |
| Volts/Ph/Hz                             | 208-230/1/60              |            |            |            |            |               |
| F.L. Amps/L.R Amps                      | LOCATED ON UNIT NAMEPLATE |            |            |            |            |               |
| INDOOR FAN — TYPE                       | CONSTANT TORQUE ECM       |            |            |            |            |               |
| Dia. x Width (in.)                      | 10.62 X 10.62             |            |            |            |            | 11.87 X 10.62 |
| Drive/No. Speeds                        | DIRECT / 4                |            |            |            |            |               |
| CFM @ 0.0 in. w.g <sup>(f)</sup>        | SEE FAN PERFORMANCE TABLE |            |            |            |            |               |
| Motor — HP / R.P.M.                     | 1/3 / 1050                | 1/2 / 1050 | 3/4 / 1050 | 3/4 / 1050 | 3/4 / 1050 | 1 / 1050      |

**Table 3. Product specification (continued)**

| MODEL                                    | 5TCC4024                  | 5TCC4030     | 5TCC4036     | 5TCC4042     | 5TCC4048     | 5TCC4060     |
|------------------------------------------|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Volts/Ph/Hz                              | 208–230/1/60              |              |              |              |              |              |
| F.L. Amps                                | LOCATED ON UNIT NAMEPLATE |              |              |              |              |              |
| FILTER / FURNISHED                       | NO                        |              |              |              |              |              |
| Type Recommended                         | THROWAWAY                 |              |              |              |              |              |
| Recmd. Face Area (sq. ft) <sup>(g)</sup> | 4.0                       |              |              | 5.3          |              |              |
| REFRIGERANT                              | R-454B                    |              |              |              |              |              |
| Charge (lbs.)                            | LOCATED ON UNIT NAMEPLATE |              |              |              |              |              |
| CHARGING SPECIFICATIONS                  |                           |              |              |              |              |              |
| Subcooling                               | 12°F                      | 10°F         | 12°F         | 12°F         | 10°F         | 13°F         |
| DIMENSIONS                               | H X W X L                 |              |              |              |              |              |
| Crated (in.)                             | 46 X 45 X 52              | 48 X 45 X 52 | 48 X 45 X 52 | 46 X 47 X 62 | 50 X 47 X 61 | 50 X 47 X 61 |
| WEIGHT                                   |                           |              |              |              |              |              |
| Shipping (lbs.) / Net (lbs.)             | 436 / 362                 | 454 / 380    | 458 / 384    | 564 / 460    | 563 / 459    | 588 / 484    |

<sup>(a)</sup> Rated in accordance with AHRI Standard 210/240.

<sup>(b)</sup> Rated in accordance with D.O.E. test procedure.

<sup>(c)</sup> Sound Power values are not adjusted for AHRI 270–95 tonal corrections.

<sup>(d)</sup> Calculated in accordance with currently prevailing Nat'l Electrical Code.

<sup>(e)</sup> Standard Air — Dry Coil — Outdoor.

<sup>(f)</sup> Standard Air — Dry Coil — Indoor.

<sup>(g)</sup> Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

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# Supplementary Electric Heaters

Table 4. Supplementary electric heaters

| UNIT MODEL                                                                                                                                         | ELECTRIC HEATER MODEL | RATED VOLT-AGE | PHASE | AMPS   | HEATER CAPACITY |             | NO. OF STAGES | KW/STAGE   |          | MCA     | MAX. FUSE OR HACR CKT BKR SIZE (a) | CANADA ONLY MAX. CKT BKR SIZE (b) |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------|-------|--------|-----------------|-------------|---------------|------------|----------|---------|------------------------------------|-----------------------------------|
|                                                                                                                                                    |                       |                |       |        | KW              | BTUH        |               | 1          | 2        |         |                                    |                                   |
| &TCC&024-060+1<br>&WCC&024-060+1<br>&TCY&024-060+1<br>&WCY&024-060+1<br>&WCZ&024-060+1<br>A5PA&024-060+1<br>A5PH&024-060+1                         | BAYHTRG105            | 208/240        | 1     | 18/21  | 3.76/5.0        | 12800/17100 | 1             | 3.76/5.0   | -        | 23/26   | 25/30                              | 25/30                             |
| &TCC&024-060+1<br>&WCC&024-060+1<br>&TCY&024-060+1<br>&WCY&024-060+1<br>&WCZ&024-060+1<br>A5PA&024-060+1<br>A5PH&024-060+1                         | BAYHTRG108            | 208/240        | 1     | 29/33  | 6.0/8.0         | 20500/27300 | 1             | 6.0/8.0    | -        | 36/41   | 40/45                              | 40/45                             |
| &TCC&024-060+1<br>&WCC&024-060+1<br>&TCY&024-060+1<br>&WCY&024-060+1<br>&WCZ&024-060+1<br>A5PA&024-060+1<br>A5PH&024-060+1                         | BAYHTRG110            | 208/240        | 1     | 36/42  | 7.5/10.0        | 25600/34100 | 1             | 7.5/10.0   | -        | 45/52   | 45/60                              | 45/60                             |
| &TCC&030-060+1<br>&WCC&030-060+1<br>&TCY&030-060+1<br>&WCY&030-060+1<br>&WCZ&036+1<br>&WCZ&048+1<br>&WCZ&060+1<br>A5PA&030-060+1<br>A5PH&030-060+1 | BAYHTRG115            | 208/240        | 1     | 54/63  | 11.27/15.0      | 38500/51200 | 2             | 7.5/10.0   | 3.76/5.0 | 68/78   | 70/80                              | 70/80                             |
| &TCC&048-060+1<br>&WCC&048-060+1<br>&TCY&042-060+1<br>&WCY&042-060+1<br>&WCZ&048-060+1<br>A5PA&048-060+1<br>A5PH&048-060+1                         | BAYHTRG120#           | 208/240        | 1     | 72/83  | 15.0/20.0       | 51200/68300 | 2             | 7.5/10.0   | 7.5/10.0 | 90/104  | 90/110                             | 90/110                            |
| &TCC&060+1<br>&WCC&060+1<br>&TCY&042-060+1<br>&WCY&042-060+1<br>&WCZ&048-060+1<br>A5PA&060+1<br>A5PH&060+1                                         | BAYHTRG125#           | 208/240        | 1     | 90/104 | 18.78/25.0      | 64100/85300 | 2             | 11.26/15.0 | 7.5/10.0 | 113/130 | 125/150                            | 125/150                           |
| &W/TCY4036-060+3<br>&WCZ&036-060+3                                                                                                                 | BAYHTRV305            | 208/240        | 3     | 10/12  | 3.76/5.0        | 12800/17100 | 1             | 3.76/5.0   | —        | 13/15   | 15/15                              | 15/15                             |
| &W/TCY4036-060+3<br>&WCZ&036-060+3                                                                                                                 | BAYHTRV308            | 208/240        | 3     | 17/19  | 6.0/8.0         | 20500/27300 | 1             | 6.0/8.0    | —        | 21/24   | 25/25                              | 25/25                             |
| &W/TCY4036-060+3<br>&WCZ&036-060+3                                                                                                                 | BAYHTRV310            | 208/240        | 3     | 21/24  | 7.5/10.0        | 25600/34100 | 1             | 7.5/10.0   | —        | 26/30   | 30/30                              | 30/30                             |
| &W/TCY4036-060+3<br>&WCZ&036-060+3                                                                                                                 | BAYHTRV315            | 208/240        | 3     | 31/36  | 11.27/15.0      | 38500/51200 | 2             | 7.5/10.0   | 3.76/5.0 | 39/45   | 40/45                              | 40/45                             |
| &W/TCY4048-060+3<br>&WCZ&048-060+3                                                                                                                 | BAYHTRV320            | 208/240        | 3     | 42/48  | 15.0/20.0       | 51200/68300 | 2             | 7.5/10.0   | 7.5/10.0 | 52/60   | 60/60                              | 60/60                             |
| &W/TCY4048-060+3<br>&WCZ&048-060+3                                                                                                                 | BAYHTRV325#           | 208/240        | 3     | 52/60  | 18.78/25.0      | 64100/85300 | 2             | 11.26/15.0 | 7.5/10.0 | 65/75   | 70/80                              | 70/80                             |

**Table 4. Supplementary electric heaters (continued)**

| UNIT MODEL     | ELECTRIC HEATER MODEL | RATED VOLT-AGE | PHASE | AMPS  | HEATER CAPACITY |             | NO. OF STAGES | KW/STAGE   |          | MCA   | MAX. FUSE OR HACR CKT BKR SIZE <sup>(a)</sup> | CANADA ONLY MAX. CKT BKR SIZE <sup>(b)</sup> |
|----------------|-----------------------|----------------|-------|-------|-----------------|-------------|---------------|------------|----------|-------|-----------------------------------------------|----------------------------------------------|
|                |                       |                |       |       | KW              | BTUH        |               | 1          | 2        |       |                                               |                                              |
| &WCZ&036-060#4 | BAYHTRV405            | 480            | 3     | 6     | 5.0             | 17100       | 1             | 5.0        | —        | 8     | 15                                            | 15                                           |
| &WCZ&036-060#4 | BAYHTRV408            | 480            | 3     | 10    | 8.0             | 27300       | 1             | 8.0        | —        | 13    | 15                                            | 15                                           |
| &WCZ&036-060#4 | BAYHTRV410            | 480            | 3     | 12    | 10.0            | 34100       | 1             | 10.0       | —        | 15    | 15                                            | 15                                           |
| &WCZ&036-060#4 | BAYHTRV415            | 480            | 3     | 18    | 15.0            | 51200       | 2             | 10.0       | 5.0      | 23    | 25                                            | 25                                           |
| &WCZ&048-060#4 | BAYHTRV420            | 480            | 3     | 24    | 20.0            | 68300       | 2             | 10.0       | 10.0     | 30    | 30                                            | 30                                           |
| &WCC&036-060#3 | BAYHTRG305            | 208/240        | 3     | 10/12 | 3.76/5.0        | 12800/17100 | 1             | 3.76/5.0   | -        | 13/15 | 15/15                                         | 15/15                                        |
| &WCC&036-060#3 | BAYHTRG308            | 208/240        | 3     | 17/19 | 6.0/8.0         | 20500/27300 | 1             | 6.0/8.0    | -        | 21/24 | 25/25                                         | 25/25                                        |
| &WCC&036-060#3 | BAYHTRG310            | 208/240        | 3     | 21/24 | 7.5/10.0        | 25600/34100 | 1             | 7.5/10.0   | -        | 26/30 | 30/30                                         | 30/30                                        |
| &WCC&036-060#3 | BAYHTRG315            | 208/240        | 3     | 31/36 | 11.27/15.0      | 38500/51200 | 2             | 7.5/10.0   | 3.76/5.0 | 39/45 | 40/45                                         | 40/45                                        |
| &WCC&048-060#3 | BAYHTRG320            | 208/240        | 3     | 42/48 | 15.0/20.0       | 51200/68300 | 2             | 7.5/10.0   | 7.5/10.0 | 52/60 | 60/60                                         | 60/60                                        |
| &WCC&048-060#3 | BAYHTRG325#           | 208/240        | 3     | 52/60 | 18.78/25.0      | 64100/85300 | 2             | 11.26/15.0 | 7.5/10.0 | 65/75 | 70/80                                         | 70/80                                        |
| &WCC&036-060#4 | BAYHTRG405            | 480            | 3     | 6     | 5.0             | 17100       | 1             | 5.0        | -        | 8     | 15                                            | 15                                           |
| &WCC&036-060#4 | BAYHTRG408            | 480            | 3     | 10    | 8.0             | 27300       | 1             | 8.0        | -        | 13    | 15                                            | 15                                           |
| &WCC&036-060#4 | BAYHTRG410            | 480            | 3     | 12    | 10.0            | 34100       | 1             | 10.0       | -        | 15    | 15                                            | 15                                           |
| &WCC&036-060#4 | BAYHTRG415            | 480            | 3     | 18    | 15.0            | 51200       | 2             | 10.0       | 5.0      | 23    | 25                                            | 25                                           |
| &WCC&048-060#4 | BAYHTRG420            | 480            | 3     | 24    | 20.0            | 68300       | 2             | 10.0       | 10.0     | 30    | 30                                            | 30                                           |

1. Any power supply and circuits must be wired and protected in accordance with local electrical codes.
2. The values listed in the above table are for the electric heater only.
3. Field wiring must be rated at least 75° C.
4. \* indicates an alpha character.
5. † indicates model letter.
6. # Heater uses fuses.
7. & indicates a digit.

ALL VALUES ARE FOR THE ELECTRIC HEATER ONLY

- <sup>(a)</sup> The HACR circuit breaker is for U.S.A. installations only.  
<sup>(b)</sup> For Canada installation reference only.

# BAYSPEK - Single Power Entry Kit

Table 5. BAYSPEK — Single power entry kit

| SINGLE CIRCUIT POWER AMPACITY AND OVER CURRENT PROTECTION |                        |              |             |                         |
|-----------------------------------------------------------|------------------------|--------------|-------------|-------------------------|
| UNIT MODEL                                                | SINGLE POWER ENTRY KIT | HEATER MODEL | MIN CKT AMP | MAX OVER-CURRENT DEVICE |
| 5TCC4024A                                                 | BAYSPEK60              | BAYHTRG105   | 29          | 30                      |
|                                                           |                        | BAYHTRG108   | 45          | 45                      |
|                                                           |                        | BAYHTRG110   | 56          | 60                      |
| 5TCC4030A                                                 | BAYSPEK60              | BAYHTRG105   | 31          | 35                      |
|                                                           |                        | BAYHTRG108   | 47          | 50                      |
|                                                           |                        | BAYHTRG110   | 57          | 60                      |
|                                                           | BAYSPEK63              | BAYHTRG115   | 83          | 90                      |
| 5TCC4036A                                                 | BAYSPEK60              | BAYHTRG105   | 34          | 40                      |
|                                                           |                        | BAYHTRG108   | 49          | 50                      |
|                                                           |                        | BAYHTRG110   | 60          | 60                      |
|                                                           | BAYSPEK63              | BAYHTRG115   | 86          | 90                      |
| 5TCC4042A                                                 | BAYSPEK60              | BAYHTRG105   | 34          | 40                      |
|                                                           |                        | BAYHTRG108   | 49          | 50                      |
|                                                           |                        | BAYHTRG110   | 60          | 60                      |
|                                                           | BAYSPEK63              | BAYHTRG115   | 86          | 90                      |
| 5TCC4048A                                                 | BAYSPEK60              | BAYHTRG105   | 36          | 50                      |
|                                                           |                        | BAYHTRG108   | 49          | 50                      |
|                                                           |                        | BAYHTRG110   | 60          | 60                      |
|                                                           | BAYSPEK63              | BAYHTRG115   | 86          | 90                      |
|                                                           |                        | BAYHTRG120   | 112         | 125                     |
| 5TCC4060A                                                 | BAYSPEK60              | BAYHTRG105   | 41          | 60                      |
|                                                           |                        | BAYHTRG108   | 51          | 60                      |
|                                                           | BAYSPEK62              | BAYHTRG110   | 61          | 70                      |
|                                                           | BAYSPEK63              | BAYHTRG115   | 87          | 90                      |
|                                                           |                        | BAYHTRG120   | 113         | 125                     |

# Indoor Fan Performance (230v)

**Table 6. Indoor fan performance - model 5TCC4024A**

| EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Cooling Down Airflow] |       |              |              |              |              |              |              |              |              |              |     |   |
|----------------------------------------------------------------------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|---|
| Motor Speed                                                                |       | 0.0          | 0.1          | 0.2          | 0.3          | 0.4          | 0.5          | 0.6          | 0.7          | 0.8          | 0.9 | 1 |
| LOW                                                                        | Watts | 84<br>[85]   | 91<br>[92]   | 98<br>[98]   | 105<br>[106] | -            | -            | -            | -            | -            | -   | - |
|                                                                            | CFM   | 873<br>[865] | 811<br>[803] | 754<br>[746] | 690<br>[683] | -            | -            | -            | -            | -            | -   | - |
| MED-<br>LOW <sup>(a)</sup>                                                 | Watts | -            | 114<br>[115] | 121<br>[122] | 128<br>[129] | 138<br>[138] | -            | -            | -            | -            | -   | - |
|                                                                            | CFM   | -            | 900<br>[891] | 846<br>[838] | 794<br>[786] | 729<br>[722] | -            | -            | -            | -            | -   | - |
| MED-<br>HIGH                                                               | Watts | -            | -            | -            | 158<br>[159] | 167<br>[167] | 175<br>[176] | 185<br>[186] | -            | -            | -   | - |
|                                                                            | CFM   | -            | -            | -            | 890<br>[881] | 836<br>[828] | 777<br>[769] | 707<br>[700] | -            | -            | -   | - |
| HIGH                                                                       | Watts | -            | -            | -            | -            | -<br>[249]   | 256<br>[258] | 264<br>[266] | 274<br>[276] | 282<br>[284] | -   | - |
|                                                                            | CFM   | -            | -            | -            | -            | -<br>[899]   | 863<br>[854] | 818<br>[810] | 773<br>[765] | 731<br>[724] | -   | - |

**Note:** Airflow must not exceed 900 CFM due to condensate blowoff.

<sup>(a)</sup> Factory Default Setting.

**Table 7. Indoor fan performance - model 5TCC4030A**

| EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Cooling Down Airflow] |       |                |                |                |                |                |                |                |              |     |     |   |
|----------------------------------------------------------------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|-----|-----|---|
| Motor Speed                                                                |       | 0.0            | 0.1            | 0.2            | 0.3            | 0.4            | 0.5            | 0.6            | 0.7          | 0.8 | 0.9 | 1 |
| LOW                                                                        | Watts | 126<br>[126]   | 134<br>[135]   | 142<br>[143]   | 150<br>[150]   | 158<br>[158]   | -              | -              | -            | -   | -   | - |
|                                                                            | CFM   | 1051<br>[1041] | 994<br>[984]   | 939<br>[930]   | 889<br>[880]   | 840<br>[831]   | -              | -              | -            | -   | -   | - |
| MED-<br>LOW <sup>(a)</sup>                                                 | Watts | -              | 175<br>[176]   | 184<br>[185]   | 192<br>[193]   | 200<br>[201]   | 209<br>[210]   | 219<br>[220]   | -            | -   | -   | - |
|                                                                            | CFM   | -              | 1107<br>[1096] | 1054<br>[1044] | 1009<br>[999]  | 965<br>[956]   | 919<br>[910]   | 862<br>[853]   | -            | -   | -   | - |
| MED-<br>HIGH                                                               | Watts | -              | -              | 239<br>[240]   | 247<br>[248]   | 256<br>[258]   | 267<br>[269]   | 274<br>[276]   | 282<br>[284] | -   | -   | - |
|                                                                            | CFM   | -              | -              | 1108<br>[1097] | 1070<br>[1059] | 1027<br>[1017] | 975<br>[965]   | 920<br>[911]   | 875<br>[866] | -   | -   | - |
| HIGH                                                                       | Watts | -              | -              | -              | -              | 259<br>[260]   | 268<br>[270]   | 278<br>[279]   | 289<br>[290] | -   | -   | - |
|                                                                            | CFM   | -              | -              | -              | -              | 1099<br>[1088] | 1059<br>[1048] | 1017<br>[1007] | 968<br>[959] | -   | -   | - |

**Note:** Airflow must not exceed 1125 CFM due to condensate blowoff.

<sup>(a)</sup> Factory Default Setting.



## Indoor Fan Performance (230v)

**Table 8. Indoor fan performance - model 5TCC4036A**

| EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Cooling Down Airflow] |       |                |                |                |                |                |                |                |                |                |                |                |
|----------------------------------------------------------------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Motor Speed                                                                |       | 0.0            | 0.1            | 0.2            | 0.3            | 0.4            | 0.5            | 0.6            | 0.7            | 0.8            | 0.9            | 1              |
| LOW                                                                        | Watts | 247<br>[248]   | 258<br>[260]   | 267<br>[269]   | 277<br>[279]   | 287<br>[289]   | -              | -              | -              | -              | -              | -              |
|                                                                            | CFM   | 1192<br>[1180] | 1160<br>[1148] | 1126<br>[1115] | 1091<br>[1080] | 1052<br>[1041] | -              | -              | -              | -              | -              | -              |
| MED-<br>LOW <sup>(a)</sup>                                                 | Watts | -              | 352<br>[354]   | 361<br>[363]   | 372<br>[374]   | 382<br>[384]   | 392<br>[394]   | 404<br>[406]   | 416<br>[418]   | -              | -              | -              |
|                                                                            | CFM   | -              | 1272<br>[1259] | 1243<br>[1231] | 1214<br>[1202] | 1186<br>[1174] | 1154<br>[1142] | 1116<br>[1105] | 1072<br>[1061] | -              | -              | -              |
| MED-<br>HIGH                                                               | Watts | -              | 410<br>[410]   | 419<br>[419]   | 427<br>[427]   | 437<br>[437]   | 447<br>[447]   | 423<br>[423]   | -              | -              | -              | -              |
|                                                                            | CFM   | -              | 1326<br>[1320] | 1300<br>[1294] | 1271<br>[1263] | 1241<br>[1234] | 1201<br>[1196] | 1107<br>[1102] | -              | -              | -              | -              |
| HIGH                                                                       | Watts | -              | -              | -              | -              | -              | 516<br>[519]   | 527<br>[530]   | 539<br>[542]   | 552<br>[555]   | 566<br>[569]   | 575<br>[578]   |
|                                                                            | CFM   | -              | -              | -              | -              | -              | 1326<br>[1299] | 1296<br>[1270] | 1263<br>[1238] | 1225<br>[1201] | 1183<br>[1159] | 1150<br>[1127] |

**Note:** Airflow must not exceed 1350 CFM due to condensate blowoff.

<sup>(a)</sup> Factory Default Setting.

**Table 9. Indoor fan performance - model 5TCC4042A**

| EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Cooling Down Airflow] |       |                |                |                |                |                |                |                |                |                |                |                |
|----------------------------------------------------------------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Motor Speed                                                                |       | 0.0            | 0.1            | 0.2            | 0.3            | 0.4            | 0.5            | 0.6            | 0.7            | 0.8            | 0.9            | 1              |
| LOW                                                                        | Watts | 224<br>[228]   | 233<br>[238]   | 242<br>[247]   | 252<br>[257]   | 262<br>[267]   | -              | -              | -              | -              | -              | -              |
|                                                                            | CFM   | 1358<br>[1345] | 1393<br>[1379] | 1348<br>[1334] | 1296<br>[1283] | 1253<br>[1241] | -              | -              | -              | -              | -              | -              |
| MED-<br>LOW <sup>(a)</sup>                                                 | Watts | 306<br>[312]   | 316<br>[322]   | 327<br>[333]   | 337<br>[344]   | 348<br>[354]   | 359<br>[366]   | 369<br>[377]   | 382<br>[389]   | 395<br>[403]   | -              | -              |
|                                                                            | CFM   | 1521<br>[1506] | 1490<br>[1475] | 1448<br>[1433] | 1391<br>[1377] | 1362<br>[1348] | 1338<br>[1325] | 1315<br>[1302] | 1307<br>[1293] | 1254<br>[1241] | -              | -              |
| MED-<br>HIGH                                                               | Watts | -              | -              | -              | -              | 455<br>[464]   | 467<br>[477]   | 477<br>[487]   | 490<br>[499]   | 503<br>[513]   | 513<br>[523]   | -              |
|                                                                            | CFM   | -              | -              | -              | -              | 1529<br>[1514] | 1491<br>[1476] | 1467<br>[1453] | 1425<br>[1411] | 1385<br>[1371] | 1345<br>[1331] | -              |
| HIGH                                                                       | Watts | -              | -              | -              | -              | 490<br>[499]   | 502<br>[511]   | 514<br>[523]   | 527<br>[536]   | 540<br>[550]   | 554<br>[564]   | 568<br>[578]   |
|                                                                            | CFM   | -              | -              | -              | -              | 1533<br>[1518] | 1505<br>[1490] | 1476<br>[1461] | 1447<br>[1433] | 1415<br>[1401] | 1383<br>[1369] | 1347<br>[1334] |

**Note:** Airflow must not exceed 1575 CFM due to condensate blowoff.

<sup>(a)</sup> Factory Default Setting.

**Table 10. Indoor fan performance - model 5TCC4048A**

| EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Cooling Down Airflow] |       |                |                |                |                |                |                |                |                |                |                |   |
|----------------------------------------------------------------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| Motor Speed                                                                |       | 0.0            | 0.1            | 0.2            | 0.3            | 0.4            | 0.5            | 0.6            | 0.7            | 0.8            | 0.9            | 1 |
| LOW                                                                        | Watts | 302<br>[308]   | 313<br>[320]   | 324<br>[330]   | 332<br>[339]   | 346<br>[352]   | -              | -              | -              | -              | -              | - |
|                                                                            | CFM   | 1583<br>[1567] | 1542<br>[1526] | 1502<br>[1487] | 1460<br>[1445] | 1415<br>[1401] | -              | -              | -              | -              | -              | - |
| MED-<br>LOW <sup>(a)</sup>                                                 | Watts | 414<br>[422]   | 426<br>[434]   | 436<br>[444]   | 448<br>[457]   | 459<br>[468]   | 471<br>[480]   | 483<br>[493]   | 495<br>[505]   | 510<br>[520]   | -              | - |
|                                                                            | CFM   | 1763<br>[1745] | 1723<br>[1706] | 1689<br>[1672] | 1648<br>[1632] | 1609<br>[1593] | 1568<br>[1552] | 1527<br>[1512] | 1488<br>[1473] | 1447<br>[1433] | -              | - |
| MED-<br>HIGH                                                               | Watts | -              | 577<br>[589]   | 591<br>[603]   | 604<br>[616]   | 617<br>[629]   | 631<br>[644]   | 643<br>[656]   | 655<br>[668]   | 599<br>[611]   | -              | - |
|                                                                            | CFM   | -              | 1786<br>[1768] | 1757<br>[1739] | 1729<br>[1712] | 1700<br>[1683] | 1675<br>[1658] | 1648<br>[1632] | 1624<br>[1608] | 1504<br>[1489] | -              | - |
| HIGH                                                                       | Watts | -              | -              | -              | -              | -              | 613<br>[625]   | 631<br>[644]   | 643<br>[656]   | 647<br>[660]   | 611<br>[623]   | - |
|                                                                            | CFM   | -              | -              | -              | -              | -              | 1769<br>[1751] | 1728<br>[1711] | 1688<br>[1671] | 1652<br>[1635] | 1545<br>[1530] | - |

**Note:** Airflow must not exceed 1800 CFM due to condensate blowoff.

<sup>(a)</sup> Factory Default Setting.

**Table 11. Indoor fan performance - model 5TCC4060A**

| EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Cooling Down Airflow] |       |                |                |                |                |                |                |                |                |                |                |   |
|----------------------------------------------------------------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|
| Motor Speed                                                                |       | 0.0            | 0.1            | 0.2            | 0.3            | 0.4            | 0.5            | 0.6            | 0.7            | 0.8            | 0.9            | 1 |
| LOW                                                                        | Watts | 515<br>[524]   | 523<br>[533]   | 533<br>[545]   | 544<br>[558]   | -              | -              | -              | -              | -              | -              | - |
|                                                                            | CFM   | 1857<br>[1831] | 1831<br>[1802] | 1800<br>[1765] | 1766<br>[1728] | -              | -              | -              | -              | -              | -              | - |
| MED-<br>LOW <sup>(a)</sup>                                                 | Watts | 594<br>[611]   | 609<br>[627]   | 624<br>[642]   | 639<br>[658]   | 653<br>[672]   | 667<br>[686]   | 681<br>[701]   | 695<br>[715]   | 709<br>[730]   | -              | - |
|                                                                            | CFM   | 2031<br>[2003] | 2003<br>[1975] | 1974<br>[1946] | 1940<br>[1913] | 1907<br>[1880] | 1874<br>[1848] | 1837<br>[1811] | 1805<br>[1780] | 1771<br>[1746] | -              | - |
| MED-<br>HIGH                                                               | Watts | 749<br>[770]   | 759<br>[781]   | 769<br>[790]   | 779<br>[804]   | 788<br>[819]   | 803<br>[832]   | 816<br>[845]   | 830<br>[858]   | 845<br>[872]   | 860<br>[887]   | - |
|                                                                            | CFM   | 2083<br>[2054] | 2058<br>[2030] | 2032<br>[2010] | 2003<br>[1976] | 1974<br>[1946] | 1943<br>[1911] | 1911<br>[1879] | 1877<br>[1848] | 1843<br>[1817] | 1807<br>[1781] | - |
| HIGH                                                                       | Watts | 900<br>[940]   | 910<br>[936]   | 921<br>[937]   | 932<br>[948]   | 941<br>[962]   | 956<br>[975]   | 969<br>[990]   | 983<br>[992]   | 997<br>[987]   | 1010<br>[985]  | - |
|                                                                            | CFM   | 2201<br>[2201] | 2177<br>[2151] | 2152<br>[2120] | 2127<br>[2095] | 2105<br>[2066] | 2071<br>[2033] | 2041<br>[1999] | 2009<br>[1937] | 1975<br>[1921] | 1940<br>[1871] | - |

**Note:** Airflow must not exceed 2250 CFM due to condensate blowoff.

<sup>(a)</sup> Factory Default Setting.

### COMPRESSOR SECTION

### OUTDOOR SECTION

ODM

### INDOOR SECTION

A2L SENSOR

47B (GR)

### HEATER SECTION

PPM

### OPTIONAL START KIT

### CONTROL BOX

### NOTES:

- CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2.
- MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
- SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
- FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES: AT TNS, REMOVE 1A(RD) WIRE AND CONNECT IT TO 208V TERMINAL ON THE TRANSFORMER.
- IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
- DO NOT REMOVE JUMPER UNLESS CONFIGURING AN EXTERNAL SWITCH.

### 24 VOLT TRANSFORMER FUSE REPLACEMENT FU 36 VOLT TYPE ATC-5 AMP

### WIRE COLOR DESIGNATION

| ABBR | COLOR | ABBR | COLOR  | ABBR | COLOR  |
|------|-------|------|--------|------|--------|
| BK   | BLACK | PR   | PURPLE | GR   | GREEN  |
| BL   | BLUE  | RD   | RED    | YL   | YELLOW |
| BR   | BROWN | WH   | WHITE  | OR   | ORANGE |

### LEGEND

| DEVICE DESIG | DESCRIPTION                 | LINE NUMBER |
|--------------|-----------------------------|-------------|
| A2L_SR       | A2L SENSOR                  | 28          |
| AH,BH        | CONTACTOR, ELECTRIC HEATER  | 27          |
| CC           | CONTACTOR                   | 13,30       |
| CFI          | OUTDOOR FAN CAPACITOR       | 12          |
| CPR          | COMPRESSOR                  | 11          |
| CR           | COMPRESSOR RUN CAPACITOR    | 12          |
| FU           | FUSE                        | 25          |
| H            | HEATER RELAY                | 27,33       |
| HI-TEMP-SW   | HIGH TEMPERATURE SWITCH     | 29          |
| HPCO         | HIGH-PRESSURE CUTOFF        | 30          |
| IDM          | INDOOR MOTOR                | 18,30       |
| LPCO         | LOW-PRESSURE CUTOFF         | 30          |
| ODM          | OUTDOOR MOTOR               | 15          |
| PPM          | HEATER PLUG                 | 27,28       |
| TNS          | TRANSFORMER, 208/230V - 24V | 22          |
| IOL          | INTERNAL OVERLOAD           |             |
| CN           | CONNECTOR AND WIRE NUT      |             |

Figure 2. 5TCC4024-42

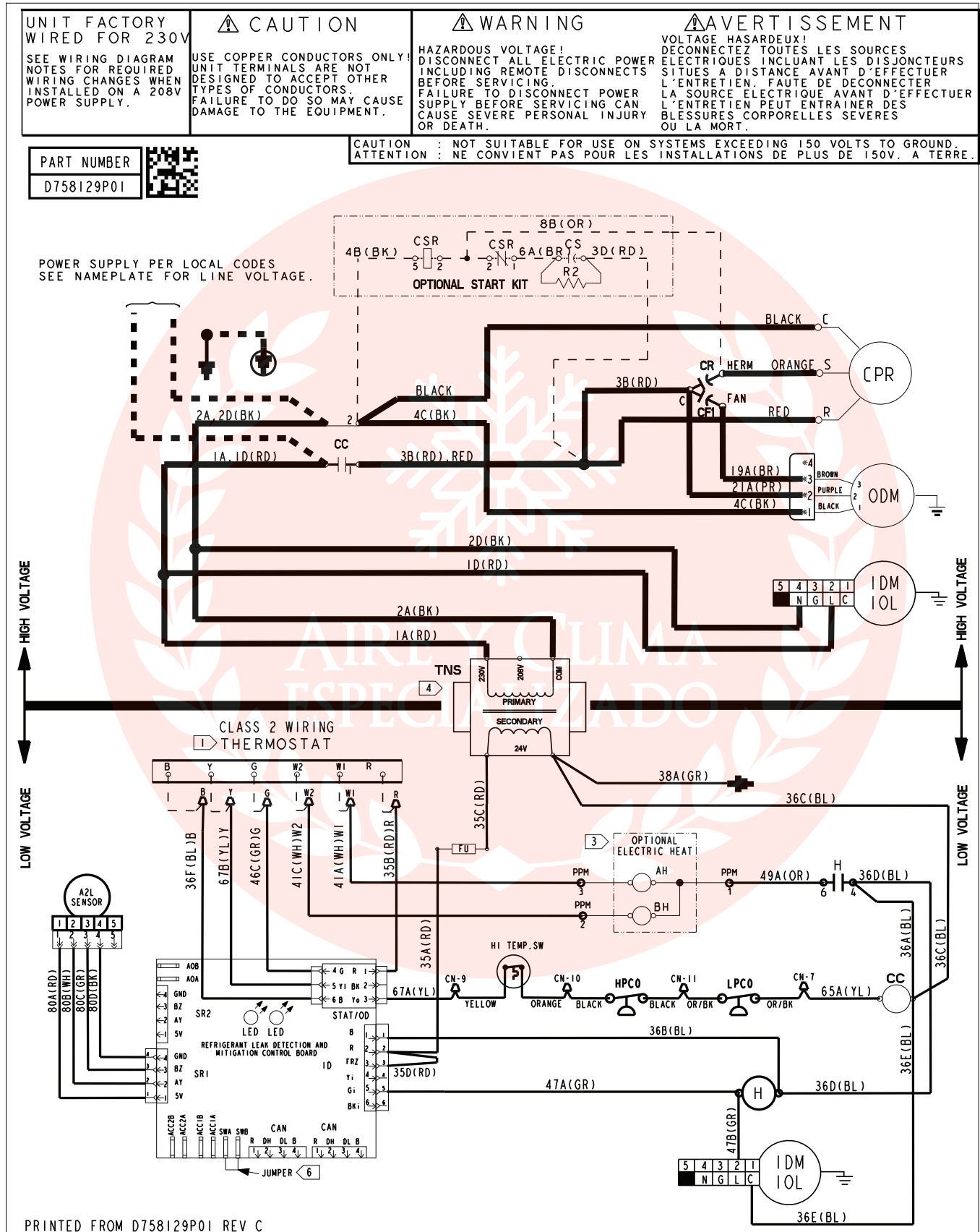


Figure 3. 5TCC4048

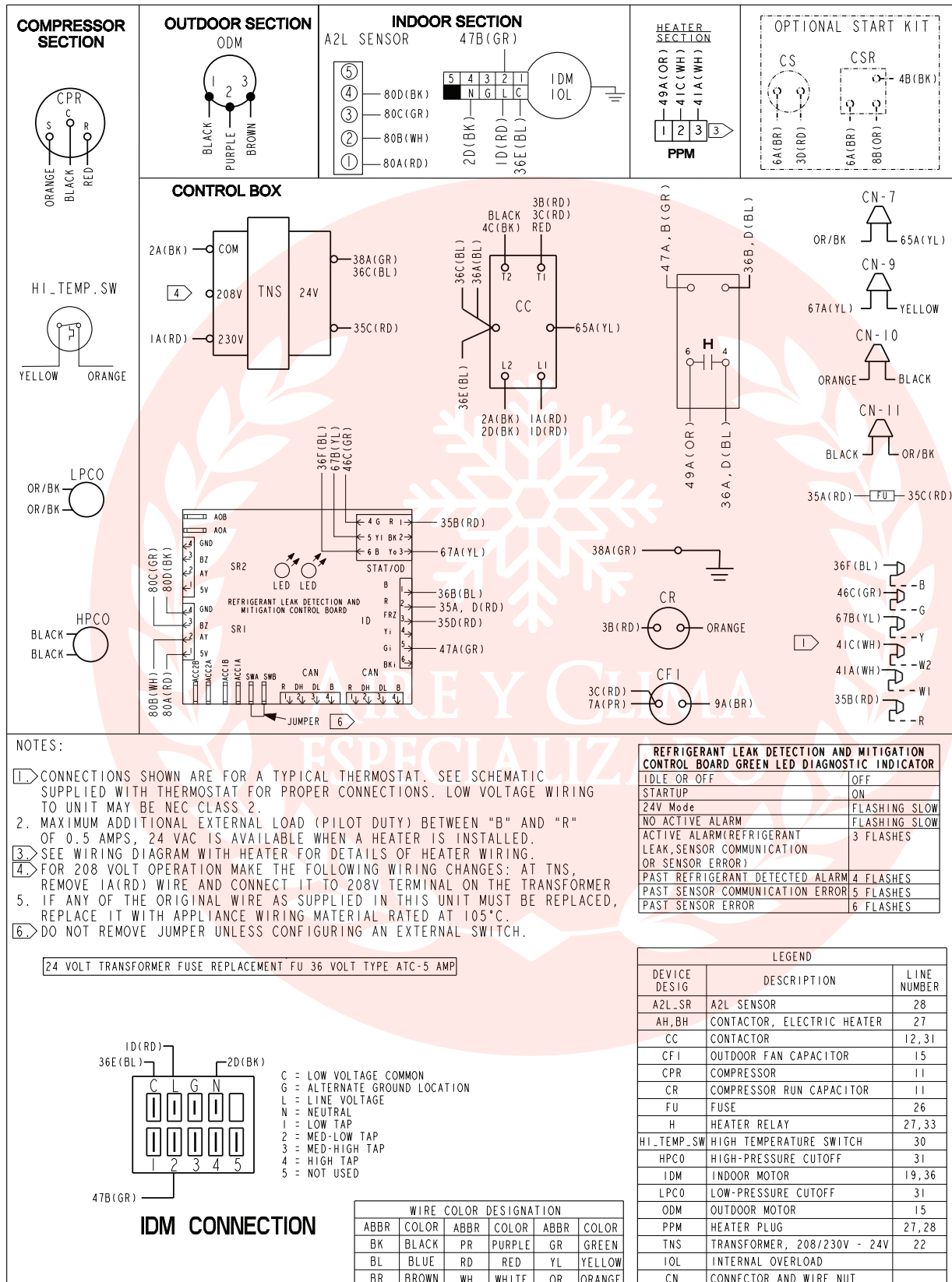


Figure 4. 5TCC4048

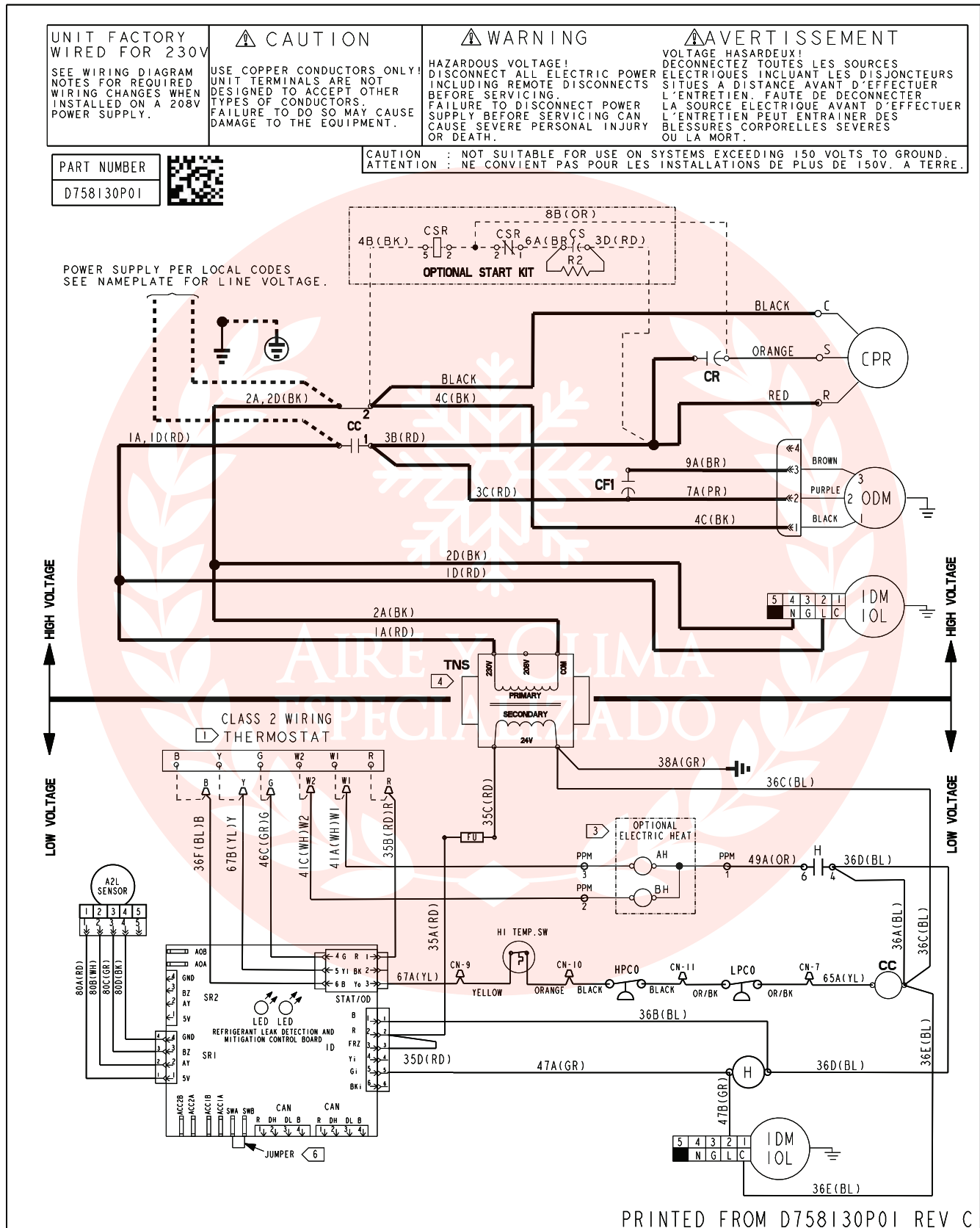
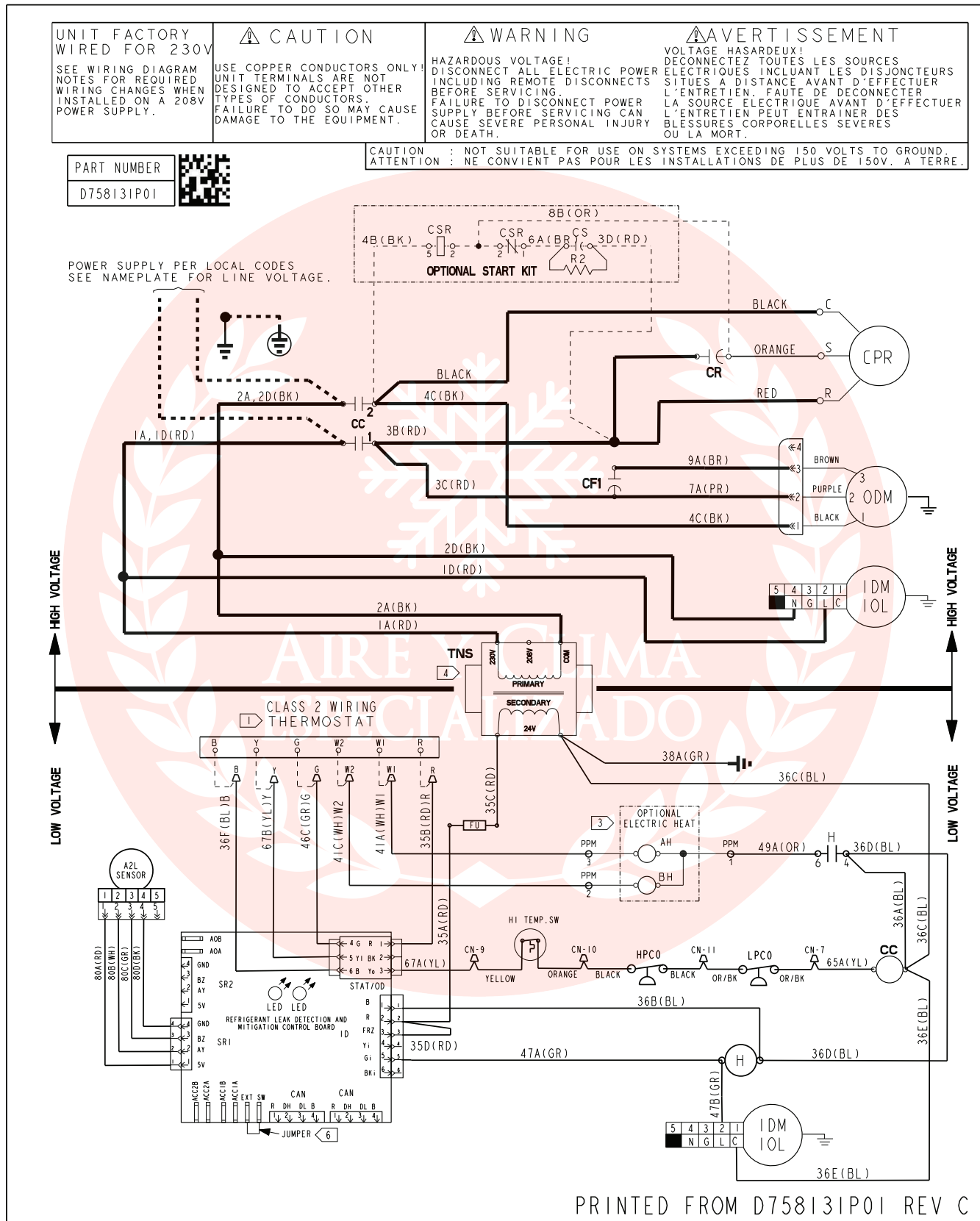




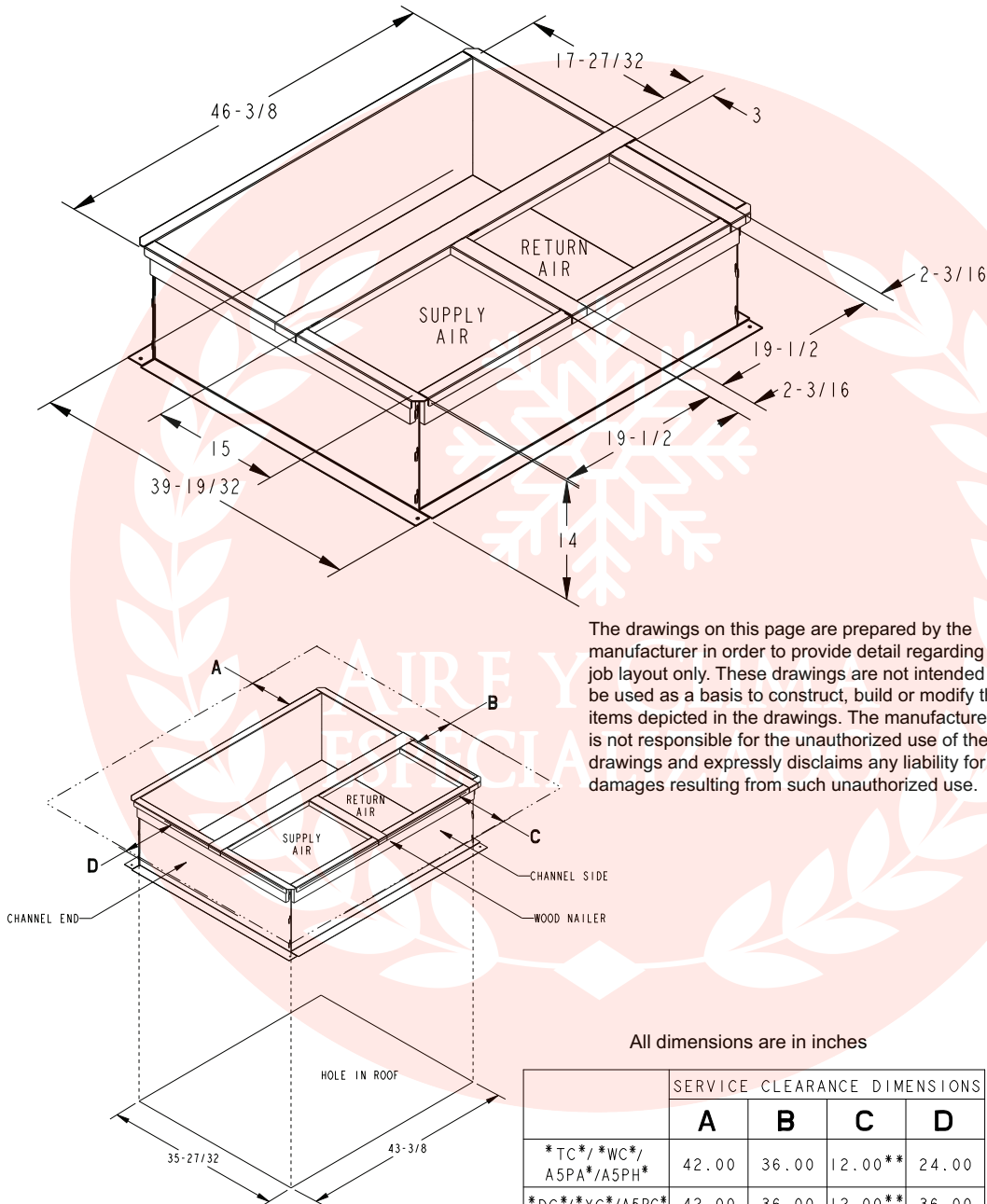
Figure 6. 5TCC4060



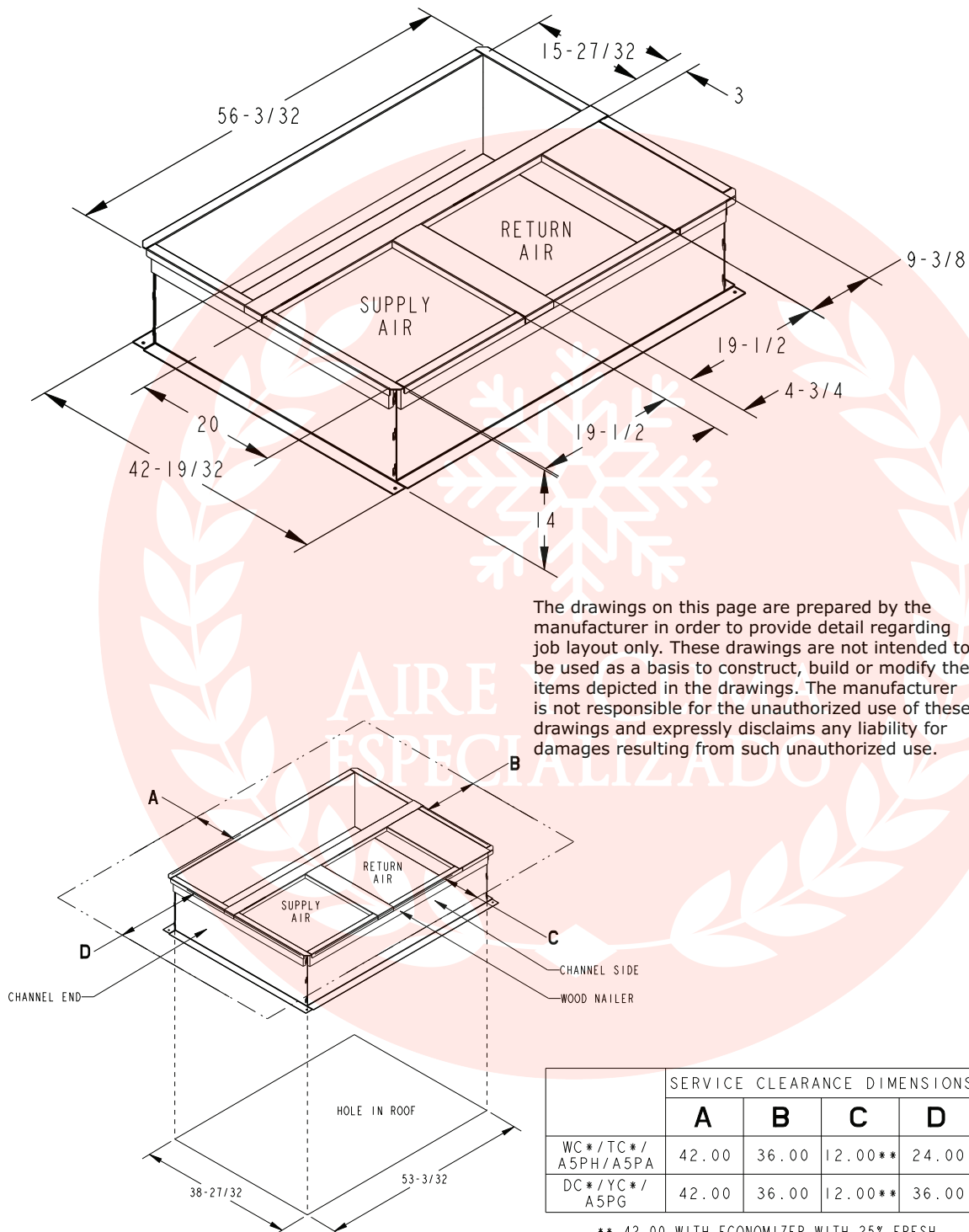
# Full Perimeter Roof Mounting Curb

Figure 7. 2.0 to 3.0 ton models

## BAYCURB050B Full Perimeter Roof Mounting Curb



\*\*42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

**Figure 8. 3.5 to 5.0 ton models**
**BAYCURB051B Full Perimeter Roof Mounting Curb**


## Optional Equipment — Economizer

**Table 12. BAYECON105,106A down discharge economizer and rain hood  
(Mounts over horizontal return air opening)**

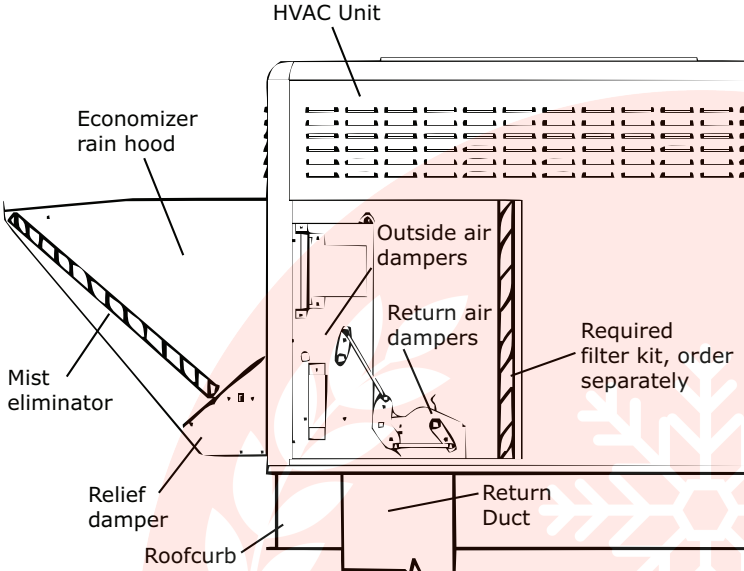
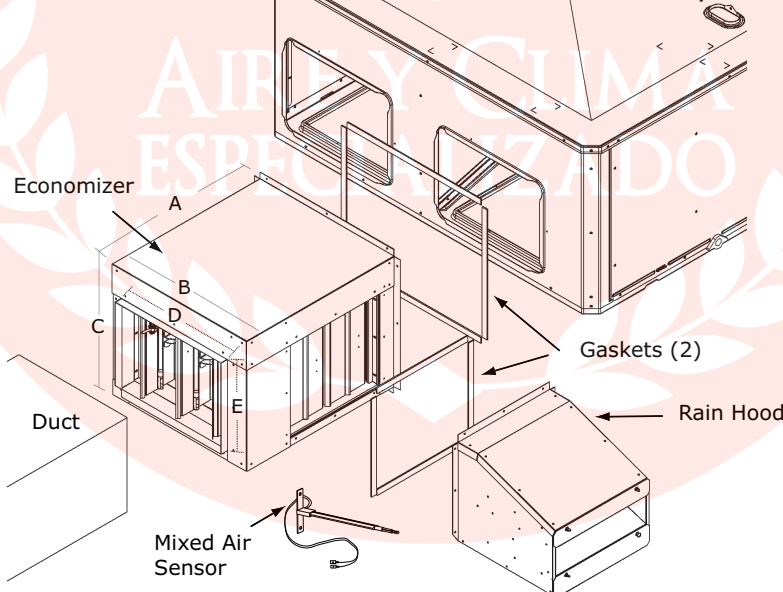
|  | Economizer  | Unit Application Models |
|-----------------------------------------------------------------------------------|-------------|-------------------------|
|                                                                                   | BAYECON105A | 2.0 — 3.0 Ton Models    |
|                                                                                   | BAYECON106A | 3.5 — 5.0 Ton Models    |

**Table 13. BAYCON205, 206A horizontal economizer and rain hood**

|  |               |     |           |         |           |           |         |
|--------------------------------------------------------------------------------------|---------------|-----|-----------|---------|-----------|-----------|---------|
| Economizer                                                                           | Models        | A   | B         | C       | D         | E         | F       |
| BAYECON205A                                                                          | 2.0 — 3.0 Ton | 22" | 20"       | 16-7/8" | 15-11/16" | 11-11/16" | 15"     |
| BAYECON206A                                                                          | 3.5 — 5.0 Ton | 26" | 22-21/32" | 19"     | 17-11/16" | 14-11/16" | 21-3/8" |

**Note:** The drawings on this page are prepared by the manufacturer in order to provide detail regarding job layout only. These drawings are not intended to be used as a basis to construct, build or modify the items depicted in the drawings. The manufacturer is not responsible for the unauthorized use of these drawings and expressly disclaims any liability for damages resulting from such unauthorized use.

## Optional Equipment — Outside Air Damper

**Table 14. BAYOSAH001 and 002A outside air damper**  
(Replaces filter/coil access panel)

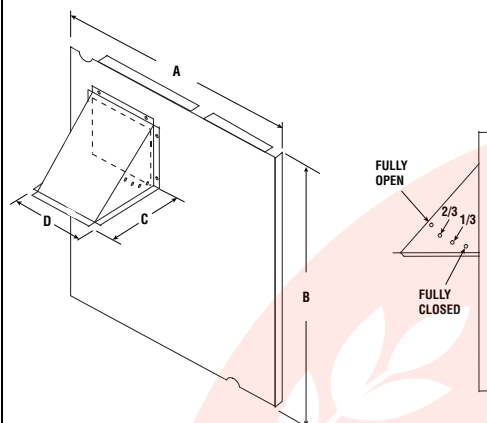
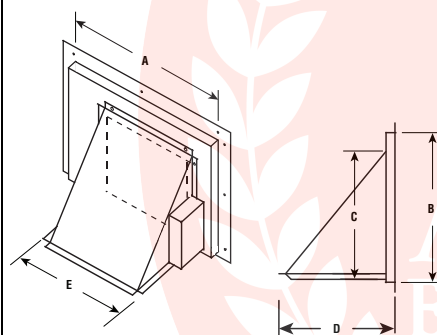
|  | Manual Fresh Air Model | Unit Application Models | A        | B         | C       | D       |
|-----------------------------------------------------------------------------------|------------------------|-------------------------|----------|-----------|---------|---------|
|                                                                                   | BAYOSAH001A            | 2.0 — 3.0 Ton           | 22-7/16" | 20-11/16" | 12-3/8" | 9-3/16" |
|                                                                                   | BAYOSAH002A            | 3.5 — 5.0 Ton           | 25-3/16" | 20-11/16" | 12-3/8" | 9-3/16" |

**Table 15. BAYDMPR101 and 102A, 25% motorized outside air damper**  
(Mounts over horizontal return air opening)

|  | Manual Fresh Air Model | Unit Application Models | A         | B         | C       | D       | E       |
|------------------------------------------------------------------------------------|------------------------|-------------------------|-----------|-----------|---------|---------|---------|
|                                                                                    | BAYDM-PR101A           | 2.0 — 3.0 Ton           | 15-13/16" | 11-13/16" | 10-1/4" | 11-1/2" | 12-1/4" |
|                                                                                    | BAYDM-PR102A           | 3.5 — 5.0 Ton           | 18-3/16"  | 15-1/8"   | 10-1/4" | 11-1/2" | 12-1/4" |

**Note:** The drawings on this page are prepared by the manufacturer in order to provide detail regarding job layout only. These drawings are not intended to be used as a basis to construct, build or modify the items depicted in the drawings. The manufacturer is not responsible for the unauthorized use of these drawings and expressly disclaims any liability for damages resulting from such unauthorized use.



## Optional Equipment — Filter Rack

**Figure 9. BAYFLTR101 filter rack (2.0 to 3.0 ton models)  
BAYFLTR201 (3.5 to 5.0 ton models)  
(Mounts in filter/coil section)**

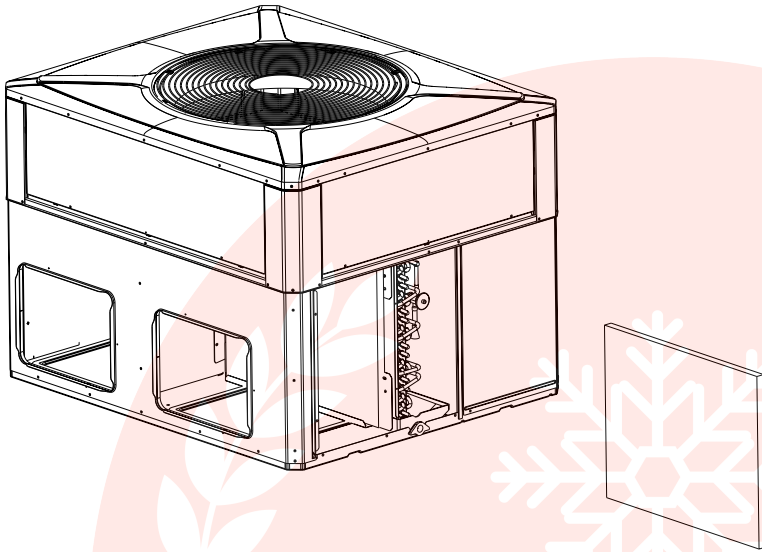
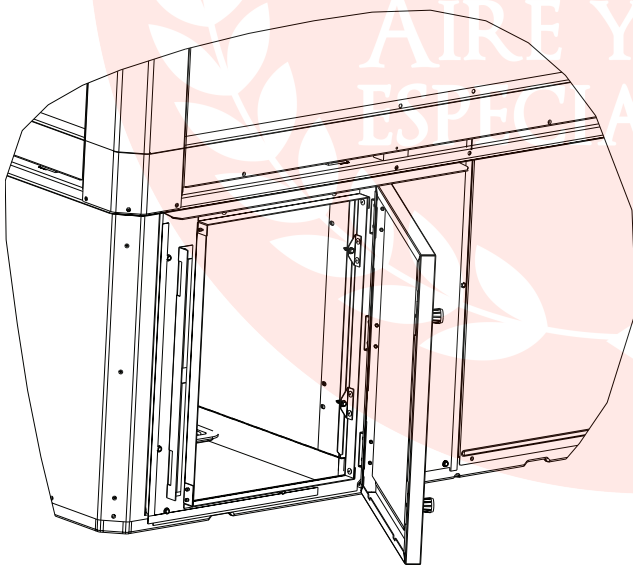


**Figure 10. BAYACCDOR1A hinged filter access door (2.0 to 3.0 ton models)  
BAYACCDOR2A (3.5 to 5.0 ton models)  
(Replaces filter/coil access panel)**



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# Dimensional Data

**Figure 11. Space on sides requirements**

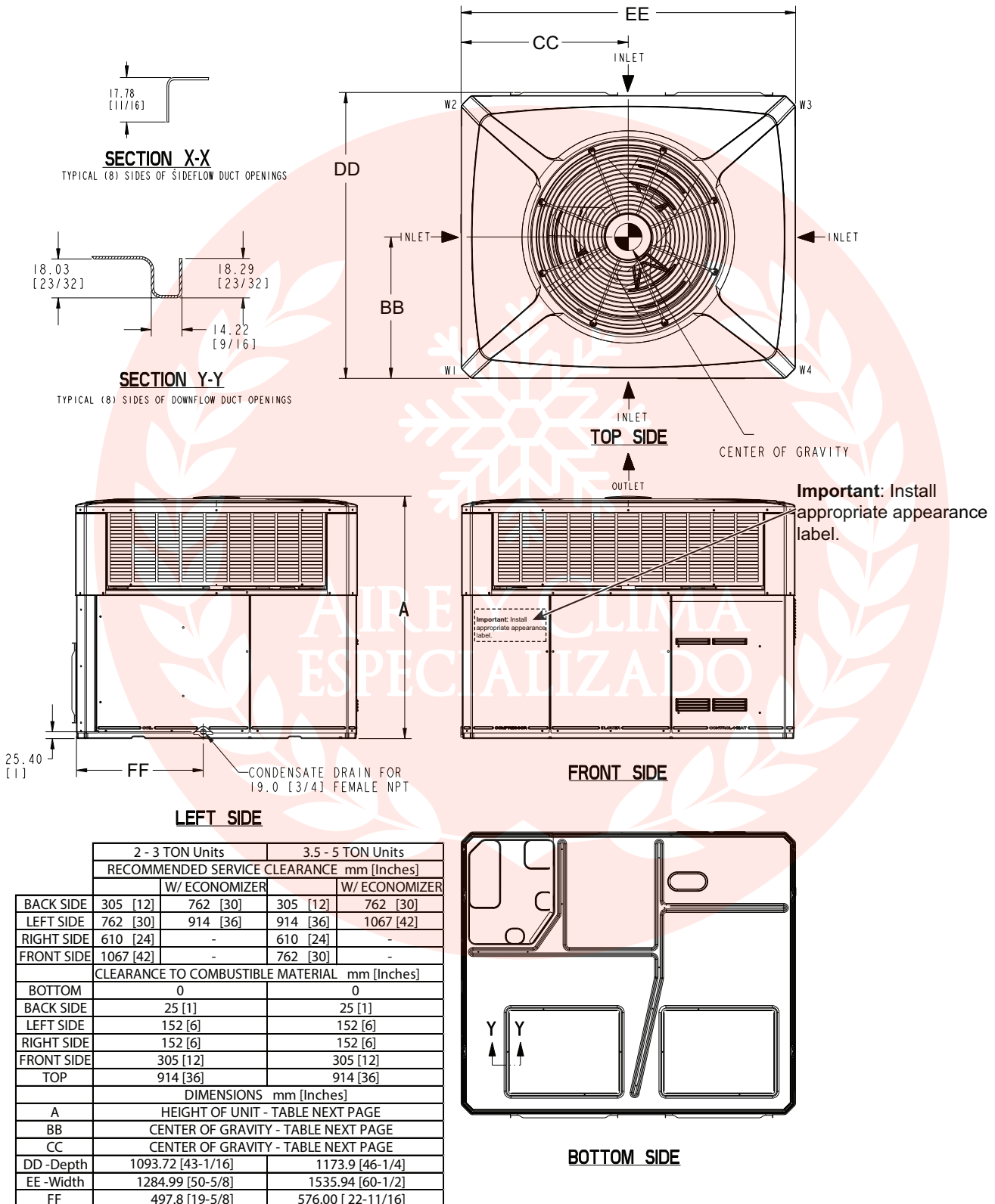
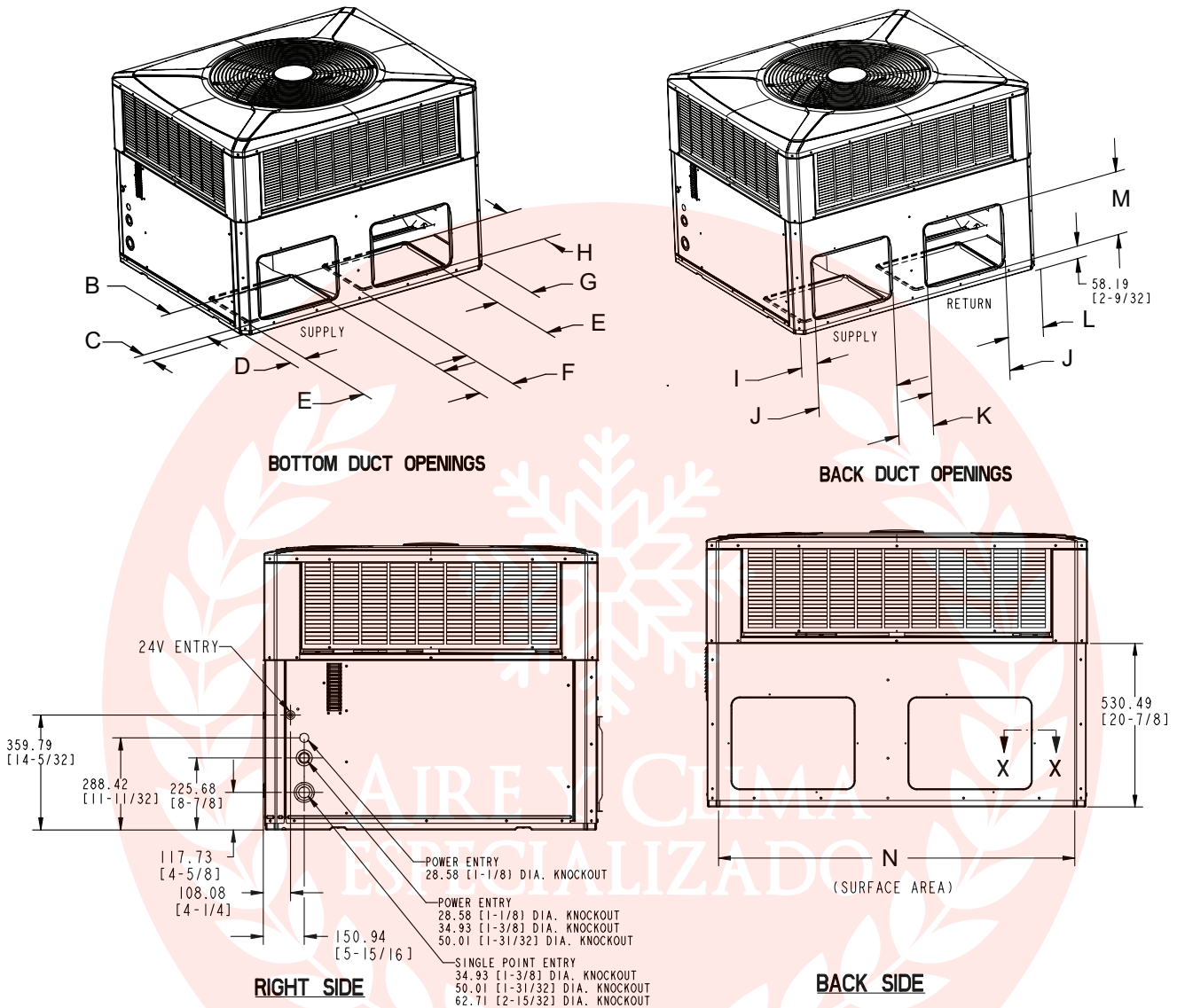


**Figure 12. Bottom and back duct Openings**



|          | Height mm [in]     | PHYSICAL DIMENSIONS mm [in] |                 |                 |                  |                  |                   |                  |                 |                   |                  |                   |                   |                    |
|----------|--------------------|-----------------------------|-----------------|-----------------|------------------|------------------|-------------------|------------------|-----------------|-------------------|------------------|-------------------|-------------------|--------------------|
|          | A -Height          | B                           | C               | D               | E                | F                | G                 | H                | I               | J                 | K                | L                 | M                 | N                  |
| 5TCC4024 | 898.53 [35 - 3/8]  | 304.80<br>[12.0]            | 92.33<br>[3.63] | 66.51<br>[2.63] | 406.40<br>[16.0] | 167.89<br>[6.61] | 173.46<br>[6.8]   | 304.80<br>[12.0] | 48.35<br>[1.90] | 398.22<br>[15.68] | 176.07<br>[6.93] | 176.68<br>[6.96]  | 296.62<br>[11.68] | 1155.45<br>[45.49] |
| 5TCC4030 | 949.33 [37 - 3/8]  |                             |                 |                 |                  |                  |                   |                  |                 |                   |                  |                   |                   |                    |
| 5TCC4036 |                    |                             |                 |                 |                  |                  |                   |                  |                 |                   |                  |                   |                   |                    |
| 5TCC4042 | 898.53 [35 - 3/8]  | 457.20<br>[18.0]            | 75.41<br>[2.97] | 74.55<br>[2.93] | 381.00<br>[15.0] | 244.09<br>[9.61] | 318.75<br>[12.55] | 381.00<br>[15.0] | 42.44<br>[1.65] | 449.02<br>[17.68] | 176.07<br>[6.93] | 321.97<br>[12.68] | 372.82<br>[14.68] | 1354.74<br>[53.34] |
| 5TCC4048 | 1000.13 [39 - 3/8] |                             |                 |                 |                  |                  |                   |                  |                 |                   |                  |                   |                   |                    |
| 5TCC4060 |                    |                             |                 |                 |                  |                  |                   |                  |                 |                   |                  |                   |                   |                    |

|          | Corner Weights KG [LBS] |            |           |            | SHIPPING WEIGHT KG [LBS] | UNIT WEIGHT KG [LBS] | Center Of Gravity mm [inch] |              |
|----------|-------------------------|------------|-----------|------------|--------------------------|----------------------|-----------------------------|--------------|
|          | W1                      | W2         | W3        | W4         |                          |                      | BB                          | CC           |
| 5TCC4024 | 60.3 [133]              | 36.8 [81]  | 26.1 [58] | 41.0 [90]  | 197.8 [436]              | 164.2 [362]          | 479.8 [18.9]                | 527.8 [20.8] |
| 5TCC4030 | 63.1 [139]              | 38.7 [85]  | 27.5 [61] | 43.1 [95]  | 205.9 [454]              | 172.4 [380]          | 406.5 [16.0]                | 594.1 [23.4] |
| 5TCC4036 | 63.9 [141]              | 38.9 [86]  | 27.7 [61] | 43.7 [96]  | 207.7 [458]              | 174.2 [384]          | 414.3 [16.3]                | 697.6 [27.5] |
| 5TCC4042 | 72.7 [160]              | 47.2 [104] | 35.2 [78] | 53.6 [118] | 255.8 [564]              | 208.7 [460]          | 470.0 [18.5]                | 731.0 [28.8] |
| 5TCC4048 | 75.0 [165]              | 45.0 [99]  | 33.8 [75] | 54.4 [120] | 255.4 [563]              | 208.2 [459]          | 433.0 [17.0]                | 743.3 [29.3] |
| 5TCC4060 | 79.3 [175]              | 46.3 [102] | 34.9 [77] | 59.0 [130] | 266.7 [588]              | 219.5 [484]          | 414.0 [16.3]                | 635.0 [25.0] |



# Mechanical Specifications

## General

The units shall be horizontal airflow as shipped and convertible to downflow. All units shall be factory assembled, piped, internally wired and fully charged with refrigerant. Units shall be certified to UL 60335. All units shall be factory run tested to check cooling operation, fan and blower rotation and control or TXV sequence. Units shall be designed to operate at ambient temperatures between 115°F and 55°F in cooling as manufactured. Cooling performance shall be rated in accordance with AHRI standards.

## Unit Casing

All components shall be mounted in a weather-resistant steel cabinet with an enamel finish. Access panels shall be provided for unit controls and indoor coil and fans. Indoor air section compartment shall be completely insulated with fireproof, permanent, odorless fiber material. Knockouts shall be provided for utility and control connections. Drain connections shall be provided to accommodate indoor water runoff.

## Compressor

The compressor shall be hermetically sealed, high efficiency scroll compressors. Internal overcurrent and over temperature protection, internal pressure relief shall be standard. Other features include centrifugal oil pump, low vibration and noise.

## Refrigeration System

All units shall have refrigerant control. Service pressure tap ports and a refrigerant line filter shall be standard.

**Evaporator Coil (2–4 Ton Models)** All aluminum micro channel, extruded tubes, mechanically bonded to aluminum fins, and factory pressure tested at 480 PSIG and leak tested at 250 to 300 PSIG. All units have TXV to control refrigerant flow.

**Evaporator Coil (5 Ton Model)** Internally enhanced 3/8-in. OD seamless copper tubing mechanically bonded to aluminum fins, factory pressure tested at 480 PSIG and leak tested at 250 to 300 PSIG. All units have TXV to control refrigerant flow.

## Condenser Coil

The Spine Fin™ condenser coil shall be continuously wrapped, corrosion resistant all aluminum with minimum brazed joints. This coil is 3/8-in. OD seamless aluminum tubing glued to a continuous aluminum fin. Coils are lab tested to withstand 2,000 pounds of pressure per square inch. The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

## Indoor Air Fan

Constant Torque, forward-curved, centrifugal wheel in a Composite Vortica® Blower housing. Motor shall have thermal overload protection and permanently lubricated motor bearings. Motor/blower assembly isolated from unit with rubber mounts.

## Outdoor Fan

One direct-drive, statically and dynamically balanced propeller fan shall be used in a draw-through vertical discharge configuration. Permanently lubricated weather proof motor shall have built-in thermal overload protection.

## System Controls

System controls include condenser fan, evaporator fan and compressor contactors.

## Accessories Roof Curb

The roof curb shall be designed to mate with the unit and provide support and complete weathertight installation when properly installed. Adhesive back polyurethane sealing strips shall be provided to ensure an airtight seal between supply and return openings of the curb and unit. The roof curb design allows field fabricated ductwork to be connected directly to the curb. Curb ships knocked down for field assembly, and includes factory installed wood nailer strips.

**Electric Heaters**

Each heater assembly shall include power supply fusing if over 48 amps, automatic resetting limit switches and heat limiters for thermal protection. Heaters shall be provided with polarized plugs for quick connection to unit low voltage wiring. Electric heat modules shall be UL listed.

**Single Source Power Entry**

This accessory when used with electric heat accessory shall allow single source power connection to unit and heater combination. Single source power entry kits shall have specific matching heater(s). Kit shall include high voltage terminal blocks, fuse blocks and fuses, cut-to-length interconnecting wiring, and junction box (if required) to provide power sources with fuse protection as required for both the unit and accessory heater. Kit components shall install within the heater cabinet in the heater access section. Single source branch power circuit shall be protected and wired in accordance with local codes.

**Fully Modulating Economizer**

This accessory shall be field installed and be composed of the following items: 0–100 % fresh air damper, damper drive motor, fixed dry bulb enthalpy control, and low voltage pigtailed for electrical connections. Solid state enthalpy or differential enthalpy control is optional. Economizer operations shall be controlled by the preset position of the enthalpy control. A barometric relief damper shall be standard with the economizer and provide a pressure operated damper that shall be gravity closing and prohibit entrance of outside air on equipment "off" cycle. Economizer requires BAYRLAY004B relay kit to interface the economizer to the heat pump.

**Manual Outside Air Dampers**

Rain hood and screen shall be field installed. Suitable for up to 25% outside air.

**Start Kit**

Extra compressor starting capacity for single phase equipment.

**Control Options****Standard Indoor Thermostats**

Two stage heating/cooling or one stage heating/cooling thermostats shall be available in either manual or automatic changeover.

**Programmable Electronic Night Setting Thermostat**

Programmable electronic thermostat shall provide heating setback and cooling setup with 7–day programming capability. 1H/1C or 2H/2C models available.









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