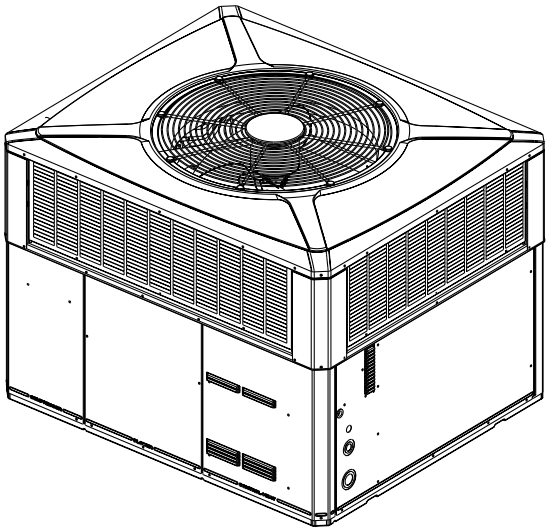
# Product and Submittal Data

## Single Packaged Heat Pump Choice, Convertible, 2 to 5 Ton, R-454B

5WCC4024A1000A
5WCC4030A1000A
5WCC4036A1000A
5WCC4042A1000A
5WCC4048A1000A
5WCC4060A1000A
5WCC4036A3000A
5WCC4048A3000A
5WCC4060A3000A
5WCC4036A4000A
5WCC4048A4000A
5WCC4060A4000A



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

September 2025

**PKGR-PSD001B-EN**

# Introduction

**Single Packaged Electric Heat Pumps are easy and versatile to install.**

Because cooling and heating functions are all contained in a single cabinet, Trane packaged heat pump systems are 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 Electric Heat Pump 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.

**Single Packaged Electric Heat Pump Systems provide better performance.**

Our single packaged cooling/heating units offer cooling/heating efficiencies that are unmatched in the industry and provide you with a product far superior in performance than the competition.

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## Revision History

- Updated Optional equipment listing table, and added Adaptor Kit for CleanEffects and Media Filter.
- Updated Product specification tables.
- Updated Supplementary electric heaters table.
- Updated Wiring diagrams images.

# Table of Contents

# Optional Equipment Listing

**Table 1. Optional equipment listing**

| | |
|---|---|
| Hinged Filter Access Door (5WCC4024–036)[a] | BAYACCDOR1A [ ] |
| Hinged Filter Access Door (5WCC4042–060)[a] | BAYACCDOR2A [ ] |
| Roof Curb Full Perimeter (5WCC4024–036) | BAYCURB050B [ ] |
| Roof Curb Full Perimeter (5WCC4042–060) | BAYCURB051B [ ] |
| Roof Curb Utility Extension Kit (Used with BAYCURB050B) | BAYUTIL101B [ ] |
| Roof Curb Utility Extension Kit (Used with BAYCURB051B) | BAYUTIL102B [ ] |
| 0–25% Manual Fresh Air Damper (5WCC4024–036)[b] [c] | BAYOSAH001A [ ] |
| 0–25% Manual Fresh Air Damper (5WCC4042–060)[b][c] | BAYOSAH002A [ ] |
| Motorized Fresh Air Damper (5WCC4024–036)[b] | BAYDMPR101A [ ] |
| Motorized Fresh Air Damper (5WCC4042–060)[b] | BAYDMPR102A [ ] |
| 0–100% Mod Economizer w/Baro. Relief (5WCC4024–036)[d] [e] | BAYECON105A [ ] |
| 0–100% Mod Economizer w/Baro. Relief (5WCC4042–060)[d][e] | BAYECON106A [ ] |
| 0–100% Horizontal Economizer (5WCC4024–036)[b][g] | BAYECON205A [ ] |
| 0–100% Horizontal Economizer (5WCC4042–060)[b][g] | BAYECON206A [ ] |
| Enthalpy Control for Economizer (Used with all BAYECON) | BAYEENTH001A [ ] |
| Remote Potentiometer (Used with all BAYECON) | BAYSTAT023 [ ] |
| 1 to 2-in. Filter Frame (5WCC4024–036) (18 x 25 filter not included) | BAYFLTR101C [ ] |
| 1 to 2-in. Filter Frame (5WCC4042–060) (two 18 x 20 filters not included) | BAYFLTR201C [ ] |
| Head Pressure Control (Low Ambient Cool) (208/240v) Kit | BAYLOAM105A [ ] |
| Quick Start Kit (5WCC4) | BAYQSTK300B [ ] |
| Crankcase Heater Scroll (5WCC4042–060) (230v) | BAYCCHT102A [ ] |
| Crankcase Heater Scroll (5WCC4024–036) (230v) | BAYCCHT103A [ ] |
| Crankcase Heater Scroll (5WCC4048–060) (460v) | BAYCCHT404B [ ] |
| Crankcase Heater Scroll (5WCC4036) (460v) | BAYCCHT405A [ ] |
| Adapter Curb (5WCC4024–36) to BAYCURB030, 38 | BAYADAP050A [ ] |
| Adapter Curb (5WCC4024–36) to BAYCURB033 | BAYADAP051A [ ] |
| Adapter Curb (5WCC4042–60) to BAYCURB030, 38 | BAYADAP052A [ ] |
| Adapter Curb (5WCC4042–60) to BAYCURB033 | BAYADAP053A [ ] |
| Adapter Curb (5WCC4042–60) to BAYCURB034 | BAYADAP054A [ ] |
| 12-in. Duct Shroud Covers Horizontal (5WCC4024–060)[f] | BAYCOVR112A [ ] |
| 18-in. Duct Shroud Covers Horizontal (5WCC4024–060)[f] | BAYCOVR118A [ ] |
| Extreme Condition Mounting Kit — All BAYCURB & BAYADAP | BAYEXMK001A [ ] |
| Extreme Condition Mounting Kit — All BAYUTIL | BAYEXMK002B [ ] |
| Extreme Condition Mounting Kit — All Slab Mounts | BAYEXMK003A [ ] |
| Lifting Lug Kit | BAYLIFT002B [ ] |
| Adaptor Kit for Installation of CleanEffects and 5-in. Media Filter (Horizontal) (5WCC4024–036) | BAYACCEADP1B [ ] |
| Adaptor Kit for Installation of CleanEffects and 5-in. Media Filter (Horizontal) (5WCC4042–060) | BAYACCEADP2B [ ] |
| **Supplementary Heaters (1 Phase) * = T or W Only (Does not apply to Gas/Electric or Dual Fuel models)** | |
| 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 [ ] |
| 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*CC4060) | BAYHTRG125A [ ] |
| **Supplementary Heaters (1 Phase) * = W Only (Does not apply to Gas/Electric or Dual Fuel models)** | |
| 3.76/5.0 kW Heater (208/240V 3 Ph) (5*CC4036–060) | BAYHTRG305A [ ] |

**Table 1. Optional equipment listing (continued)**

| | |
|---|---|
| 6.0/8.0 kW Heater (208/240V 3 Ph) (5*CC4036–060) | BAYHTRG308A [ ] |
| 7.5/10.0 kW Heater (208/240V 3 Ph) (5*CC4036–060) | BAYHTRG310A [ ] |
| 11.2-7/15.0 kW Heater (208/240V 3 Ph) (5*CC4036–060) | BAYHTRG315A [ ] |
| 15.0/20.0 kW Heater (208/240V 3 Ph) (5*CC4048–060) | BAYHTRG320A [ ] |
| 18.7-8/25.0 kW Heater (208/240V 3 Ph) (5*CC4048–060) | BAYHTRG325A [ ] |
| 5.0 kW Heater (480V 3 Ph) (5*CC4036–060) | BAYHTRG405A [ ] |
| 8.0 kW Heater (480V 3 Ph) (5*CC4036–060) | BAYHTRG408A [ ] |
| 10.0 kW Heater (480V 3 Ph) (5*CC4036–060) | BAYHTRG410A [ ] |
| 15.0 kW Heater (480V 3 Ph) (5*CC4036–060) | BAYHTRG415A [ ] |
| 20.0 kW Heater (480V 3 Ph) (5*CC4048–060) | BAYHTRG420A [ ] |
| Single Power Entry Kit[g] | BAYSPEK060J [ ] |
| Single Power Entry Kit[g] | BAYSPEK061J [ ] |
| Single Power Entry Kit[g] | BAYSPEK062J [ ] |
| Single Power Entry Kit[g] | BAYSPEK063J [ ] |
| Single Power Entry Kit[g] | BAYSPEK064J [ ] |
| Single Power Entry Kit[g] | BAYSPEK065J [ ] |

[a] BAYACCDOR1A requires BAYFLTR101C and BAYACCDOR2A requires BAYFLTR201C. They are not backward compatible to BAYFLTR101/201A.
[b] Must use internal filter frame when economizer or fresh air kit is used.
[c] BAYOSAH001A and BAYOSAH002A are not compatible with BAYACCDOR1A or BAYACCDOR2A.
[d] Dry bulb control standard with economizer.
[e] Downflow only.
[f] BAYCOVR112,118A will not cover 18-in. square to round applications.
[g] Must be selected per unit and heater model.

# Product Specifications

**Table 2. Models – 5WCC4024*1, 5WCC4030*1, 5WCC4036*1, 5WCC4042*1, 5WCC4048*1, and 5WCC4060*1**

| Model | 5WCC4024*1 | 5WCC4030*1 | 5WCC4036*1 | 5WCC4042*1 | 5WCC4048*1 | 5WCC4060*1 |
|---|---|---|---|---|---|---|
| Rated Volts/Ph/Hz | 208–230/1/60 | | | | | |
| Performance Cooling BTUH[a] | 23800 | 29600 | 35200 | 43000 | 48000 | 57000 |
| Indoor Airflow (CFM) | 744 | 994 | 1154 | 1438 | 1655 | 1970 |
| Power Input (kW) | 2.11 | 2.55 | 3.11 | 3.65 | 4.34 | 5.00 |
| EER2/SEER2 (BTU/Watt-Hr.)[b] | 11.0/13.4 | 11.0/13.4 | 11.0/13.6 | 11.0/13.6 | 11.0/13.4 | 11.0/13.6 |
| Sound Power Rating [dB (A)][c] | 66.40 | 70.00 | 70.9 | 71.50 | 72.50 | 77.3 |
| **Performance Heating** | | | | | | |
| (High Temp.) BTUH | 21000 | 26400 | 34000 | 39000 | 45000 | 56000 |
| Power Input (kW) | 1.76 | 2.23 | 2.85 | 3.33 | 3.93 | 4.78 |
| (Low Temp.) BTUH | 12800 | 15800 | 21400 | 24400 | 29400 | 34800 |
| Power Input (kW) | 1.63 | 2.04 | 2.62 | 3.12 | 3.66 | 4.36 |
| HSPF2 (BTUH/Watt-Hr) | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 7.0 |
| **Power Conn. — V/Ph/Hz** | 208–230/1/60 | | | | | |
| Min. Brch. Cir. Ampacity[d] | 19 | 21 | 26 | 31 | 36 | 41 |
| Fuse Size — Max. (amps) | 30 | 30 | 40 | 45 | 50 | 60 |
| Fuse Size — Recmd. (amps) | 30 | 30 | 40 | 45 | 50 | 60 |
| **Compressor** | Scroll | Scroll | Scroll | Scroll | Scroll | Scroll |
| Volts/Ph/Hz | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 |
| R.L. Amps — L.R. Amps | 11.4 / 64.4 | 12.7 / 75.6 | 16.7 / 93.5 | 18.6 / 123.0 | 22.4 / 126 | 25.6 / 150.0 |
| **Outdoor Coil — Type** | Spine Fin | Spine Fin | Spine Fin | Spine Fin | Spine Fin | Spine Fin |
| Rows/F.P.I | 2 / 24 | 2 / 24 | 2 / 24 | 2 / 24 | 2 / 24 | 2 / 24 |
| Face Area (sq. ft.) | 13.32 | 15.49 | 15.49 | 20.54 | 20.54 | 23.00 |
| Tube Size (in.) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Refrigerant Control | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve |
| **Indoor Coil — Type** | Plate Fin | Plate Fin | Plate Fin | Plate Fin | Plate Fin | Plate Fin |
| Rows/F.P.I | 3 / 15 | 4 / 15 | 4 / 15 | 3 / 15 | 3 / 15 | 4 / 15 |
| Face Area (sq. ft.) | 3.5 | 3.5 | 3.5 | 5.0 | 5.0 | 5.0 |
| Tube Size (in.) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Refrigeration Control | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve |
| Drain Conn. Size (in.) | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT |
| **Outdoor Fan — Type** | Propeller | Propeller | Propeller | Propeller | Propeller | Propeller |
| Dia. (in.) | 23.4 | 23.4 | 23.4 | 28.3 | 28.3 | 28.3 |
| Drive/No. Speeds | Direct/ 1 | Direct/ 1 | Direct/ 1 | Direct/ 1 | Direct/ 1 | Direct/ 1 |
| CFM @ 0.0 in. w.g.[e] | 2550 | 3270 | 3250 | 4400 | 4400 | 5500 |
| 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 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 |
| F.L. Amps/L.R Amps | 0.54 / 0.82 | 0.85 / 1.65 | 1.1 - 2.0 | 1.5 / 3.07 | 1.5 / 3.07 | 1.7 / 3.5 |
| **Indoor Fan — Type** | Constant Torque ECM | | | | | |
| Dia. x Width (in.) | 10.62 X 10.62 | 10.62 X 10.62 | 10.62 X 10.62 | 10.62 X 10.62 | 10.62 X 10.62 | 11.87 X 10.62 |
| Drive/No. Speeds | Direct/ 4 | Direct/ 4 | Direct/ 4 | Direct/ 4 | Direct/ 4 | Direct/ 4 |
| CFM @ 0.0 in. w.g.[f] | See Indoor Fan Performance Table | | | | | |
| Motor — HP/R.P.M. | 1/2 / 1050 | 1/2 / 1050 | 1/2 / 1050 | 3/4 / 1050 | 3/4 / 1050 | 1 / 1050 |
| Volts/Ph/Hz | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 |
| F.L. Amps | 3.9 | 3.9 | 3.9 | 6.0 | 6.0 | 7.4 |

**Table 2. Models – 5WCC4024*1, 5WCC4030*1, 5WCC4036*1, 5WCC4042*1, 5WCC4048*1, and 5WCC4060*1 (continued)**

| Model | 5WCC4024*1 | 5WCC4030*1 | 5WCC4036*1 | 5WCC4042*1 | 5WCC4048*1 | 5WCC4060*1 |
|---|---|---|---|---|---|---|
| **Filter/ Furnished** | No | No | No | No | No | No |
| Type Recommended | Throwaway | Throwaway | Throwaway | Throwaway | Throwaway | Throwaway |
| Recmd. Face Area (sq. ft) (g) | 4.0 | 4.0 | 4.0 | 5.3 | 5.3 | 5.3 |
| **Refrigerant** | R-454B | R-454B | R-454B | R-454B | R-454B | R-454B |
| Charge (lbs.) | 4.76 | 5.68 | 7.42 | 7.13 | 7.00 | 9.96 |
| Charging Specification | | | | | | |
| Subcooling | 12° F | 12° F | 12° F | 12° F | 12° F | 8° F |
| **Dimensions** | H X W X L | | | | | |
| Crated (in.) | 46 X 45 X 52 | 48 X 45 X 52 | 48 X 45 X 52 | 50 X 47 X 62 | 50 X 47 X 62 | 52 X 47 X 62 |
| **Weight** | | | | | | |
| Shipping (lbs.) / Net (lbs.) | 403 / 329 | 434 / 359 | 444 / 369 | 554 / 450 | 535 / 431 | 596 / 492 |

(a) Rated in accordance with AHRI Standard 210/240.
(b) Rated in accordance with D.O.E. test procedure.
(c) Sound Power values are not adjusted for AHRI 270–95 tonal corrections.
(d) Calculated in accordance with currently prevailing Nat'l Electrical Code.
(e) Standard Air — Dry Coil — Outdoor.
(f) Standard Air — Dry Coil — Indoor.
(g) 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-in. W.C.

**Table 3. Models – 5WCC4036*3, 5WCC4048*3, 5WCC4060*3, 5WCC4036*4, 5WCC4048*4, and 5WCC4060*4**

| Model | 5WCC4036*3 | 5WCC4048*3 | 5WCC4060*3 | 5WCC4036*4 | 5WCC4048*4 | 5WCC4060*4 |
|---|---|---|---|---|---|---|
| Rated Volts/Ph/Hz | 208–230/3/60 | | | 460/3/60 | | |
| Performance Cooling BTUH(a) | 34400 | 46000 | 57000 | 34400 | 46000 | 57000 |
| Indoor Airflow (CFM) | 1150 | 1650 | 1970 | 1150 | 1650 | 1970 |
| Power Input (kW) | 3.11 | 4.34 | 5.00 | 3.11 | 4.34 | 5.00 |
| EER2/SEER2 (BTU/ Watt-Hr.)(b) | 11.0/13.6 | 11.0/13.4 | 11.0/13.6 | 11.0/13.6 | 11.0/13.4 | 11.0/13.6 |
| Sound Power Rating [dB (A)](c) | 70.9 | 72.5 | 77.3 | 75.4 | 74.5 | 79 |
| **Performance Heating** | | | | | | |
| (High Temp.) BTUH | 33600 | 44000 | 56000 | 33600 | 44000 | 56000 |
| Power Input (kW) | 2.85 | 3.93 | 4.78 | 2.85 | 3.93 | 4.78 |
| (Low Temp.) BTUH | 21400/2.39 | 29400 | 34800 | 21400 | 29400 | 34800 |
| Power Input (kW) | 2.62 | 3.66 | 4.36 | 2.62 | 3.66 | 4.36 |
| HSPF2 (BTUH/Watt-Hr) | 6.7 | 6.7 | 7.0 | 6.7 | 6.7 | 7.0 |
| **Power Conn. — V/Ph/Hz** | 208–230/3/60 | | | 460/3/60 | | |
| Min. Brch. Cir. Ampacity (d) | 20 | 24 | 29 | 12 | 15 | 18 |
| Fuse Size — Max. (amps) | 30 | 35 | 45 | 15 | 20 | 25 |
| Fuse Size — Recmd. (amps) | 30 | 35 | 45 | 15 | 20 | 25 |
| **Compressor** | Scroll | Scroll | Scroll | Scroll | Scroll | Scroll |
| Volts/Ph/Hz | 208–230/3/60 | 208–230/3/60 | 208–230/3/60 | 460/3/60 | 460/3/60 | 460/3/60 |
| R.L. Amps — L.R. Amps | 12.2/97.5 | 12.8/120.4 | 16.1/156.4 | 5.8/44.3 | 6.1/49.4 | 7.1/69 |
| **Outdoor Coil — Type** | Spine Fin | Spine Fin | Spine Fin | Spine Fin | Spine Fin | Spine Fin |
| Rows/F.P.I | 2 / 24 | 2 / 24 | 2 / 24 | 2 / 24 | 2 / 24 | 2 / 24 |
| Face Area (sq. ft.) | 15.49 | 20.54 | 23 | 15.49 | 20.54 | 23 |
| Tube Size (in.) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Refrigerant Control | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve |
| **Indoor Coil — Type** | Plate Fin | Plate Fin | Plate Fin | Plate Fin | Plate Fin | Plate Fin |

**Table 3. Models – 5WCC4036*3, 5WCC4048*3, 5WCC4060*3, 5WCC4036*4, 5WCC4048*4, and 5WCC4060*4 (continued)**

| Model | 5WCC4036*3 | 5WCC4048*3 | 5WCC4060*3 | 5WCC4036*4 | 5WCC4048*4 | 5WCC4060*4 |
|---|---|---|---|---|---|---|
| Rows/F.P.I | 4 / 15 | 3 / 15 | 4 / 15 | 4 / 15 | 3 / 15 | 4 / 15 |
| Face Area (sq. ft.) | 3.5 | 5 | 5 | 3.5 | 5 | 5 |
| Tube Size (in.) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Refrigeration Control | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve |
| Drain Conn. Size (in.) | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT | 3/4 Female NPT |
| **Outdoor Fan — Type** | Propeller | Propeller | Propeller | Propeller | Propeller | Propeller |
| Dia. (in.) | 23.4 | 28.0 | 28.3 | 23.4 | 28.0 | 28.25 |
| Drive/No. Speeds | Direct/ 1 | Direct/ 1 | Direct/ 1 | Direct/ 1 | Direct/ 1 | Direct/ 1 |
| CFM @ 0.0 in. w.g.(e) | 3250 | 4400 | 5500 | 3250 | 4400 | 5500 |
| Motor — HP/R.P.M | 1/5 / 825 | 1/4 / 825 | 1/3 / 825 | 1/5 / 825 | 1/4 / 825 | 1/3 / 825 |
| Volts/Ph/Hz | 208–230/1/60 | | | 460/1/60 | | |
| F.L. Amps/L.R Amps | 1.1 - 2.0 | 1.5 / 3.07 | 1.7 / 3.5 | 0.57/2.1 | 0.8/3.2 | 0.97/3.8 |
| **Indoor Fan — Type** | Constant Torque ECM | | | | | |
| Dia. x Width (in.) | 10.62 X 10.62 | 10.62 X 10.62 | 11.87 X 10.62 | 10.62 X 10.62 | 10.62 X 10.62 | 11.87 X 10.62 |
| Drive/No. Speeds | Direct/ 4 | Direct/ 4 | Direct/ 4 | Direct/ 4 | Direct/ 4 | Direct/ 4 |
| CFM @ 0.0 in. w.g.(f) | See Indoor Fan Performance Table | | | | | |
| Motor — HP/R.P.M. | 1/2 / 1050 | 3/4 / 1050 | 1 / 1050 | 1/2 / 1050 | 3/4 / 1050 | 1 / 1050 |
| Volts/Ph/Hz | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 | 208–230/1/60 |
| F.L. Amps | 3.9 | 6.0 | 7.4 | 3.9 | 6 | 7.4 |
| **Filter/ Furnished** | No | No | No | No | No | No |
| Type Recommended | Throwaway | Throwaway | Throwaway | Throwaway | Throwaway | Throwaway |
| Recmd. Face Area (sq. ft)(g) | 4.0 | 5.3 | 5.3 | 4.0 | 5.3 | 5.3 |
| **Refrigerant** | R-454B | R-454B | R-454B | R-454B | R-454B | R-454B |
| Charge (lbs.) | 7.42 | 7.00 | 9.96 | 7.42 | 7.00 | 9.96 |
| **Charging Specification** | | | | | | |
| Subcooling | 12° F | 12° F | 8° F | 12° F | 12° F | 8° F |
| **Dimensions** | H X W X L | | | | | |
| Crated (in.) | 48 X 45 X 52 | 50 X 47 X 62 | 52 X 47 X 62 | 48 X 45 X 52 | 50 X 47 X 62 | 52 X 47 X 62 |
| **Weight** | | | | | | |
| Shipping (lbs.) / Net (lbs.) | 443 / 368 | 529 / 425 | 590 / 486 | 456 / 381 | 541 / 437 | 602 / 498 |

(a) Rated in accordance with AHRI Standard 210/240.
(b) Rated in accordance with D.O.E. test procedure.
(c) Sound Power values are not adjusted for AHRI 270–95 tonal corrections.
(d) Calculated in accordance with currently prevailing Nat'l Electrical Code.
(e) Standard Air — Dry Coil — Outdoor.
(f) Standard Air — Dry Coil — Indoor.
(g) 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-in. W.C.

# Supplementary Electric Heaters

**Table 4. Supplementary electric heaters**

| Unit Model | Electric Heater Model | Rated Voltage | 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/<br>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/<br>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/<br>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&030-060‡1<br>A5PA&030-060‡1<br>A5PH&030-060‡1 | BAYHTRG115 | 208/240 | 1 | 54/63 | 11.27/<br>15.0 | 38500/<br>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/<br>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/<br>25.0 | 64100/<br>85300 | 2 | 11.26/<br>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/<br>12 | 3.76/<br>5.0 | 12800/<br>17100 | 1 | 3.76/5.0 | — | 13/<br>15 | 15/15 | 15/15 |
| &W/TCY4036-060‡3<br>&WCZ&036-060‡3 | BAYHTRV308 | 208/240 | 3 | 17/<br>19 | 6.0/<br>8.0 | 20500/<br>27300 | 1 | 6.0/<br>8.0 | — | 21/<br>24 | 25/25 | 25/25 |
| &W/TCY4036-060‡3<br>&WCZ&036-060‡3 | BAYHTRV310 | 208/240 | 3 | 21/<br>24 | 7.5/<br>10.0 | 25600/<br>34100 | 1 | 7.5/10.0 | — | 26/<br>30 | 30/30 | 30/30 |
| &W/TCY4036-060‡3<br>&WCZ&036-060‡3 | BAYHTRV315 | 208/240 | 3 | 31/<br>36 | 11.27/<br>15.0 | 38500/<br>51200 | 2 | 7.5/10.0 | 3.76/<br>5.0 | 39/<br>45 | 40/45 | 40/45 |
| &W/TCY4048-060‡3<br>&WCZ&048-060‡3 | BAYHTRV320 | 208/240 | 3 | 42/<br>48 | 15.0/<br>20.0 | 51200/<br>68300 | 2 | 7.5/10.0 | 7.5/<br>10.0 | 52/<br>60 | 60/60 | 60/60 |
| &W/TCY4048-060‡3<br>&WCZ&048-060‡3 | BAYHTRV325# | 208/240 | 3 | 52/<br>60 | 18.78/<br>25.0 | 64100/<br>85300 | 2 | 11.26/<br>15.0 | 7.5/<br>10.0 | 65/<br>75 | 70/80 | 70/80 |

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

| Unit Model | Electric Heater Model | Rated Voltage | 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 | | | |
| &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 |

**Notes:**

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

[a] The HACR circuit breaker is for U.S.A. installations only.

[b] For Canada installation reference only.

# Indoor Fan Performance (230v)

**Table 5. Airflow — model 5WCC4024A**

| 5WCC4024A | | External Static Pressure (in.WG) Horizontal Airflow [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 | 63 [63] | 70 [71] | 77 [77] | — | — | — | — | — | — | — | — |
| | CFM | 899 [890] | 820 [811] | 755 [747] | — | — | — | — | — | — | — | — |
| MED—LOW [(a)] | Watts | — | 83 [84] | 91 [91] | 97 [98] | — | — | — | — | — | — | — |
| | CFM | — | 886 [877] | 818 [810] | 756 [749] | — | — | — | — | — | — | — |
| MED—HIGH | Watts | — | — | — | 127 [127] | 134 [135] | 142 [143] | — | — | — | — | — |
| | CFM | — | — | — | 886 [877] | 820 [812] | 748 [741] | — | — | — | — | — |
| HIGH | Watts | — | — | — | — | — | 195 [195] | 204 [204] | 214 [214] | — | — | — |
| | CFM | — | — | — | — | — | 867 [858] | 798 [790] | 741 [734] | — | — | — |

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

[(a)] Factory Default Settings.

**Table 6. Airflow — model 5WCC4030A**

| 5WCC4030A | | External Static Pressure (in.WG) Horizontal Airflow [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 | 119 [120] | 128 [128] | 136 [137] | 145 [145] | — | — | — | — | — | — | — |
| | CFM | 1065 [1054] | 1012 [1002] | 951 [942] | 894 [855] | — | — | — | — | — | — | — |
| MED—LOW [(a)] | Watts | — | 157 [158] | 167 [167] | 175 [176] | 186 [186] | 196 [197] | — | — | — | — | — |
| | CFM | — | 1102 [1091] | 1046 [1035] | 993 [983] | 938 [928] | 877 [868] | — | — | — | — | — |
| MED—HIGH | Watts | — | — | — | — | 240 [242] | 252 [253] | 263 [264] | 273 [274] | — | — | — |
| | CFM | — | — | — | — | 1085 [1074] | 1032 [1022] | 978 [969] | 934 [925] | — | — | — |
| HIGH | Watts | — | — | — | — | — | 308 [308] | 319 [319] | 329 [329] | 340 [340] | 350 [350] | — |
| | CFM | — | — | — | — | — | 1116 [1105] | 1069 [1058] | 1031 [1021] | 968 [958] | 926 [917] | — |

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

[(a)] Factory Default Settings.

**Table 7. Airflow — model 5WCC4036A**

| 5WCC4036A | | External Static Pressure (in.WG) Horizontal Airflow [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 | 145 [146] | 152 [153] | 159 [159] | — | — | — | — | — | — | — | — |
| | CFM | 1145 [1133] | 1098 [1087] | 1047 [1037] | — | — | — | — | — | — | — | — |
| MED—LOW [(a)] | Watts | 195 [196] | 202 [203] | 210 [211] | 218 [220] | 227 [228] | — | — | — | — | — | — |
| | CFM | 1268 [1255] | 1226 [1213] | 1177 [1166] | 1125 [1114] | 1072 [1062] | — | — | — | — | — | — |

## Indoor Fan Performance (230v)

### Table 7. Airflow — model 5WCC4036A (continued)

| 5WCC4036A | | External Static Pressure (in.WG) Horizontal Airflow [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** |
| MED—HIGH | Watts | — | — | 326 [326] | 339 [339] | 350 [350] | 360 [360] | 369 [369] | 381 [381] | 392 [392] | 401 [401] | — |
| | CFM | — | — | 1347 [1334] | 1304 [1291] | 1266 [1253] | 1225 [1213] | 1176 [1164] | 1133 [1122] | 1093 [1082] | 1059 [1048] | — |
| HIGH | Watts | — | — | — | — | 342 [343] | 351 [353] | 361 [363] | 372 [373] | — | — | — |
| | CFM | — | — | — | — | 1308 [1295] | 1261 [1248] | 1216 [1204] | 1172 [1160] | — | — | — |

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

(a) Factory Default Settings.

### Table 8. Airflow — model 5WCC4042A

| 5WCC4042A | | External Static Pressure (in.WG) Horizontal Airflow [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 | 257 [262] | 263 [268] | 272 [277] | 282 [288] | 292 [298] | — | — | — | — | — | — |
| | CFM | 1411 [1397] | 1355 [1342] | 1295 [1282] | 1239 [1226] | 1189 [1177] | — | — | — | — | — | — |
| MED—LOW (a) | Watts | — | 324 [330] | 335 [342] | 346 [353] | 358 [365] | 370 [377] | 382 [390] | 393 [401] | — | — | — |
| | CFM | — | 1572 [1556] | 1536 [1521] | 1499 [1484] | 1462 [1447] | 1429 [1415] | 1392 [1378] | 1355 [1341] | — | — | — |
| MED—HIGH | Watts | — | — | 386 [394] | 398 [406] | 410 [418] | 421 [429] | 431 [440] | 438 [447] | — | — | — |
| | CFM | — | — | 1581 [1565] | 1538 [1523] | 1497 [1482] | 1461 [1446] | 1424 [1409] | 1386 [1373] | — | — | — |
| HIGH | Watts | — | — | — | — | 540 [551] | 552 [563] | 565 [576] | 575 [586] | — | — | — |
| | CFM | — | — | — | — | 1576 [1560] | 1533 [1518] | 1496 [1481] | 1458 [1443] | — | — | — |

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

(a) Factory Default Settings.

### Table 9. Airflow — model 5WCC4048A

| 5WCC4048A | | External Static Pressure (in.WG) Horizontal Airflow [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 | 359 [367] | 371 [378] | 383 [390] | 404 [412] | 406 [414] | 418 [426] | 429 [438] | 440 [449] | — | — | — |
| | CFM | 1649 [1632] | 1616 [1600] | 1581 [1565] | 1516 [1501] | 1509 [1494] | 1475 [1460] | 1441 [1427] | 1408 [1394] | — | — | — |
| MED—LOW (a) | Watts | — | 475 [485] | 487 [497] | 499 [509] | 512 [522] | 524 [534] | 537 [548] | 549 [560] | 563 [574] | — | — |
| | CFM | — | 1803 [1785] | 1774 [1756] | 1742 [1725] | 1709 [1692] | 1678 [1661] | 1644 [1628] | 1612 [1596] | 1578 [1562] | — | — |
| MED—HIGH | Watts | — | — | 536 [547] | 559 [570] | 562 [573] | 575 [586] | 588 [600] | 600 [612] | 612 [625] | — | — |
| | CFM | — | — | 1789 [1771] | 1731 [1713] | 1724 [1707] | 1693 [1676] | 1661 [1645] | 1630 [1614] | 1600 [1584] | — | — |
| HIGH | Watts | — | — | — | — | 601 [613] | 613 [625] | 631 [644] | 643 [656] | 647 [660] | — | — |
| | CFM | — | — | — | — | 1806 [1788] | 1769 [1751] | 1728 [1711] | 1688 [1671] | 1652 [1635] | — | — |

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

(a) Factory Default Settings.

**Table 10. Airflow — model 5WCC4060A**

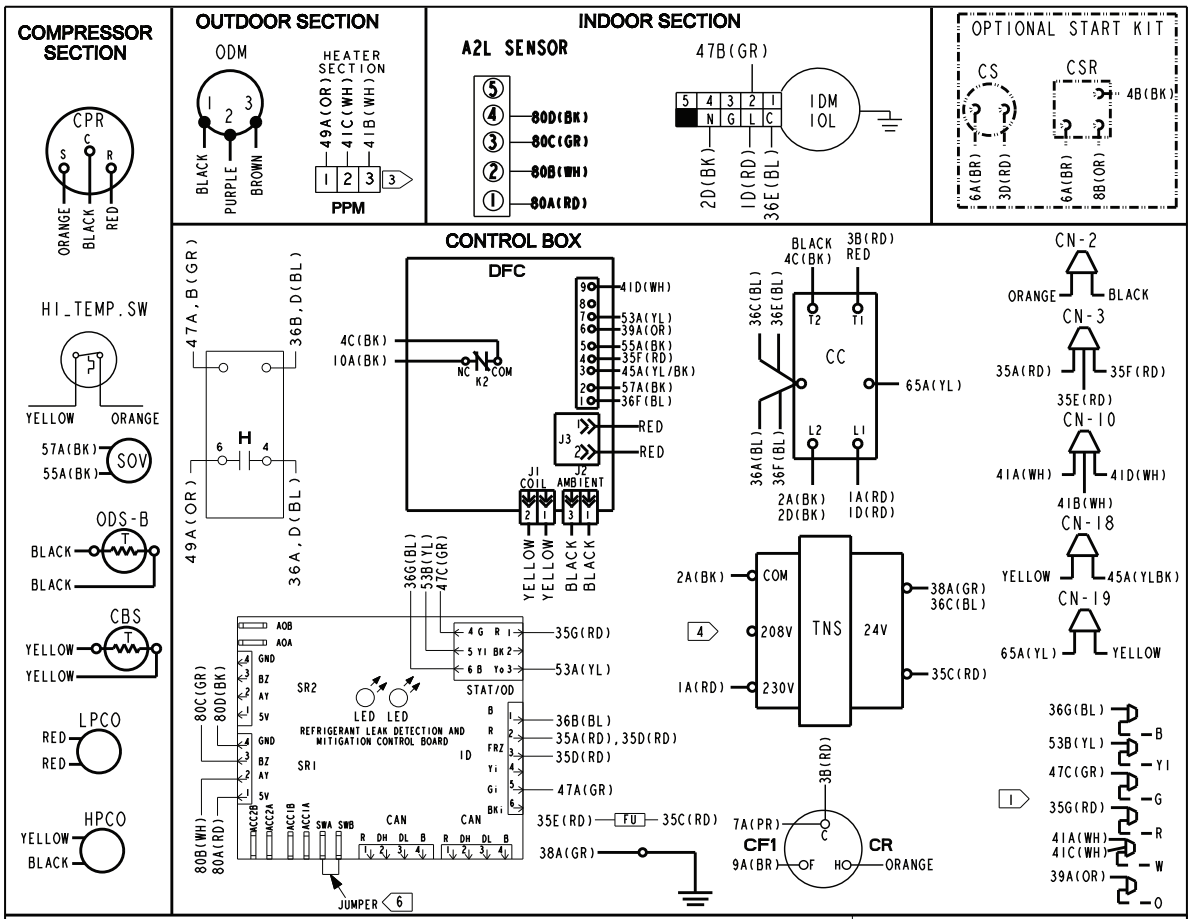
| 5WCC4060A | | External Static Pressure (in.WG) Horizontal Airflow [Down Airflow] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Motor Speed** | | **0.0** | **0.1** | **0.2** | **0.3** | **0.4** | **0.5** | **0.6** | **0.7** | **0.8** | **0.9** | **1** |
| LOW | Watts | 515 [511] | 523 [521] | 533 [533] | 544 [546] | 554 [558] | — | — | — | — | — | — |
| | CFM | 1857 [1875] | 1831 [1841] | 1800 [1805] | 1766 [1766] | 1737 [1730] | — | — | — | — | — | — |
| MED—LOW [(a)] | Watts | — | 632 [631] | 644 [643] | 655 [654] | 666 [665] | 677 [676] | 689 [687] | 699 [697] | 714 [712] | 728 [726] | 741 [739] |
| | CFM | — | 2059 [2070] | 2020 [2031] | 1990 [2001] | 1960 [1971] | 1928 [1939] | 1895 [1905] | 1871 [1881] | 1828 [1838] | 1786 [1796] | 1748 [1758] |
| MED—HIGH | Watts | — | 759 [758] | 769 [771] | 779 [786] | 788 [801] | 803 [815] | 816 [829] | 830 [839] | 845 [849] | 860 [858] | 874 [872] |
| | CFM | — | 2058 [2063] | 2032 [2034] | 2003 [1999] | 1974 [1965] | 1943 [1931] | 1911 [1894] | 1877 [1869] | 1843 [1846] | 1807 [1795] | 1771 [1759] |
| HIGH | Watts | — | 910 [908] | 921 [919] | 932 [930] | 941 [942] | 956 [960] | 969 [971] | 983 [988] | 997 [997] | 1010 [1001] | 1021 [1018] |
| | CFM | — | 2177 [2184] | 2152 [2150] | 2127 [2104] | 2105 [2073] | 2071 [2027] | 2041 [1998] | 2009 [1961] | 1975 [1937] | 1940 [1905] | 1903 [1890] |

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

[(a)] Factory Default Settings.

# Wiring Diagrams

**Figure 1. 5WCC4024A1–42A1**

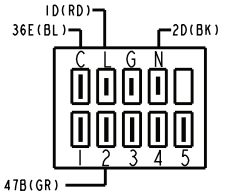



NOTES:

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

| 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 |

24 VOLT TRANSFORMER FUSE REPLACEMENT
FU 300 VOLT TYPE GMO-3.2 AMP




IDM CONNECTION

C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL
1 = LOW TAP
2 = MED-LOW TAP
3 = MED-HIGH TAP
4 = HIGH TAP
5 = NOT USED

| REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR | |
|---|---|
| OFF | NO POWER/OFF |
| ON | STARTUP |
| SLOW FLASH | NORMAL OPERATION |
| 2 FLASH | ACTIVE ALARM - SENSOR COMMUNICATION ERROR |
| 3 FLASH | ACTIVE ALARM - REFRIGERANT LEAK OR SENSOR FAILURE |
| 4 FLASH | PAST REFRIGERANT DETECTED ALARM |
| 5,6 OR 7 FLASH | PAST SENSOR COMMUNICATION OR SENSOR ERROR |

| LEGEND | | |
|---|---|---|
| DEVICE DESIG | DESCRIPTION | LINE NUMBER |
| A2L_SR | A2L SENSOR | 30 |
| AH,BH | CONTACTOR, ELECTRIC HEATER | 32 |
| CBS | COIL BOTTOM SENSOR | 25 |
| CC | CONTACTOR | 11,30 |
| CF1 | OUTDOOR FAN CAPACITOR | 10 |
| CPR | COMPRESSOR | 11 |
| CR | COMPRESSOR RUN CAPACITOR | 10 |
| DFC | DEFROST BOARD | 14,22 |
| FU | FUSE | 25 |
| H | HEATER RELAY | 35,36 |
| HI_TEMP_SW | HIGH TEMPERATURE SWITCH | 30 |
| HPCO | HIGH-PRESSURE CUTOFF | 30 |
| IDM | INDOOR MOTOR | 16,36 |
| LPCO | LOW-PRESSURE CUTOFF | 23 |
| ODM | OUTDOOR MOTOR | 14 |
| ODS-B | OUTDOOR AMBIENT SENSOR | 20 |
| PPM | HEATER PLUG | 32,33 |
| SOV | SWITCHOVER VALVE | 27 |
| TNS | TRANSFORMER, 208/230V - 24V | 17 |
| IOL | INTERNAL OVERLOAD | |
| CN | CONNECTOR AND WIRE NUT | |

**Figure 2. 5WCC4024A1–42A1**

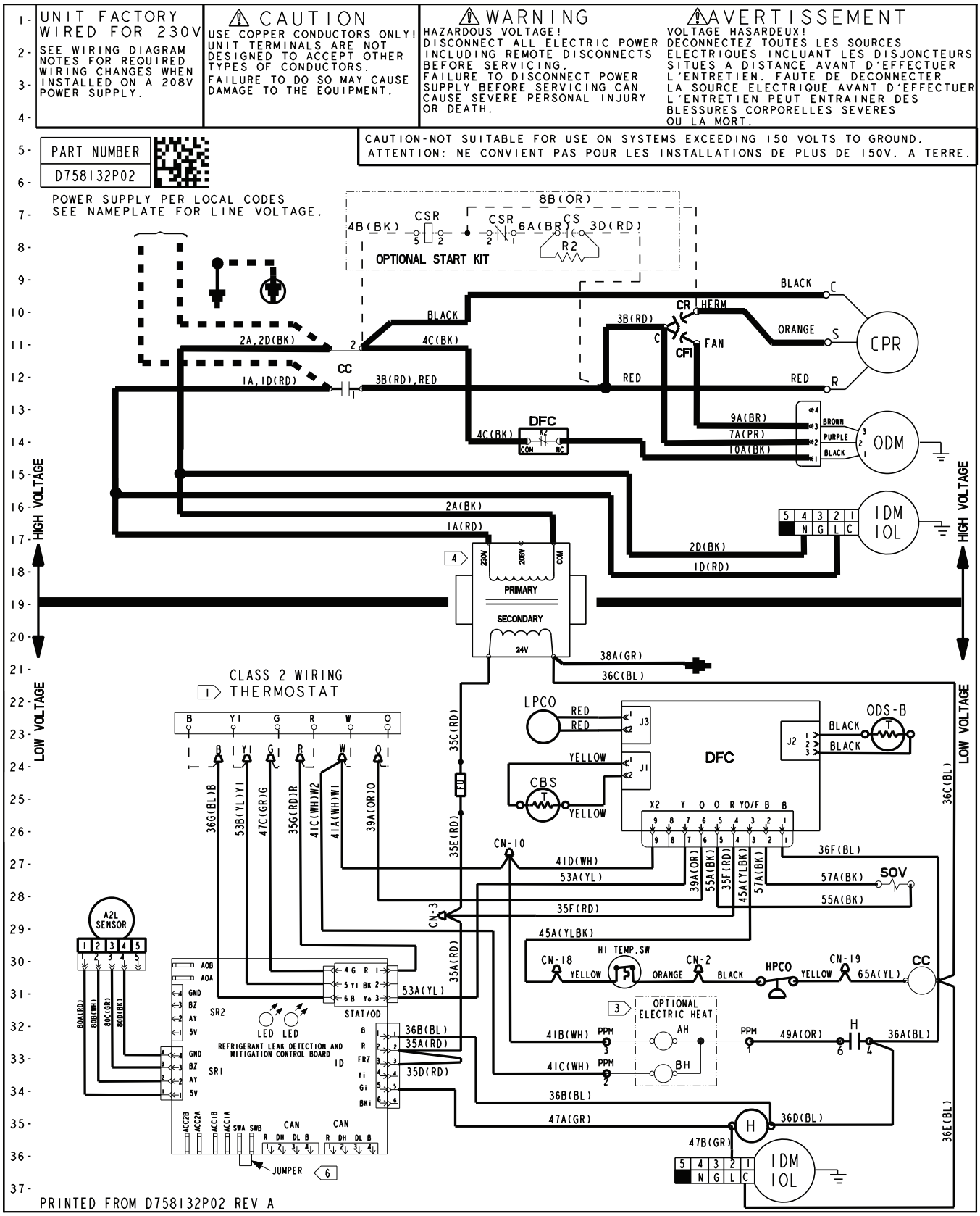
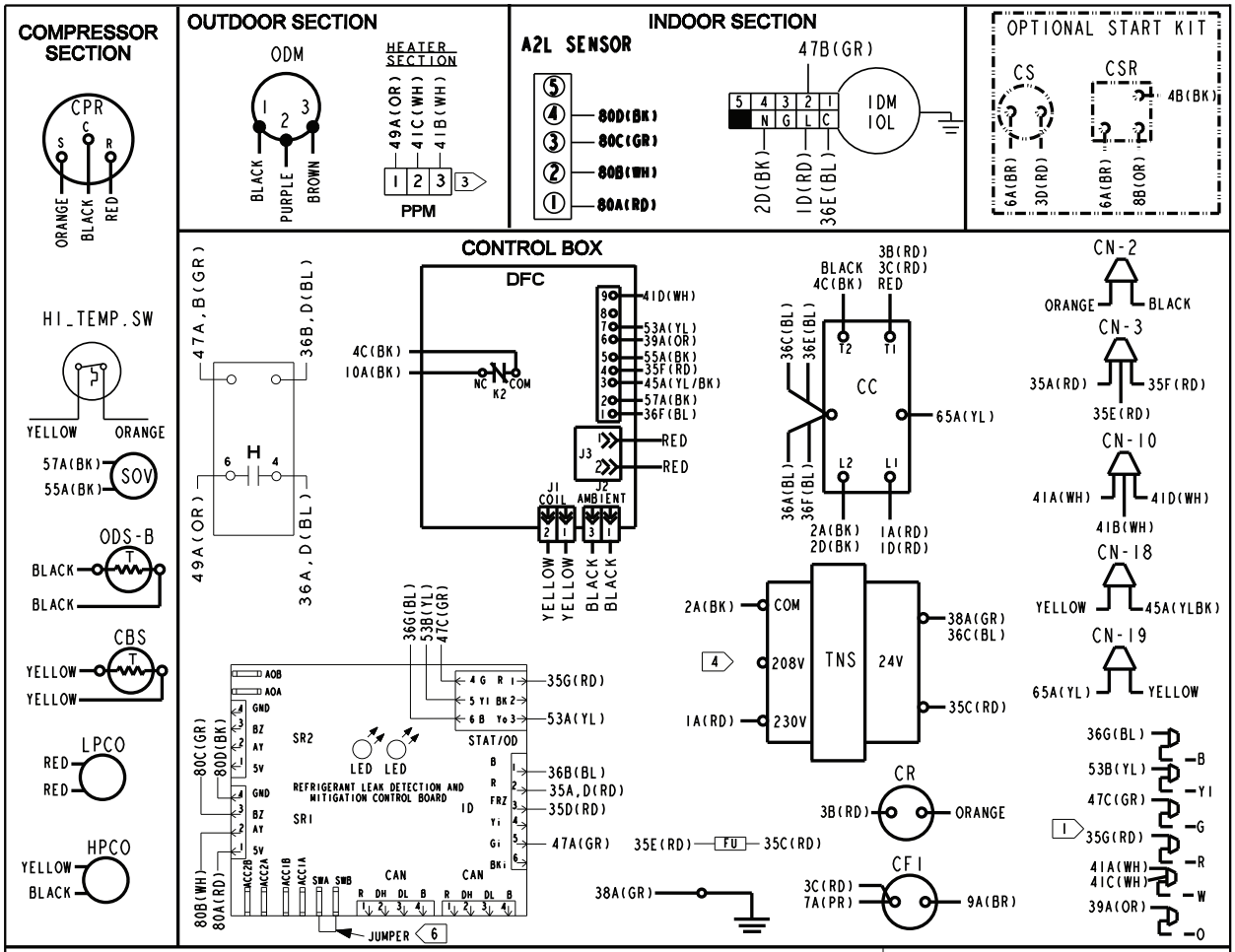


**Figure 3. 5WCC4048A1**

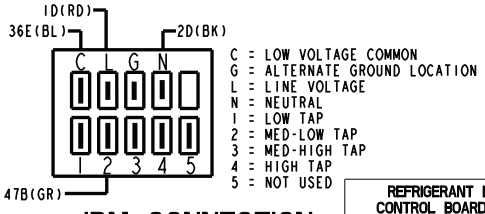



NOTES:

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

| 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 |

24 VOLT TRANSFORMER FUSE REPLACEMENT
FU 300 VOLT TYPE GMO-3.2 AMP




IDM CONNECTION

| REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR | |
|---|---|
| OFF | NO POWER/OFF |
| ON | STARTUP |
| SLOW FLASH | NORMAL OPERATION |
| 2 FLASH | ACTIVE ALARM - SENSOR COMMUNICATION ERROR |
| 3 FLASH | ACTIVE ALARM - REFRIGERANT LEAK OR SENSOR FAILURE |
| 4 FLASH | PAST REFRIGERANT DETECTED ALARM |
| 5,6 OR 7 FLASH | PAST SENSOR COMMUNICATION OR SENSOR ERROR |

| LEGEND | | |
|---|---|---|
| DEVICE DESIG | DESCRIPTION | LINE NUMBER |
| A2L_SR | A2L SENSOR | 29 |
| AH,BH | CONTACTOR, ELECTRIC HEATER | 33 |
| CBS | COIL BOTTOM SENSOR | 24 |
| CC | CONTACTOR | 10,30 |
| CFI | OUTDOOR FAN CAPACITOR | 13 |
| CPR | COMPRESSOR | 10 |
| CR | COMPRESSOR CAPACITOR | 10 |
| DFC | DEFROST BOARD | 14,22 |
| FU | FUSE | 25 |
| H | HEATER RELAY | 35,36 |
| HI_TEMP_SW | HIGH TEMPERATURE SWITCH | 31 |
| HPCO | HIGH-PRESSURE CUTOFF | 30 |
| IDM | INDOOR MOTOR | 16,36 |
| LPCO | LOW-PRESSURE CUTOFF | 23 |
| ODM | OUTDOOR MOTOR | 14 |
| ODS-B | OUTDOOR AMBIENT SENSOR | 20 |
| PPM | HEATER PLUG | 33,34 |
| SOV | SWITCHOVER VALVE | 27 |
| TNS | TRANSFORMER, 208/230V - 24V | 17 |
| IOL | INTERNAL OVERLOAD | |
| CN | CONNECTOR AND WIRE NUT | |

**Figure 4. 5WCC4048A1**

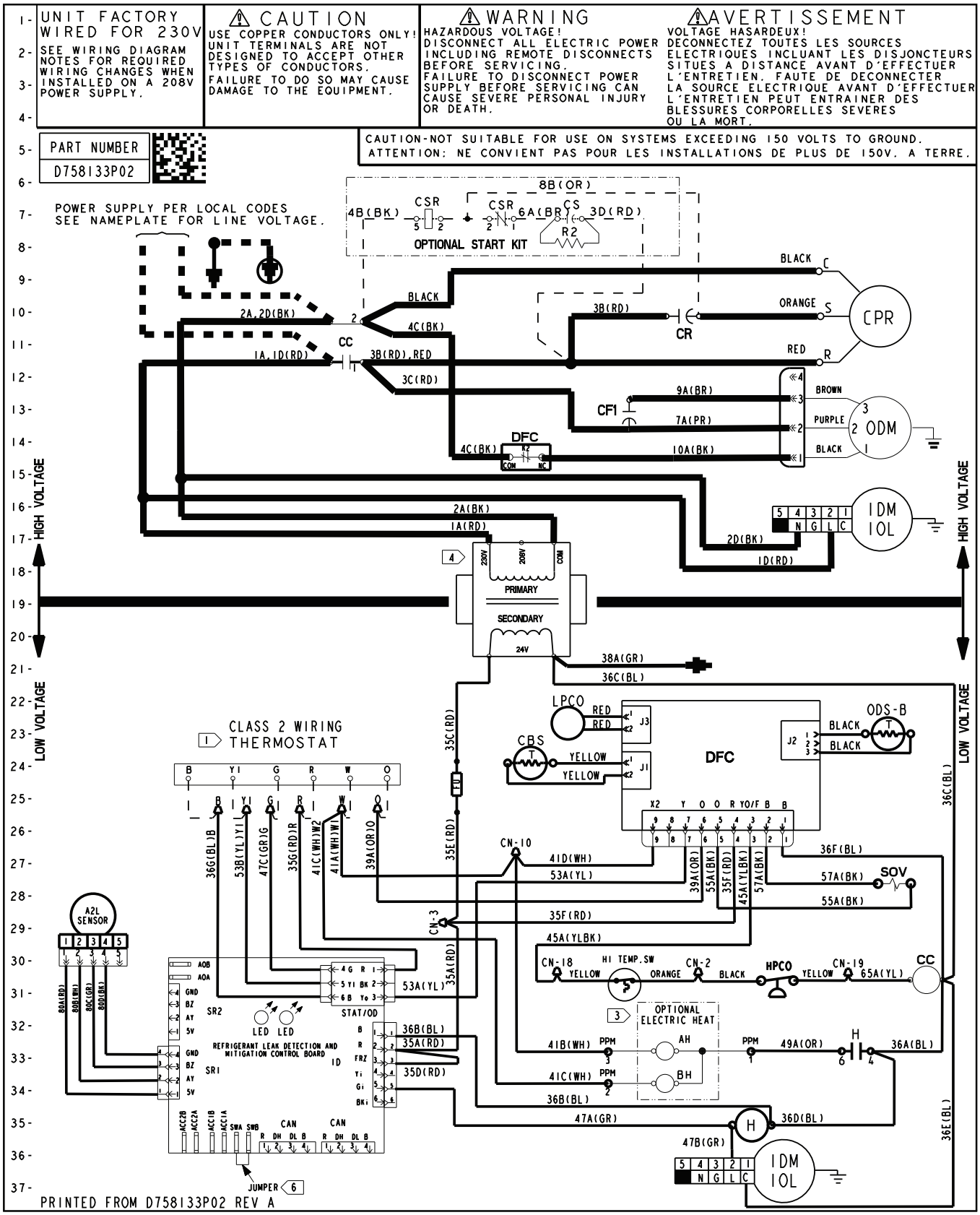
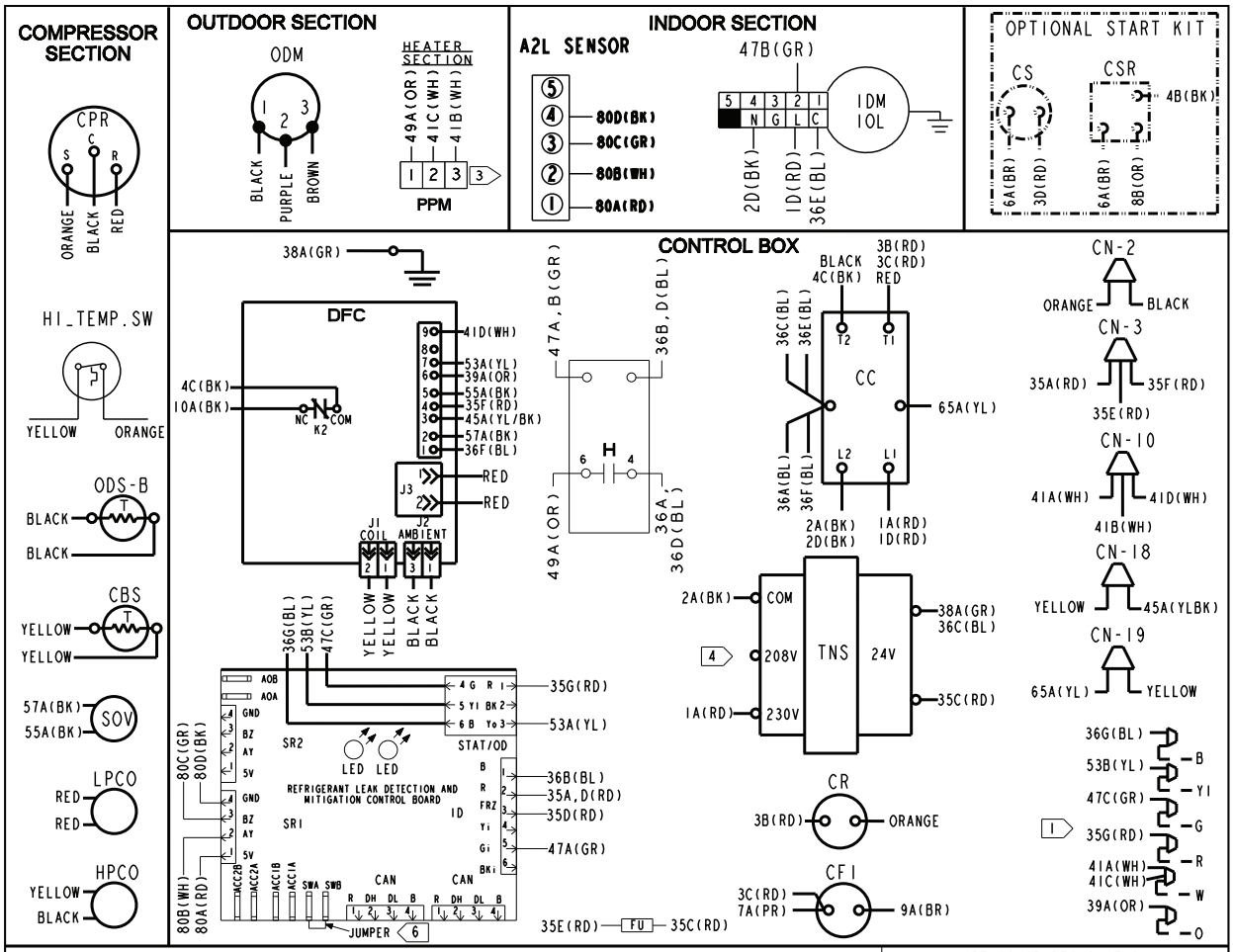


**Figure 5. 5WCC4060A1**

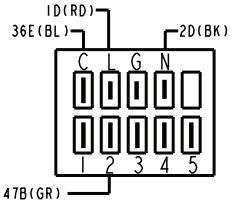



NOTES:

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

| 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 |

24 VOLT TRANSFORMER FUSE REPLACEMENT
FU 300 VOLT TYPE GMQ-3.2 AMP




IDM CONNECTION

C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL
1 = LOW TAP
2 = MED-LOW TAP
3 = MED-HIGH TAP
4 = HIGH TAP
5 = NOT USED

| REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR | |
|---|---|
| OFF | NO POWER/OFF |
| ON | STARTUP |
| SLOW FLASH | NORMAL OPERATION |
| 2 FLASH | ACTIVE ALARM - SENSOR COMMUNICATION ERROR |
| 3 FLASH | ACTIVE ALARM - REFRIGERANT LEAK OR SENSOR FAILURE |
| 4 FLASH | PAST REFRIGERANT DETECTED ALARM |
| 5,6 OR 7 FLASH | PAST SENSOR COMMUNICATION OR SENSOR ERROR |

| LEGEND | | |
|---|---|---|
| DEVICE DESIG | DESCRIPTION | LINE NUMBER |
| A2L_SR | A2L SENSOR | 30 |
| AH,BH | CONTACTOR, ELECTRIC HEATER | 33 |
| CBS | COIL BOTTOM SENSOR | 25 |
| CC | CONTACTOR | 10,30 |
| CFI | OUTDOOR FAN CAPACITOR | 13 |
| CPR | COMPRESSOR | 10 |
| CR | COMPRESSOR CAPACITOR | 10 |
| DFC | DEFROST BOARD | 14,22 |
| FU | FUSE | 24 |
| H | HEATER RELAY | 35,36 |
| HI_TEMP_SW | HIGH TEMPERATURE SWITCH | 31 |
| HPCO | HIGH-PRESSURE CUTOFF | 30 |
| IDM_ | INDOOR MOTOR | 16,36 |
| LPCO | LOW-PRESSURE CUTOFF | 23 |
| ODM | OUTDOOR MOTOR | 14 |
| ODS-B | OUTDOOR AMBIENT SENSOR | 20 |
| PPM | HEATER PLUG | 33,34 |
| SOV | SWITCHOVER VALVE | 27 |
| TNS | TRANSFORMER, 208/230V - 24V | 17 |
| IOL | INTERNAL OVERLOAD | |
| CN | CONNECTOR AND WIRE NUT | |

**Figure 6. 5WCC4060A1**

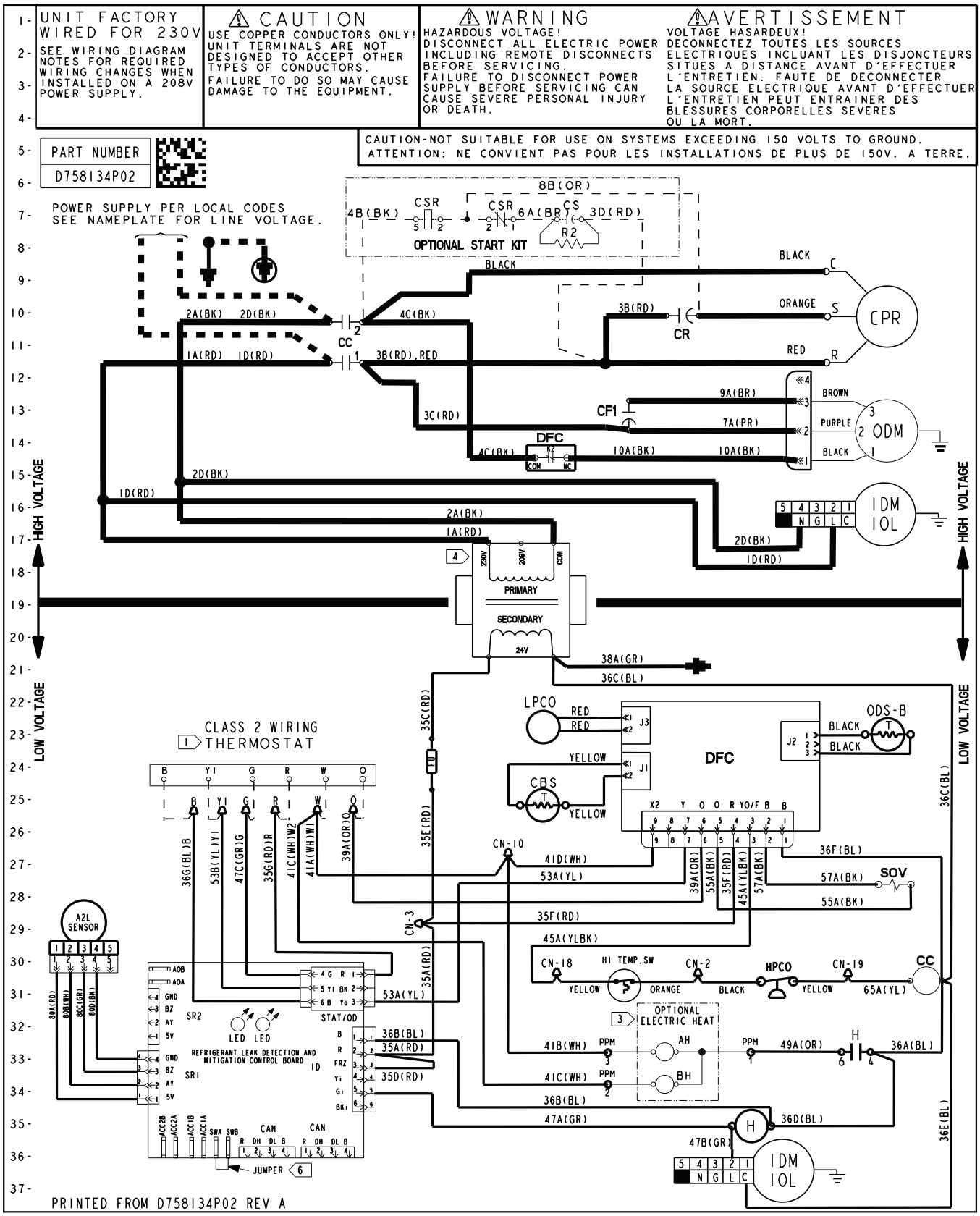
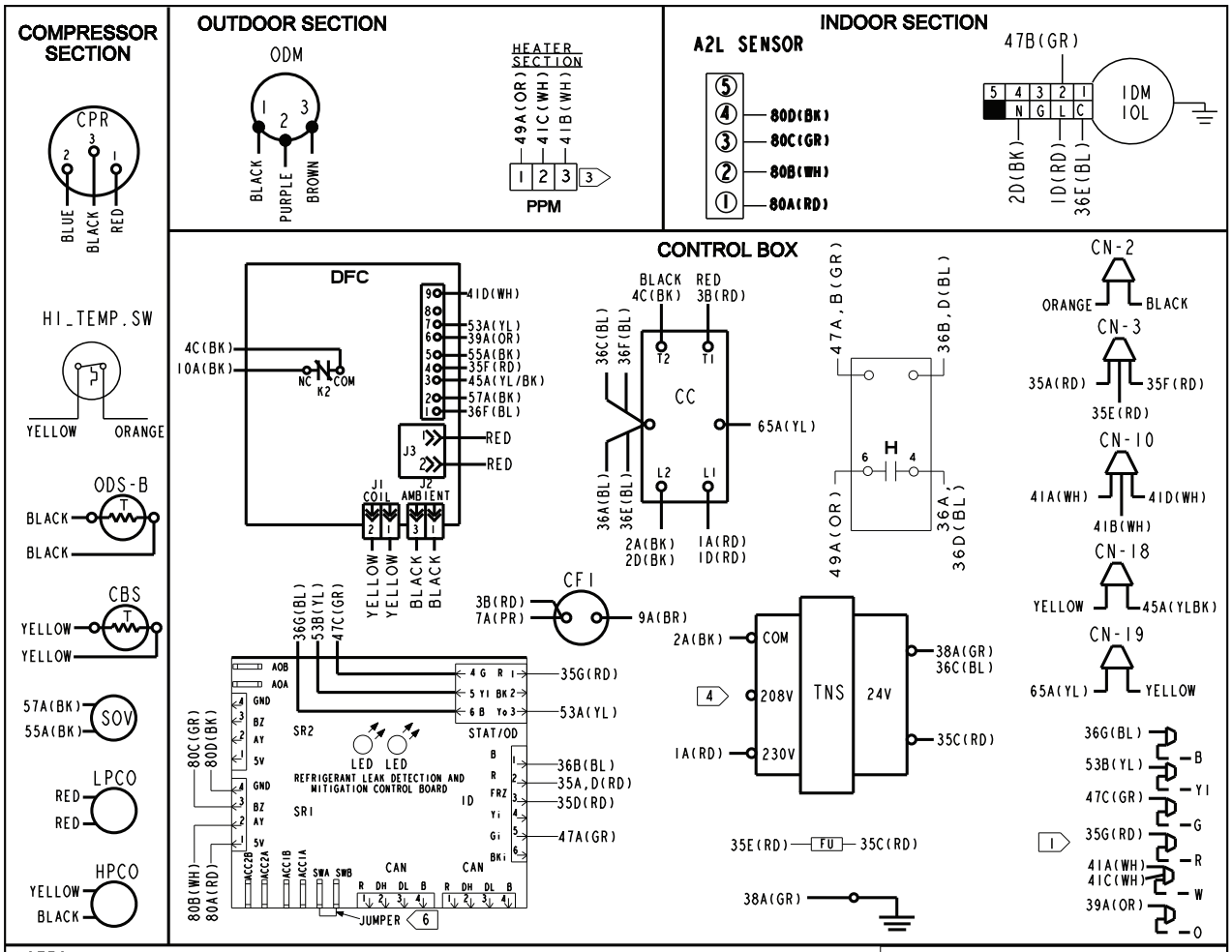


**Figure 7. 5WCC4036A3–60A3**

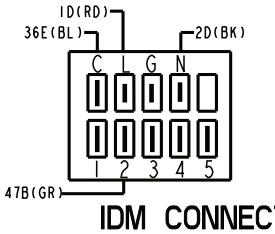



NOTES:

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

| 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 |

24 VOLT TRANSFORMER FUSE REPLACEMENT
FU 300 VOLT TYPE GMO-3.2 AMP




IDM CONNECTION

C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL
1 = LOW TAP
2 = MED-LOW TAP
3 = MED-HIGH TAP
4 = HIGH TAP
5 = NOT USED

| REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR | |
|---|---|
| OFF | NO POWER/OFF |
| ON | STARTUP |
| SLOW FLASH | NORMAL OPERATION |
| 2 FLASH | ACTIVE ALARM - SENSOR COMMUNICATION ERROR |
| 3 FLASH | ACTIVE ALARM - REFRIGERANT LEAK OR SENSOR FAILURE |
| 4 FLASH | PAST REFRIGERANT DETECTED ALARM |
| 5,6 OR 7 FLASH | PAST SENSOR COMMUNICATION OR SENSOR ERROR |

NOTE: THREE PHASE MOTOR(S) FACTORY SUPPLIED IN THIS EQUIPMENT, PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

| LEGEND | | |
|---|---|---|
| DEVICE DESIG | DESCRIPTION | LINE NUMBER |
| A2L_SR | A2L SENSOR | 30 |
| AH,BH | CONTACTOR, ELECTRIC HEATER | 33 |
| CBS | COIL BOTTOM SENSOR | 25 |
| CC | CONTACTOR | 10,30 |
| CFI | OUTDOOR FAN CAPACITOR | 13 |
| CPR | COMPRESSOR | 10 |
| DFC | DEFROST BOARD | 14,22 |
| FU | FUSE | 25 |
| H | HEATER RELAY | 33,35 |
| HI_TEMP_SW | HIGH TEMPERATURE SWITCH | 31 |
| HPCO | HIGH-PRESSURE CUTOFF | 30 |
| IDM | INDOOR MOTOR | 17,36 |
| LPCO | LOW-PRESSURE CUTOFF | 23 |
| ODM | OUTDOOR MOTOR | 14 |
| ODS-B | OUTDOOR AMBIENT SENSOR | 20 |
| PPM | HEATER PLUG | 33,34 |
| SOV | SWITCHOVER VALVE | 27 |
| TNS | TRANSFORMER, 208/230V - 24V | 17 |
| IOL | INTERNAL OVERLOAD | |
| CN | CONNECTOR AND WIRE NUT | |

**Figure 8. 5WCC4036A3–60A3**

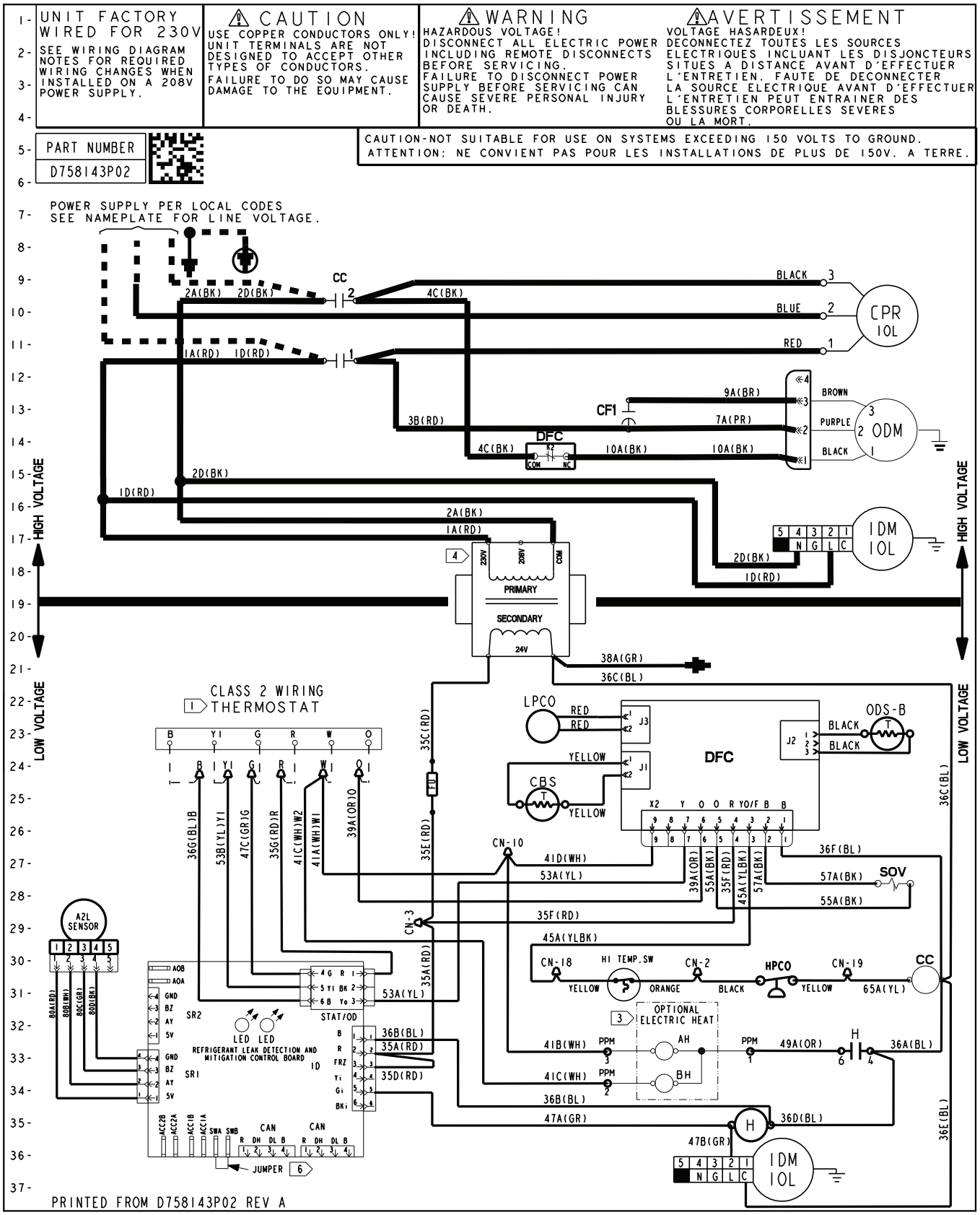
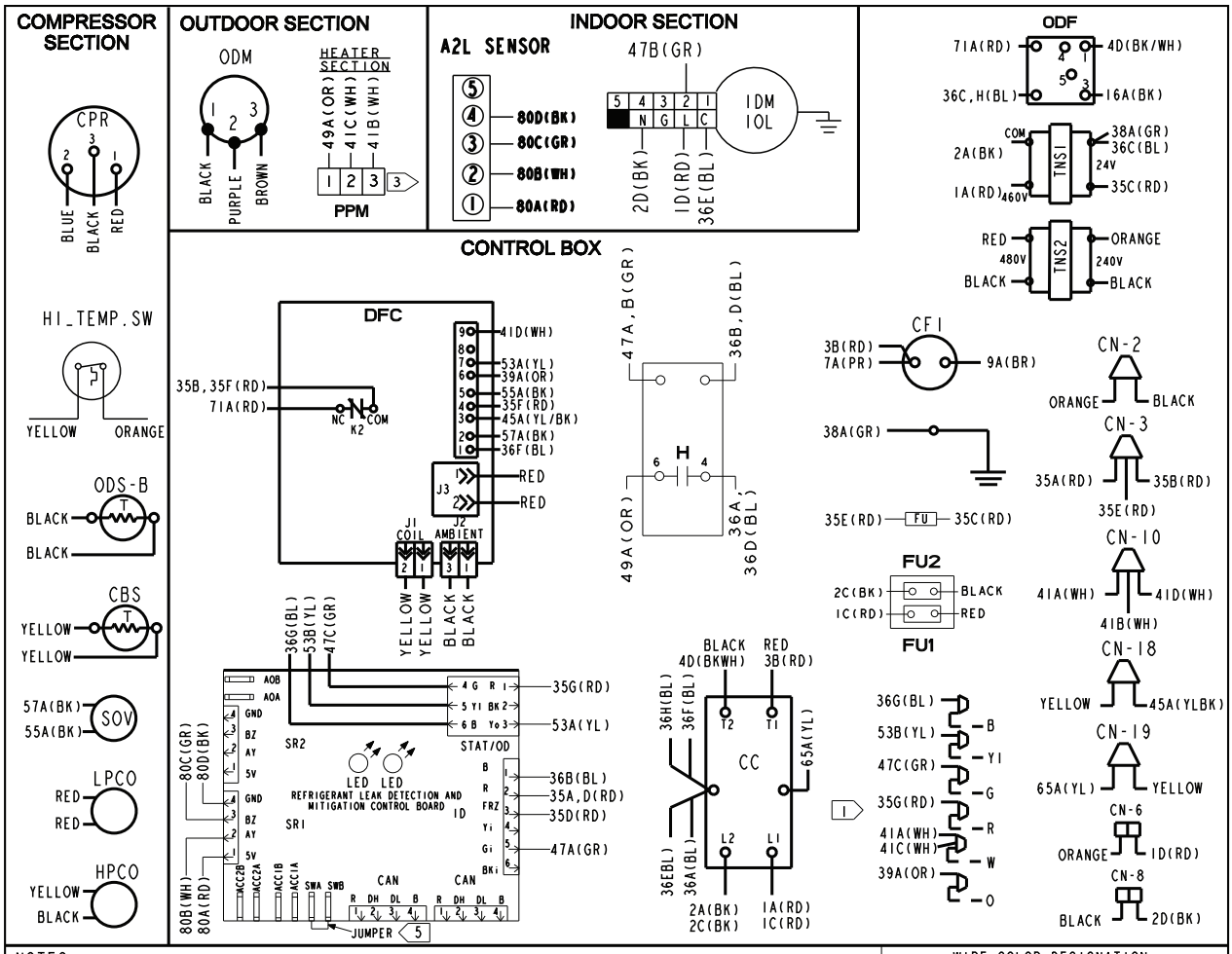


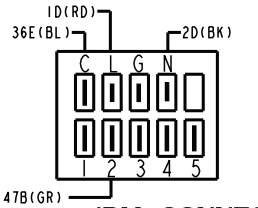
**Figure 9. 5WCC4036A4–60A4**




NOTES:

1. 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.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
3. SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
4. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
5. DO NOT REMOVE JUMPER UNLESS CONFIGURING AN EXTERNAL SWITCH.

ICM TRANSFORMER REPLACEMENT FUSE:
FU1,FU2 500 VOLT TYPE FNQ-3AMP FOR 5WCC4036;6AMP FOR 5WCC4048 & 5WCC4060
24VOLT TRANSFORMER REPLACEMENT FUSE:FU 300 VOLT TYPE GMQ-3.2 AMP




IDM CONNECTION

C = LOW VOLTAGE COMMON
G = ALTERNATE GROUND LOCATION
L = LINE VOLTAGE
N = NEUTRAL
1 = LOW TAP
2 = MED-LOW TAP
3 = MED-HIGH TAP
4 = HIGH TAP
5 = NOT USED

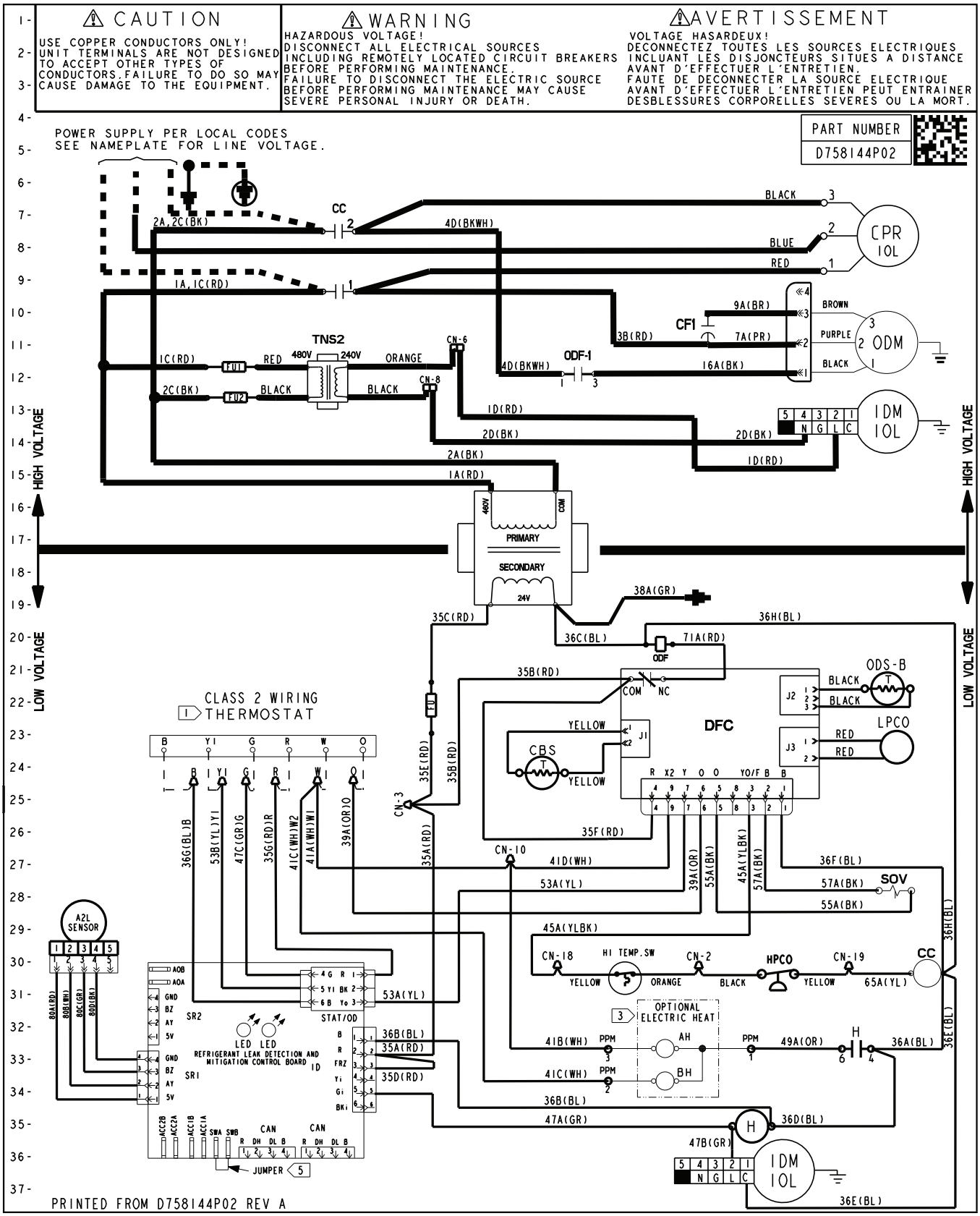
NOTE: THREE PHASE MOTOR(S) FACTORY SUPPLIED IN THIS EQUIPMENT, PROTECTED UNDER PRIMARY SINGLE-PHASE CONDITIONS.

| REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD GREEN LED DIAGNOSTIC INDICATOR | |
|---|---|
| OFF | NO POWER/OFF |
| ON | STARTUP |
| SLOW FLASH | NORMAL OPERATION |
| 2 FLASH | ACTIVE ALARM - SENSOR COMMUNICATION ERROR |
| 3 FLASH | ACTIVE ALARM - REFRIGERANT LEAK OR SENSOR FAILURE |
| 4 FLASH | PAST REFRIGERANT DETECTED ALARM |
| 5,6 OR 7 FLASH | PAST SENSOR COMMUNICATION OR SENSOR ERROR |

| 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 | 30 |
| AH,BH | CONTACTOR, ELECTRIC HEATER | 33 |
| CBS | COIL BOTTOM SENSOR | 24 |
| CC | CONTACTOR | 8,30 |
| CFI | OUTDOOR FAN CAPACITOR | 11 |
| CPR | COMPRESSOR | 8 |
| DFC | DEFROST BOARD | 21 |
| FU | FUSE | 22 |
| FUSE1 | FUSE,AUTO TRANSFORMER | 12 |
| FUSE2 | FUSE,AUTO TRANSFORMER | 13 |
| H | HEATER RELAY | 33,35 |
| HI_TEMP_SW | HIGH TEMPERATURE SWITCH | 30 |
| HPCO | HIGH-PRESSURE CUTOFF | 30 |
| IDM | INDOOR MOTOR | 13,36 |
| LPCO | LOW-PRESSURE CUTOFF | 23 |
| ODF | RELAY | 20 |
| ODF-1 | RELAY | 12 |
| ODM | OUTDOOR MOTOR | 11 |
| ODS-B | OUTDOOR AMBIENT SENSOR | 18 |
| PPM | HEATER PLUG | 33,34 |
| SOV | SWITCHOVER VALVE | 28 |
| TNS | TRANSFORMER, 208/230V - 24V | 15 |
| TNS2 | 460V/230V AUTO TRANSFOMER | 11 |
| IOL | INTERNAL OVERLOAD | |
| CN | CONNECTOR AND WIRE NUT | |

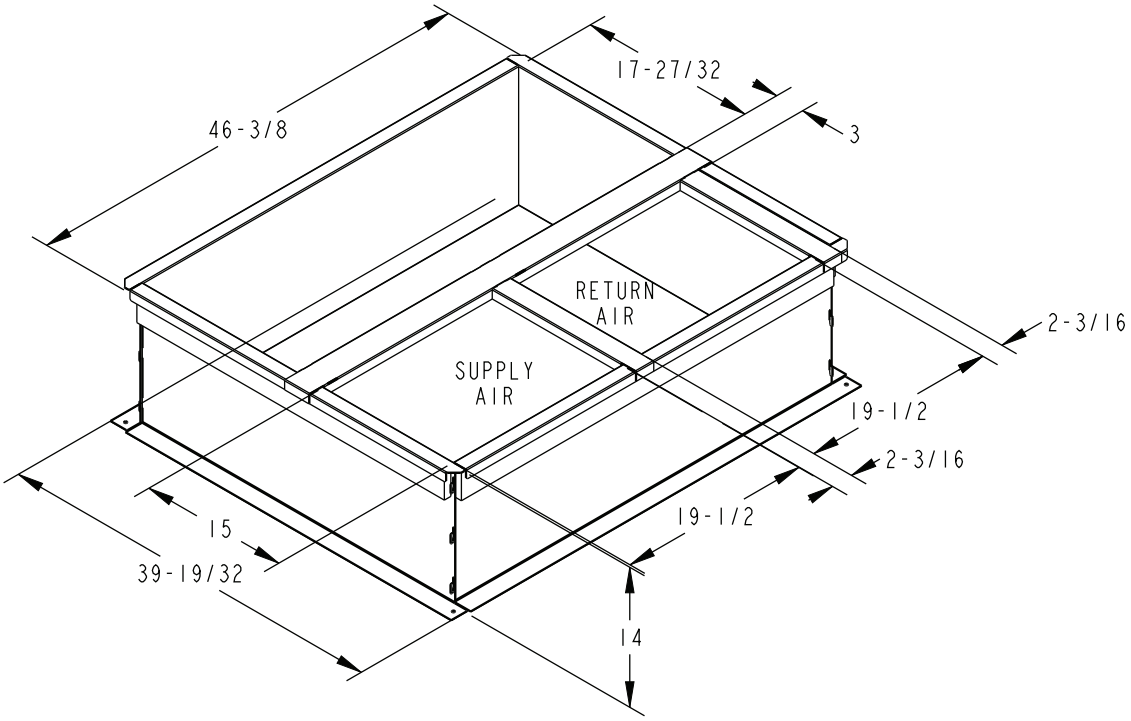
**Figure 10. 5WCC4036A4–60A4**

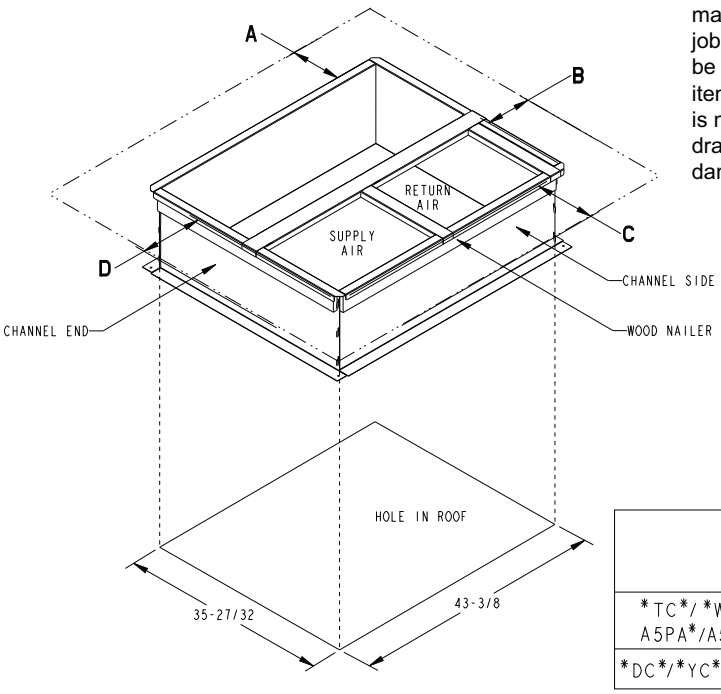


# Full Perimeter Roof Mounting Curb

**Figure 11. 2.0 to 3.0 ton models**

## BAYCURB050B Full Perimeter Roof Mounting Curb




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.

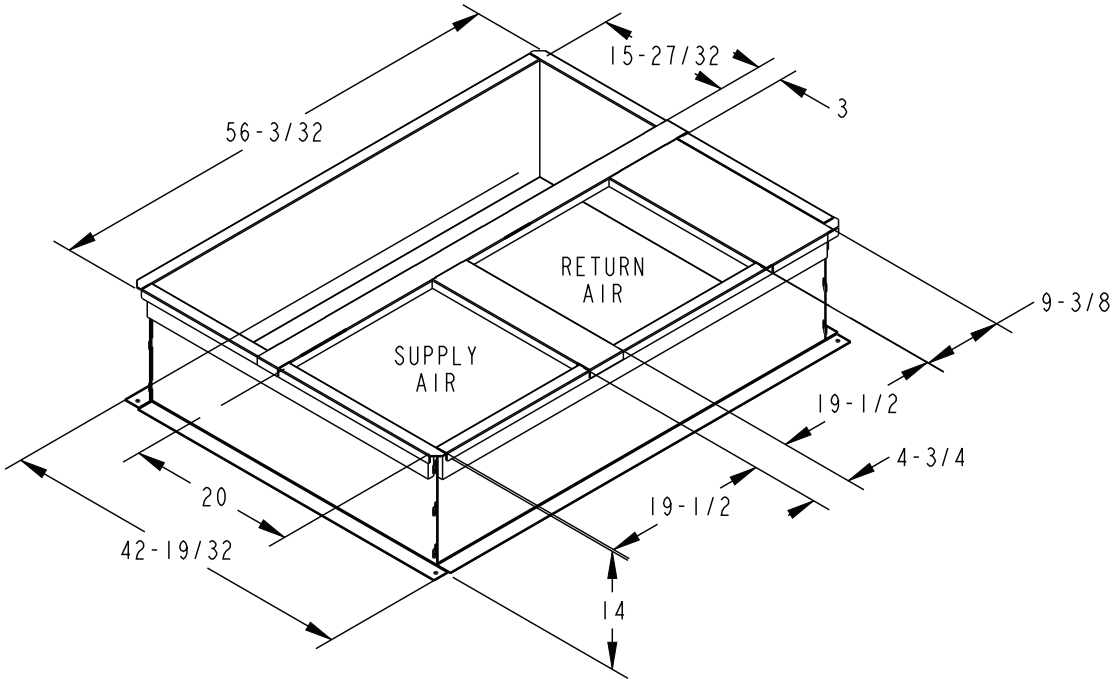
All dimensions are in inches

| | SERVICE CLEARANCE DIMENSIONS | | | |
|---|---|---|---|---|
| | A | B | C | D |
| *TC*/*WC*/ A5PA*/A5PH* | 42.00 | 36.00 | 12.00** | 24.00 |
| *DC*/*YC*/A5PG* | 42.00 | 36.00 | 12.00** | 36.00 |

**42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

**Figure 12. 3.5 to 5.0 ton models**

## BAYCURB051B Full Perimeter Roof Mounting Curb

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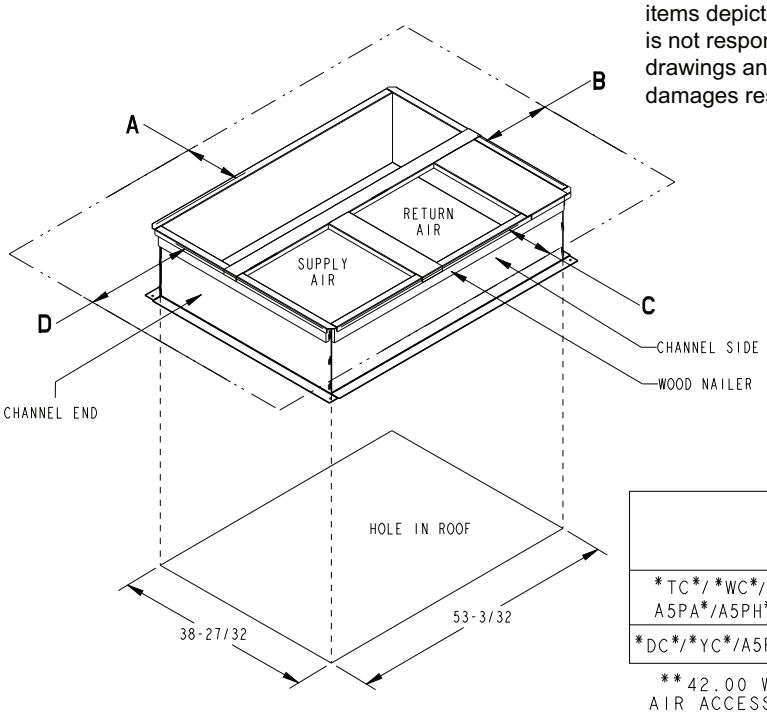


All dimensions are in inches

| | SERVICE CLEARANCE DIMENSIONS | | | |
|---|---|---|---|---|
| | A | B | C | D |
| *TC*/*WC*/ A5PA*/A5PH* | 42.00 | 36.00 | 12.00** | 24.00 |
| *DC*/*YC*/A5PG* | 42.00 | 36.00 | 12.00** | 36.00 |

**42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

# Optional Equipment — Economizer

**Figure 13. BAYECON105,106A down discharge economizer and rain hood (Mounts over horizontal return air opening)**

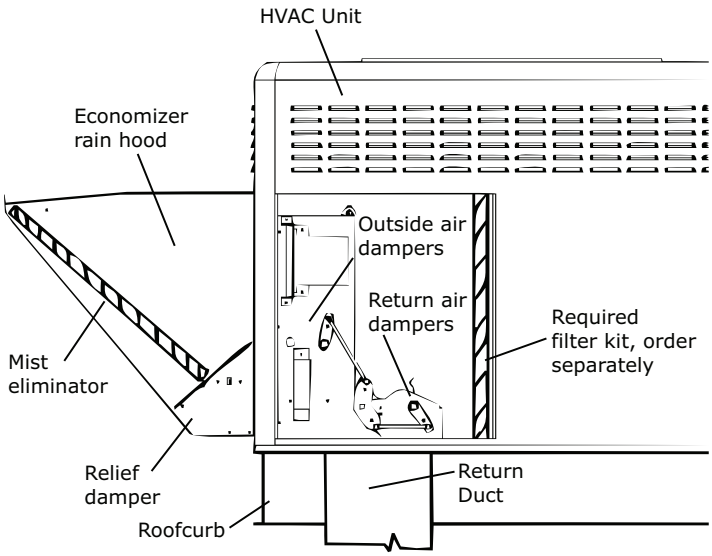


**Table 11. Economizer application models**

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

**Figure 14. BAYCON205, 206A horizontal economizer and rain hood**

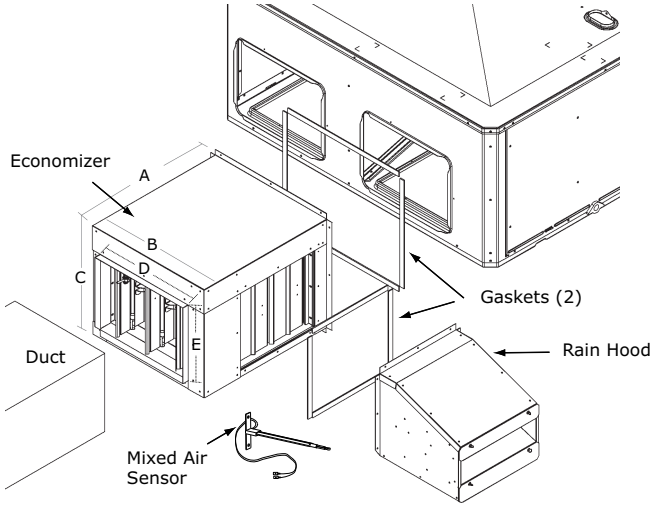


**Table 12. Economizer dimension (in inches)**

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

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# Optional Equipment — Outside Air Damper

**Figure 15. BAYOSAH001 and BAYOSAH002A outside air damper (Replaces filter/coil access panel)**

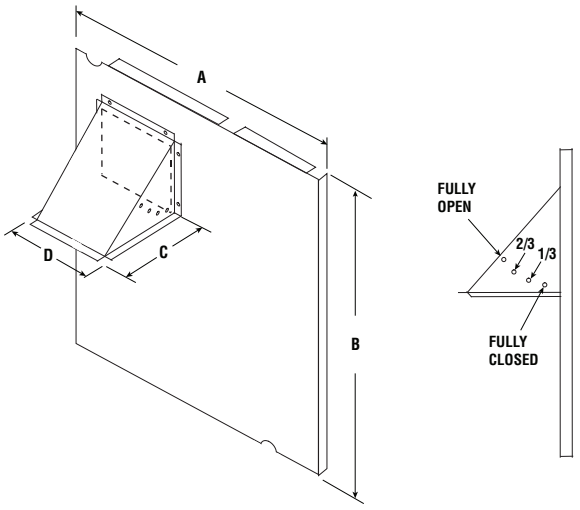


**Table 13. Outside air damper dimensions (in inches)**

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

**Figure 16. BAYDMPR101 and BAYDMPR102A, 25% motorized outside air damper (Mounts over horizontal return air opening)**

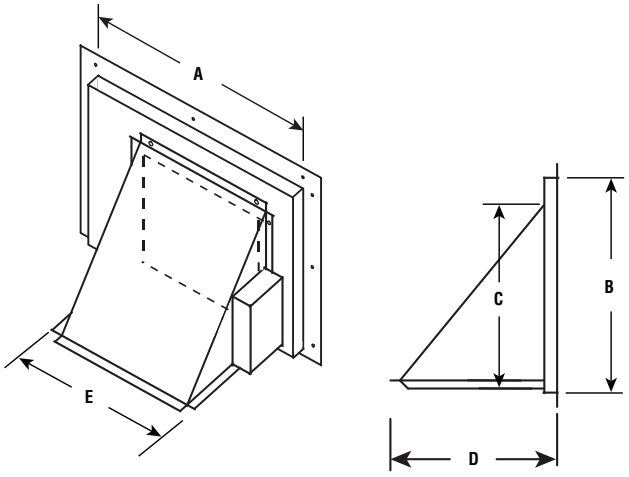


**Table 14. Outside air damper dimensions (in inches)**

| Manual Fresh Air Model | Unit Application Models | A | B | C | D | E |
|---|---|---|---|---|---|---|
| BAYDMPR101A | 2.0 to 3.0 Ton | 15–13/16 | 11–13/16 | 10–1/4 | 11–1/2 | 12–1/4 |
| BAYDMPR102A | 3.5 to 5.0 Ton | 18–3/16 | 15–1/8 | 10–1/4 | 11–1/2 | 12–1/4 |

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# Optional Equipment — Filter Rack

**Figure 17. BAYFLTR101 filter rack (2.0 to 3.0 ton models)/ BAYFLTR201 (3.5 to 5.0 ton models) (Mounts in filter/coil section)**

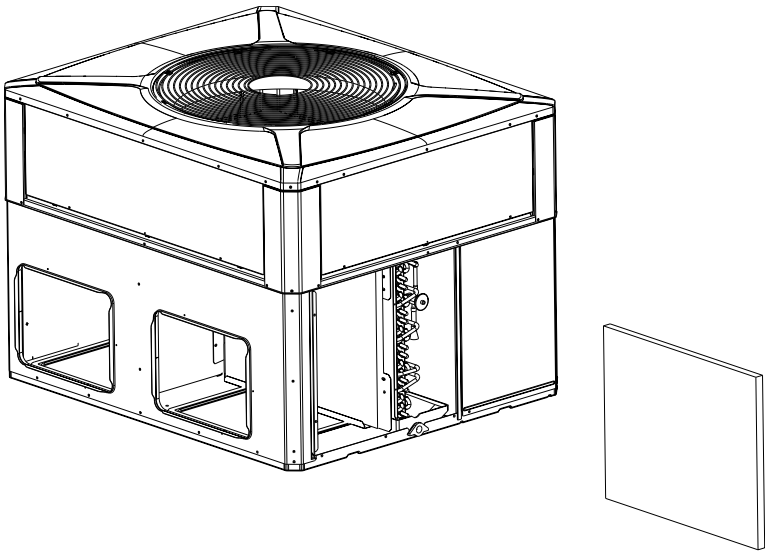
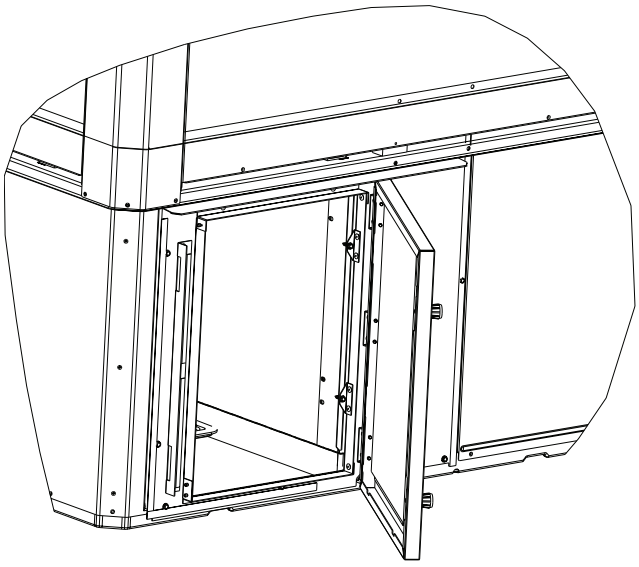


**Figure 18. BAYACCDOR1A hinged filter access door (2.0 to 3.0 ton models)/ BAYACCDOR2A (3.5 to 5.0 ton models) (Replaces filter/coil access panel)**



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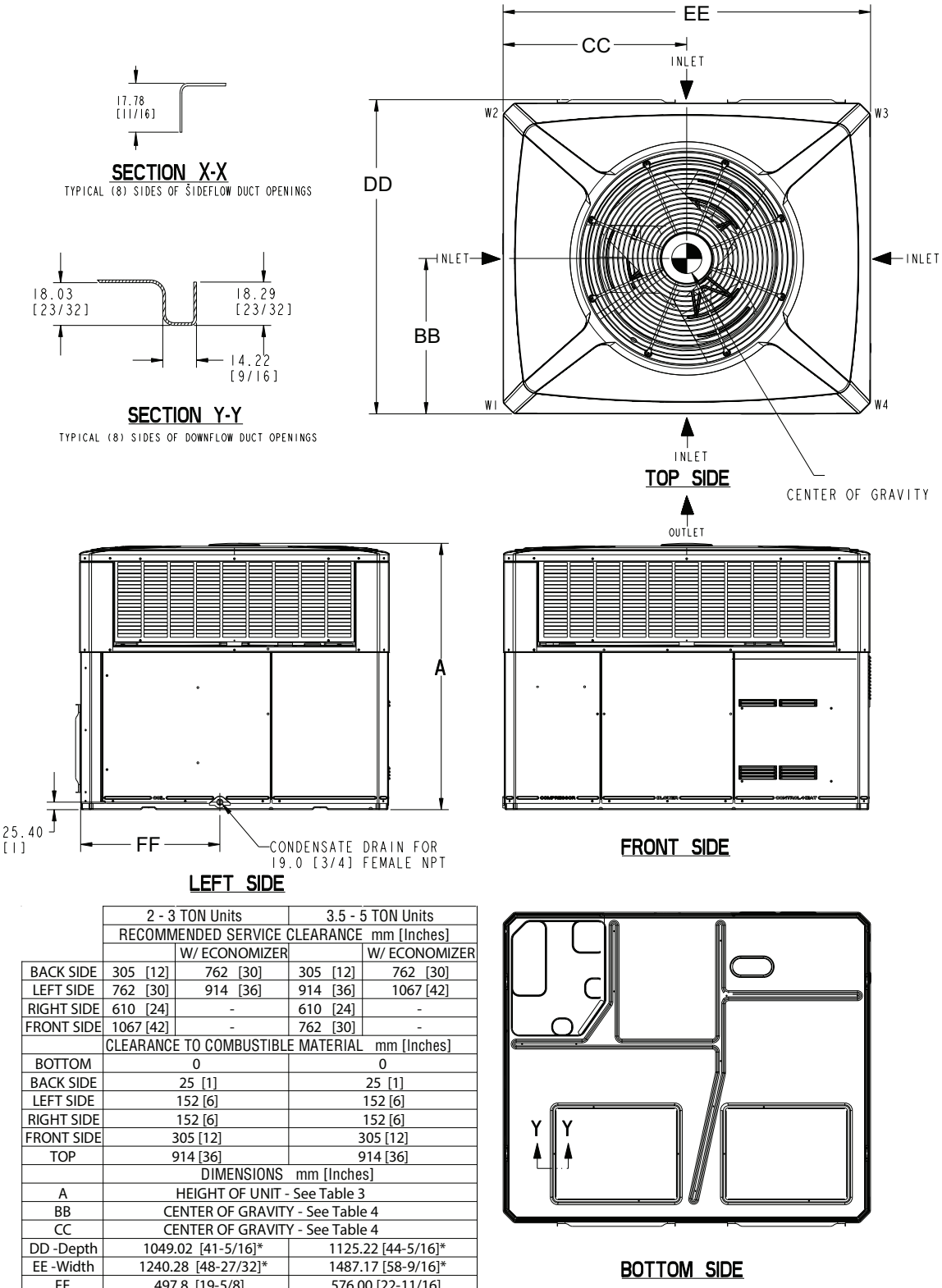
# Dimensional Data

**Figure 19. Space on sides requirements**




| | 2 - 3 TON Units | | 3.5 - 5 TON Units | |
|---|---|---|---|---|
| | RECOMMENDED SERVICE CLEARANCE mm [Inches] | | | |
| | | W/ ECONOMIZER | | W/ ECONOMIZER |
| BACK SIDE | 305 [12] | 762 [30] | 305 [12] | 762 [30] |
| LEFT SIDE | 762 [30] | 914 [36] | 914 [36] | 1067 [42] |
| RIGHT SIDE | 610 [24] | - | 610 [24] | - |
| FRONT SIDE | 1067 [42] | - | 762 [30] | - |
| | CLEARANCE TO COMBUSTIBLE MATERIAL mm [Inches] | | | |
| BOTTOM | 0 | | 0 | |
| BACK SIDE | 25 [1] | | 25 [1] | |
| LEFT SIDE | 152 [6] | | 152 [6] | |
| RIGHT SIDE | 152 [6] | | 152 [6] | |
| FRONT SIDE | 305 [12] | | 305 [12] | |
| TOP | 914 [36] | | 914 [36] | |
| | DIMENSIONS mm [Inches] | | | |
| A | HEIGHT OF UNIT - See Table 3 | | | |
| BB | CENTER OF GRAVITY - See Table 4 | | | |
| CC | CENTER OF GRAVITY - See Table 4 | | | |
| DD -Depth | 1049.02 [41-5/16]* | | 1125.22 [44-5/16]* | |
| EE -Width | 1240.28 [48-27/32]* | | 1487.17 [58-9/16]* | |
| FF | 497.8 [19-5/8] | | 576.00 [22-11/16] | |
| * Add 50.8 [2] to this dimension for single phase models due to plastic louvers. | | | | |

**Figure 20. Bottom and back duct openings**

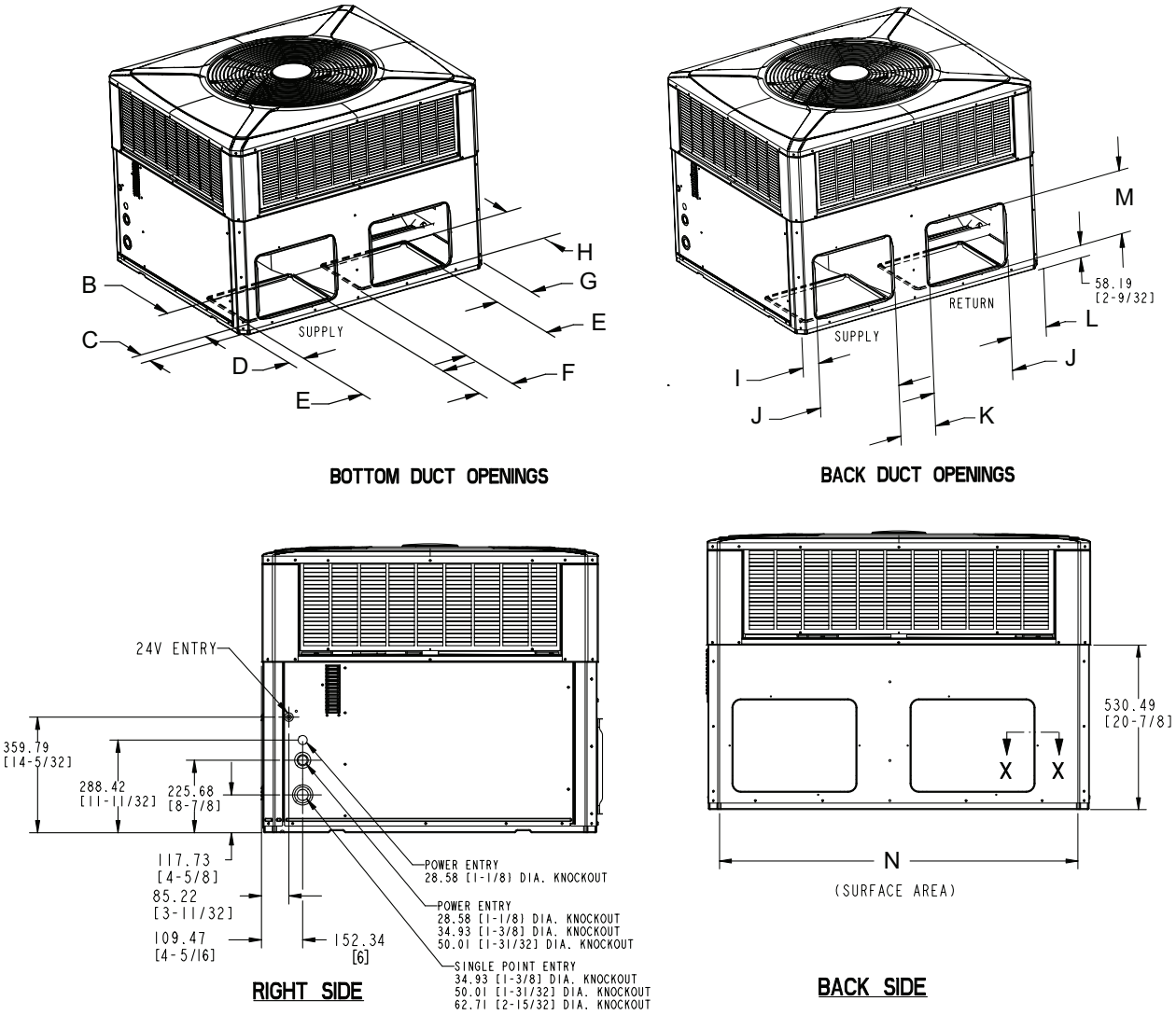



**Table 15. Dimensions (mm [inch])**

| Model | Height - A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5WCC4024 | 898.53 [35.38] | 304.80 [12] | 75.41 [2.93] | 75.41 [2.93] | 406.40 [16] | 167.89 [6.61] | 173.46 [16] | 304.80 [6.8] | 79.50 [3.13] | 398.22 [15.68] | 176.07 [6.93] | 177.55 [6.99] | 296.62 [11.68] | 1155.45 [45.49] |
| 5WCC4030 | 949.33 [37.38] | | | | | | | | | | | | | |
| 5WCC4036 | | | | | | | | | | | | | | |
| 5WCC4042 | 1000.13 [39.38] | 457.20 [18] | 75.41 [2.97] | 75.41 [2.97] | 381.00 [15] | 244.09 [9.61] | 318.75 [12.55] | 381.00 [15] | 79.50 [3.13] | 449.02 [17.68] | 176.07 [6.93] | 322.84 [12.71] | 372.82 [14.68] | 1402.34 [55.21] |
| 5WCC4048 | | | | | | | | | | | | | | |
| 5WCC4060 | 1050.93 [41.38] | | | | | | | | | | | | | |

**Table 16. Weights and center of gravity**

| Model | Corner Weights KG[LBS] | | | | Shipping Weight KG [LBS] | Unit Weight KG[LBS] | Center Of Gravity mm[inch] | |
|---|---|---|---|---|---|---|---|---|
| | W1 | W2 | W3 | W4 | | | BB | CC |
| 5WCC4024*1 | 53.5 [118] | 33.3 [73] | 24.1 [53] | 38.3 [84] | 182.8 [403] | 149.2 [329] | 430.0 [16.9] | 565.3 [22.3] |
| 5WCC4030*1 | 56.7 [125] | 50.3 [110] | 16.6 [37] | 39.2 [86] | 196.9 [434] | 162.8 [359] | 413.5 [16.3] | 581.0 [22.9] |
| 5WCC4036*1 | 61.8 [136] | 37.3 [82] | 26.6 [59] | 41.7 [92] | 201.4 [444] | 167.4 [369] | 430.0 [17.0] | 535.0 [21.1] |
| 5WCC4042*1 | 67.1 [148] | 47.6 [105] | 39.5 [87] | 49.9 [110] | 251.3 [554] | 204.1 [450] | 449.6 [17.7] | 641.8 [25.3] |
| 5WCC4048*1 | 71.7 [158] | 40.8 [90] | 30.8 [68] | 52.2 [115] | 242.7 [535] | 195.5 [431] | 414.0 [16.3] | 635.0 [25.0] |
| 5WCC4060*1 | 80.3 [177] | 47.2 [104] | 35.8 [79] | 59.9 [132] | 270.3 [596] | 223.2 [492] | 414.0 [16.3] | 635.0 [25.0] |
| 5WCC4036*3 | 61.2 [135] | 37.3 [82] | 26.6 [59] | 41.7 [92] | 200.9 [443] | 166.8 [368] | 430.0 [17.0] | 535.0 [21.1] |
| 5WCC4048*3 | 69.0 [152] | 40.8 [90] | 30.8 [68] | 52.2 [115] | 240.0[529] | 192.8 [425] | 414.0 [16.3] | 635.0 [25.0] |
| 5WCC4060*3 | 77.5 [171] | 47.2 [104] | 35.8 [79] | 59.9 [132] | 267.6 [590] | 220.4 [486] | 414.0 [16.3] | 635.0 [25.0] |
| 5WCC4036*4 | 67.2 [148] | 37.3 [82] | 26.6 [59] | 41.7 [92] | 206.8 [456] | 172.8 [381] | 430.0 [17.0] | 535.0 [21.1] |
| 5WCC4048*4 | 74.4 [164] | 40.8 [90] | 30.8 [68] | 52.2 [115] | 245.4 [541] | 198.2 [437] | 414.0 [16.3] | 635.0 [25.0] |
| 5WCC4060*4 | 83.0 [183] | 47.2 [104] | 35.8 [79] | 59.9 [132] | 273.1 [602] | 225.9 [498] | 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** Internally enhanced 3/8-in. OD seamless copper tubing mechanically bonded to aluminum fins, factory pressure and leak tested at 480 to 650 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 Torgue, 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 pigtails 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.

## Notes

Trane - by Trane Technologies (NYSE: TT), a global innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or tranetechnologies.com.

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Trane has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

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