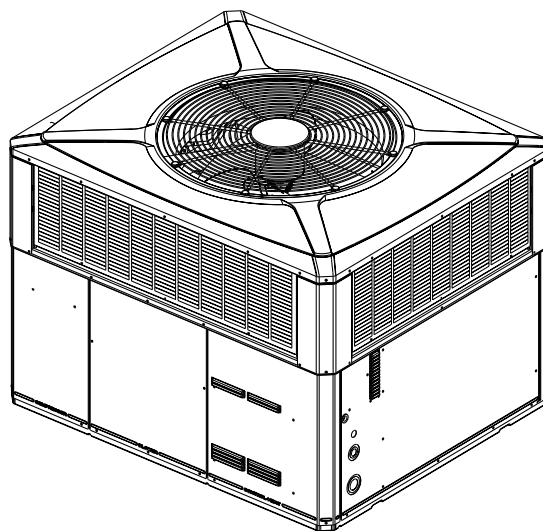




Product and Submittal Data

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.*



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.



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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



Product Specifications

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 &WCC&024-060±1 &TCY&024-060±1 &WCY&024-060±1 &WCZ&024-060±1 A5PA&024-060±1 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 &WCC&024-060±1 &TCY&024-060±1 &WCY&024-060±1 &WCZ&024-060±1 A5PA&024-060±1 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 &WCC&024-060±1 &TCY&024-060±1 &WCY&024-060±1 &WCZ&024-060±1 A5PA&024-060±1 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 &WCC&030-060±1 &TCY&030-060±1 &WCY&030-060±1 &WCZ&030-060±1 A5PA&030-060±1 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 &WCC&048-060±1 &TCY&042-060±1 &WCY&042-060±1 &WCZ&048-060±1 A5PA&048-060±1 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 &WCC&060±1 &TCY&042-060±1 &WCY&042-060±1 &WCZ&048-060±1 A5PA&060±1 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 &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 &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 &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 &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 &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 &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



Supplementary Electric Heaters

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

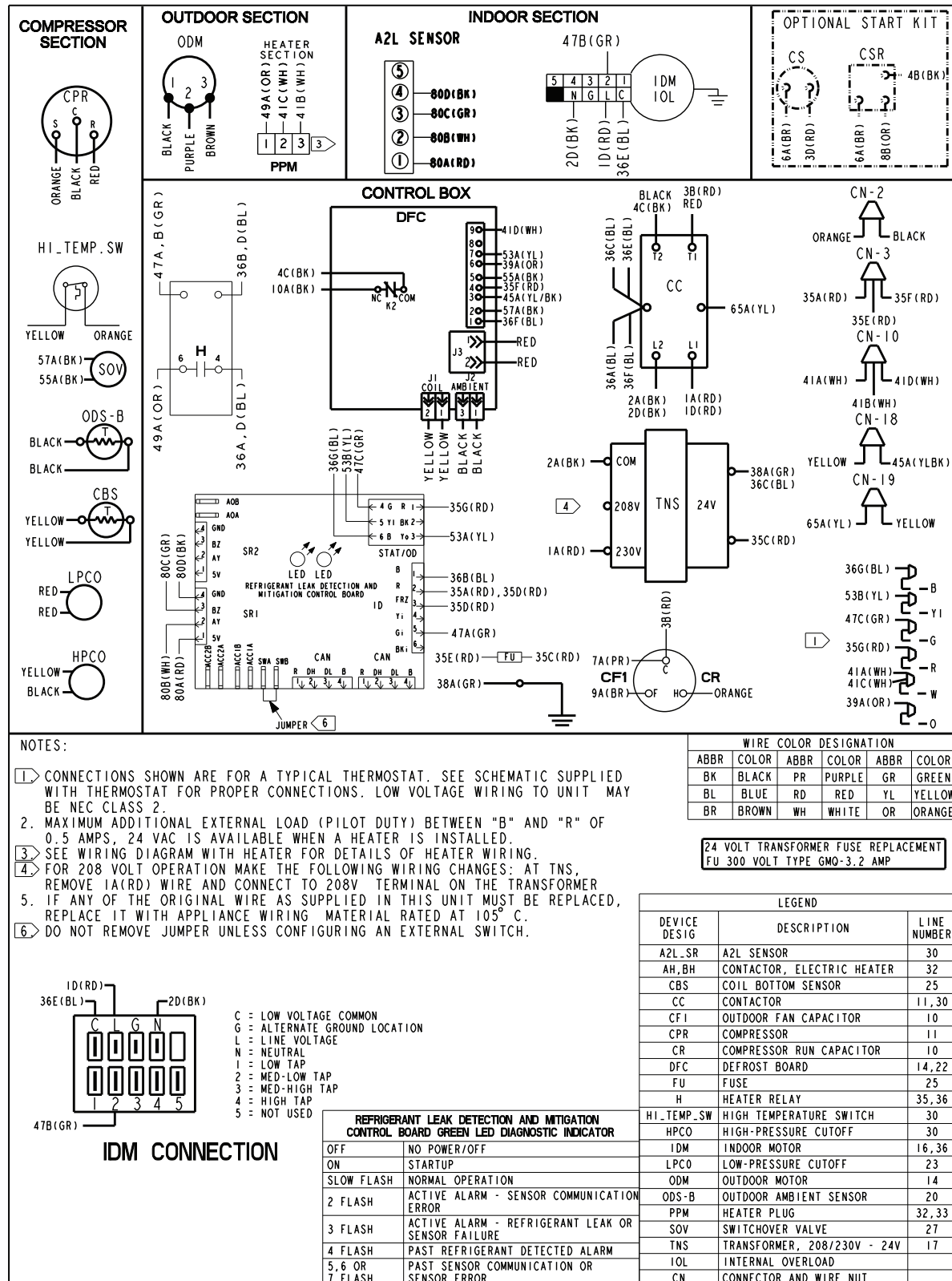
5WCC4060A		External Static Pressure (in.WG) Horizontal Airflow [Down Airflow]										
Motor Speed		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
LOW	Watts	515 [511]	523 [521]	533 [533]	544 [546]	554 [558]	—	—	—	—	—	—
	CFM	1857 [1875]	1831 [1841]	1800 [1805]	1766 [1766]	1737 [1730]	—	—	—	—	—	—
MED—LOW (a)	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



UNIT FACTORY WIRED FOR 230V
 SEE WIRING DIAGRAM NOTES FOR REQUIRED WIRING CHANGES WHEN INSTALLED ON A 208V POWER SUPPLY.

CAUTION
 USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

WARNING
 HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING. FAILURE TO DISCONNECT POWER SUPPLY BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

VOLTAGE HASARDEUX!
 DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFETUER L'ENTRETIEN. FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EFFETUER L'ENTRETIEN PEUT ENTRAINDER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

CAUTION-NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150 VOLTS TO GROUND.
ATTENTION: NE CONVIENT PAS POUR LES INSTALLATIONS DE PLUS DE 150V. A TERRE.

PART NUMBER
 D758132P02

POWER SUPPLY PER LOCAL CODES
 SEE NAMEPLATE FOR LINE VOLTAGE.

OPTIONAL START KIT

CLASS 2 WIRING THERMOSTAT

REFRIGERANT LEAK DETECTION AND MITIGATION CONTROL BOARD

OPTIONAL ELECTRIC HEAT

WIRING DIAGRAM

LEGEND

Wire Color	Terminal
4B (BK)	3
6A (BR)	2
3D (RD)	1
2A (BK)	4
1A (RD)	5
3B (RD)	6
4C (BK)	7
2D (BK)	8
1D (RD)	9
3A (OR)	10
5A (YL)	11
35F (RD)	12
45A (YLBK)	13
57A (BK)	14
55A (BK)	15
41B (WH)	16
41C (WH)	17
36B (BL)	18
35A (RD)	19
47A (GR)	20
47B (GR)	21
36D (BL)	22
49A (OR)	23
36A (BL)	24
65A (YL)	25
36E (BL)	26



Figure 4. 5WCC4048A1

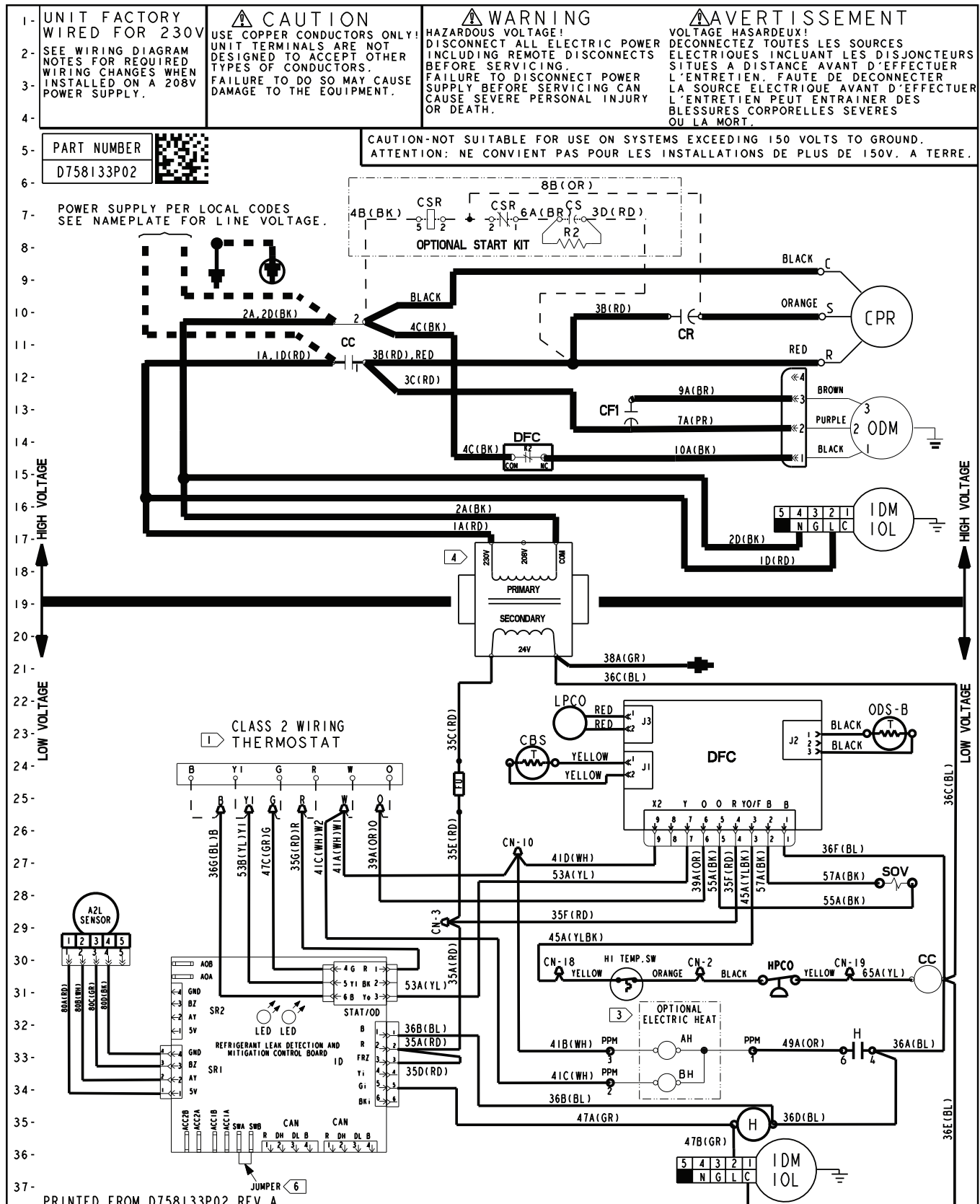


Figure 5. 5WCC4060A1

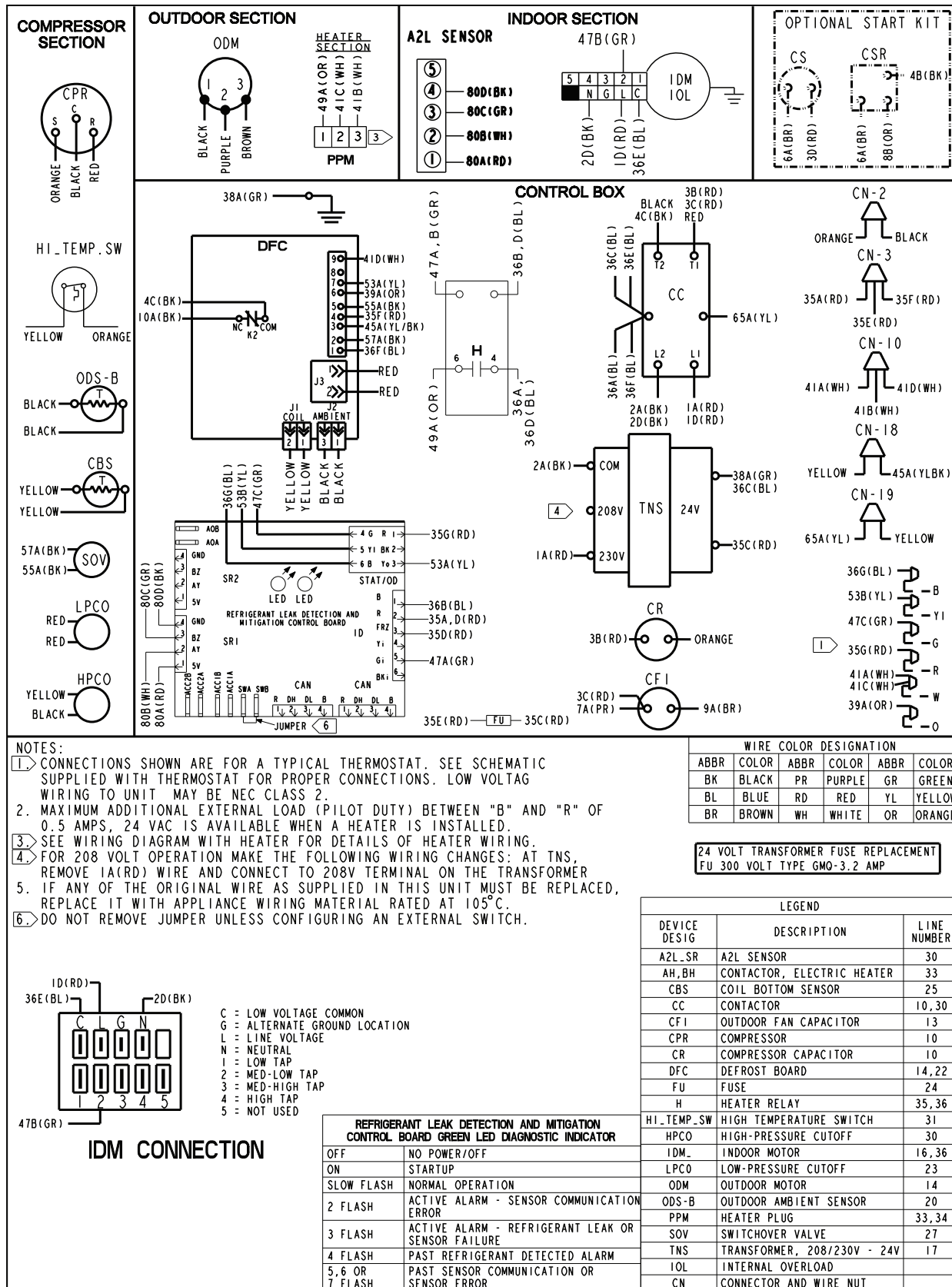


Figure 6. 5WCC4060A1

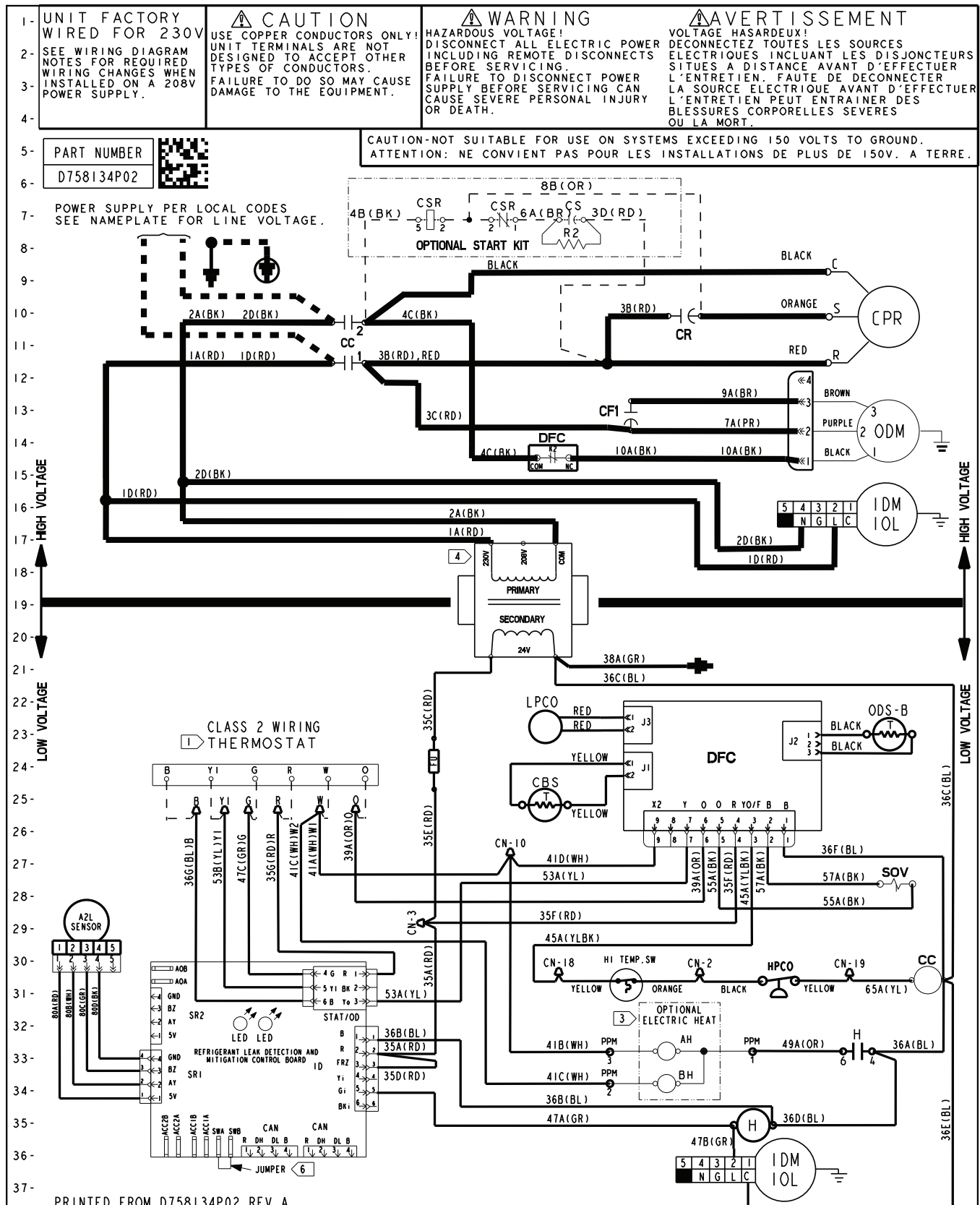


Figure 7. 5WCC4036A3-60A3

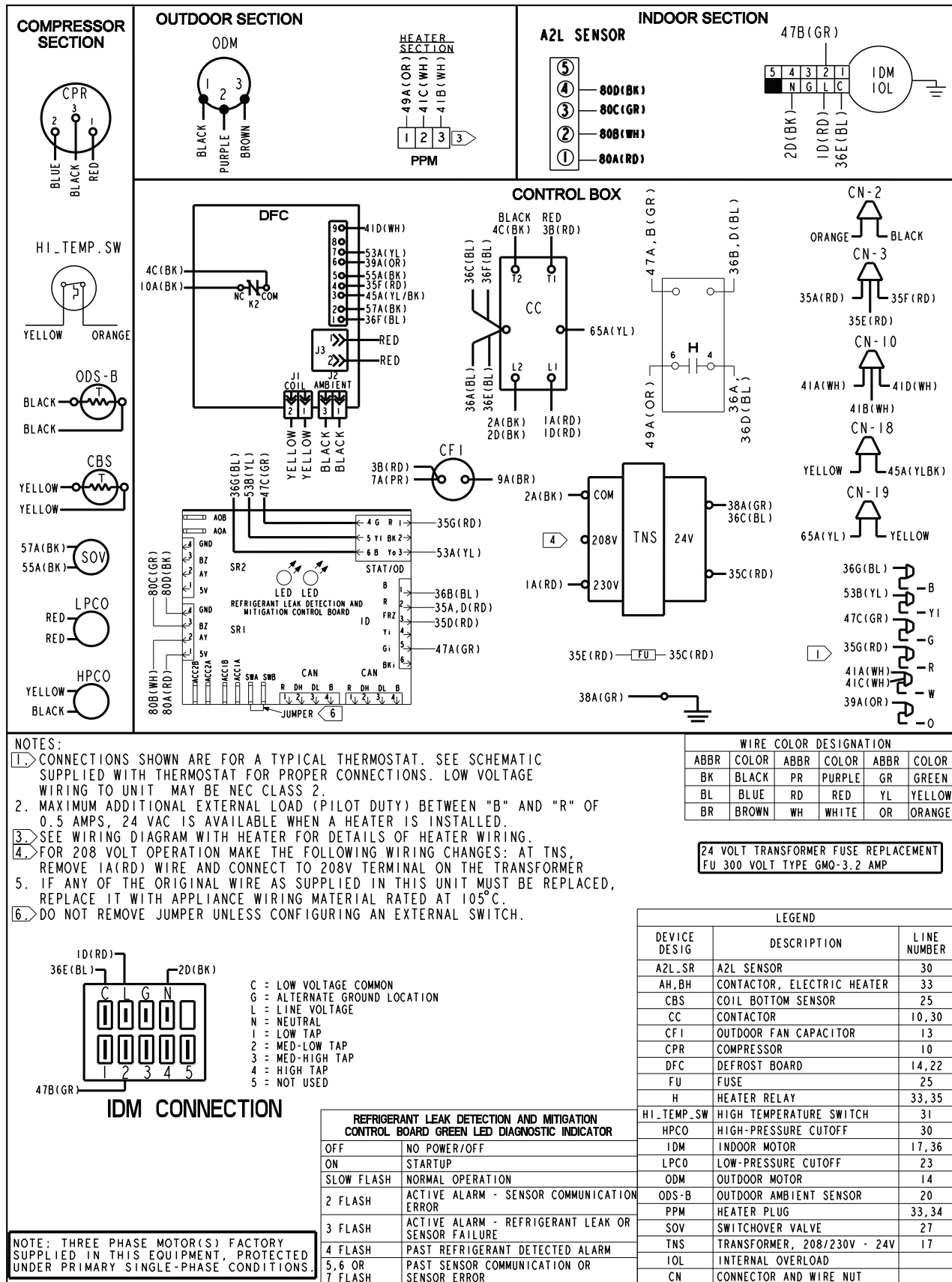
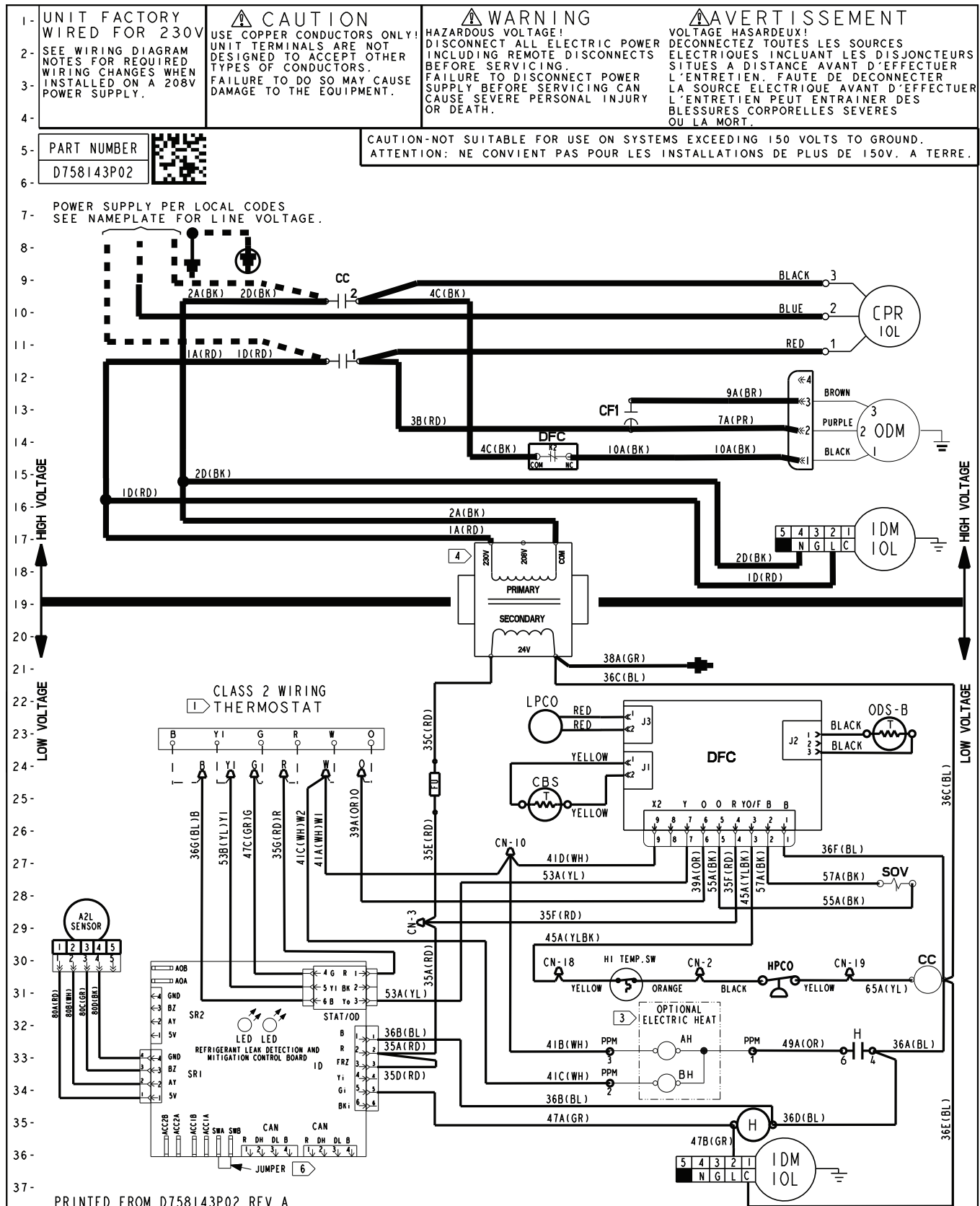
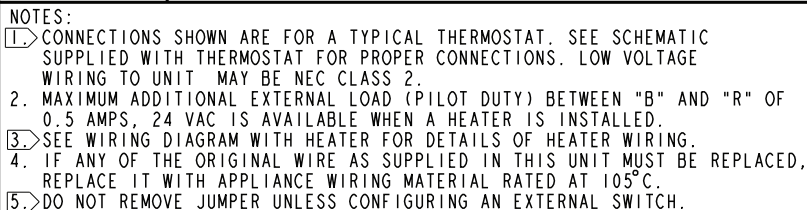


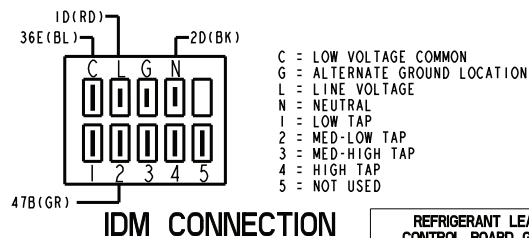
Figure 8. 5WCC4036A3-60A3





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

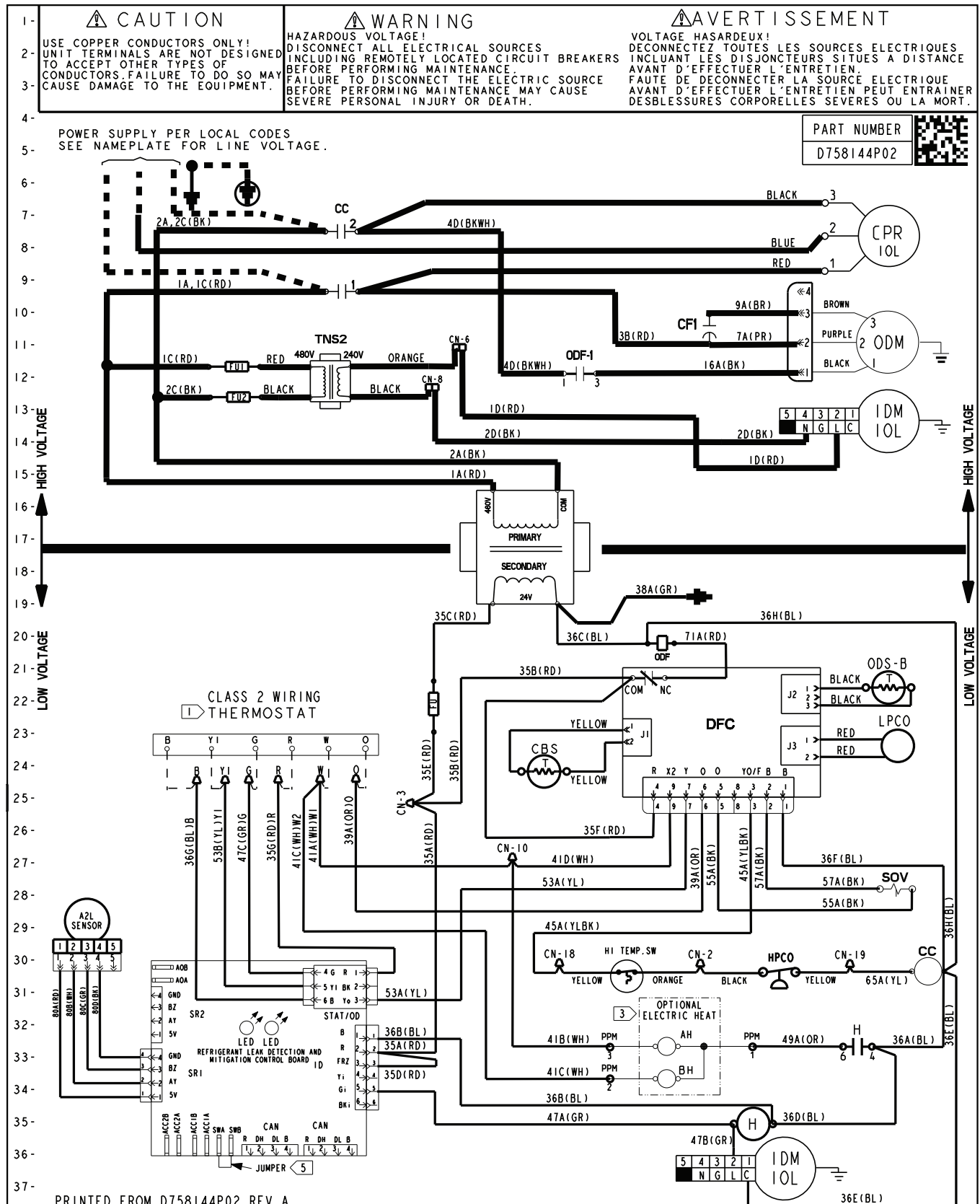
LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
A2L-SR	A2L SENSOR	30
AH,BH	CONTACTOR, ELECTRIC HEATER	33
CBS	COIL BOTTOM SENSOR	24
CC	CONTACTOR	8, 30
CFI	OUTDOOR FAN CAPACITOR	11
CPR	COMPRESSOR	8
DFC	DEFROST BOARD	21
FU	FUSE	22
FUSE1	FUSE, AUTO TRANSFORMER	12
FUSE2	FUSE, AUTO TRANSFORMER	13
H	HEATER RELAY	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 - I	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 TRANSFORMER	11
IOL	INTERNAL OVERLOAD	
CN	CONNECTOR AND WIRE NUT	



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

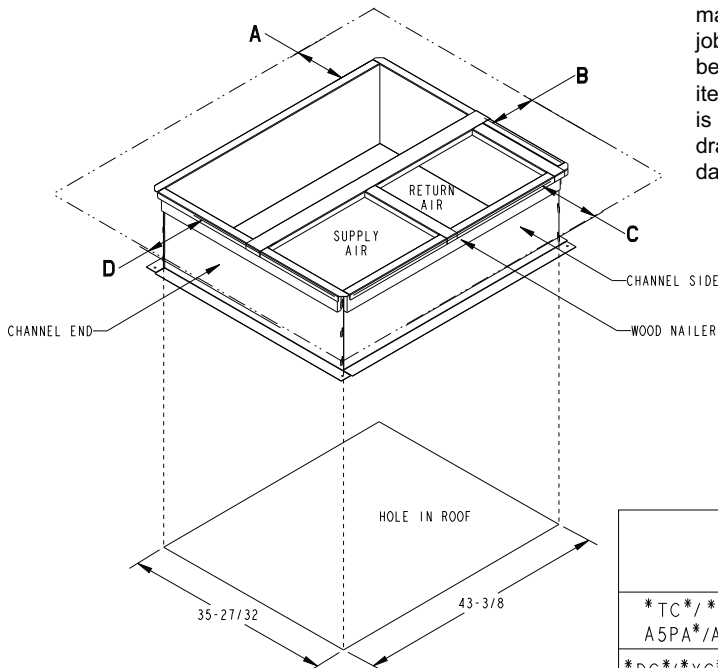
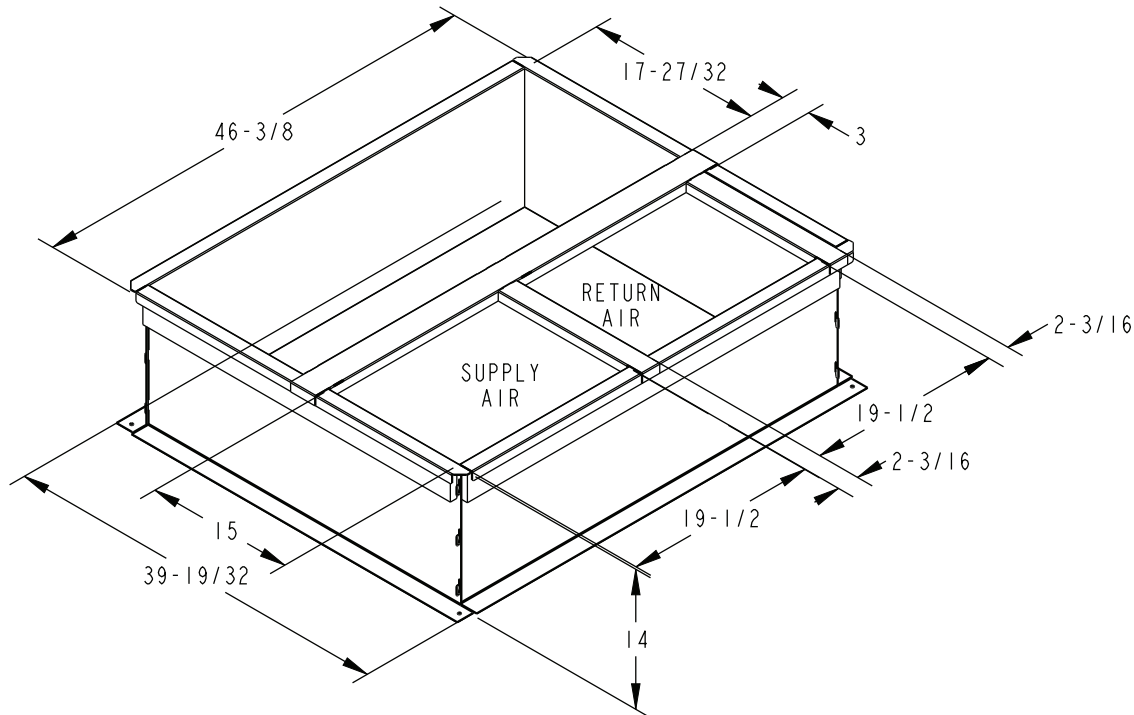
Figure 10. 5WCC4036A4-60A4



Full Perimeter Roof Mounting Curb

Figure 11. 2.0 to 3.0 ton models

BAYCURB050B Full Perimeter Roof Mounting Curb

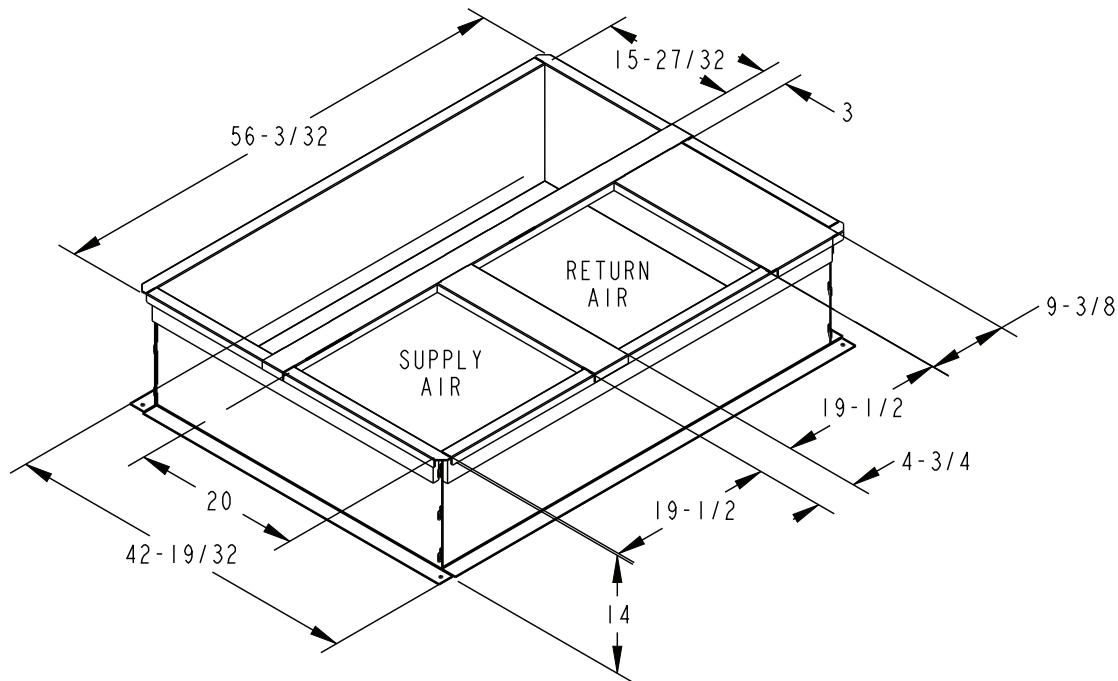


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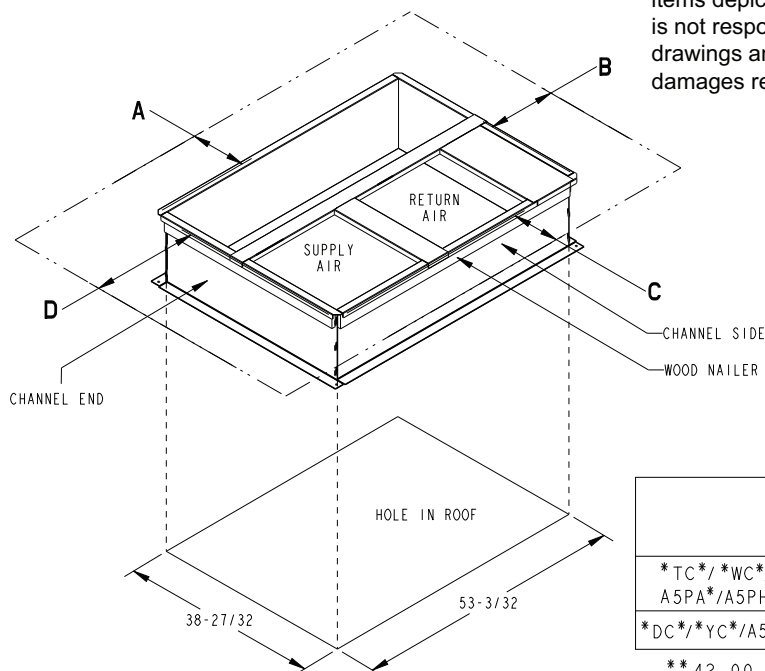
All dimensions are in inches

	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

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)

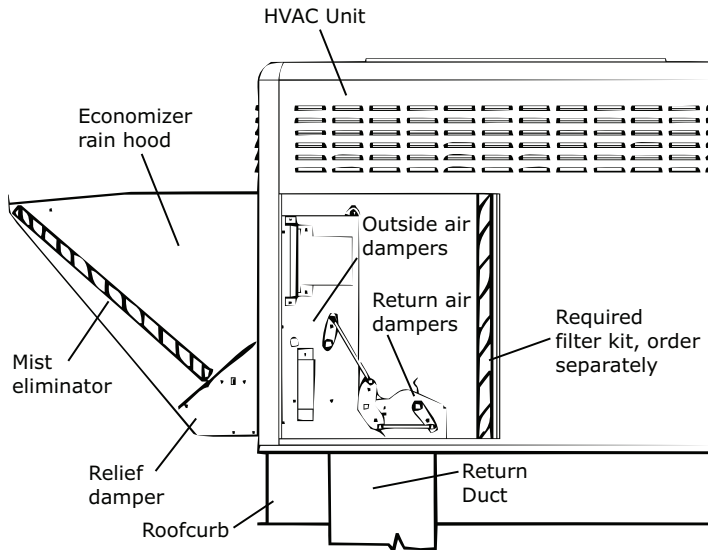


Table 11. Economizer application models

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

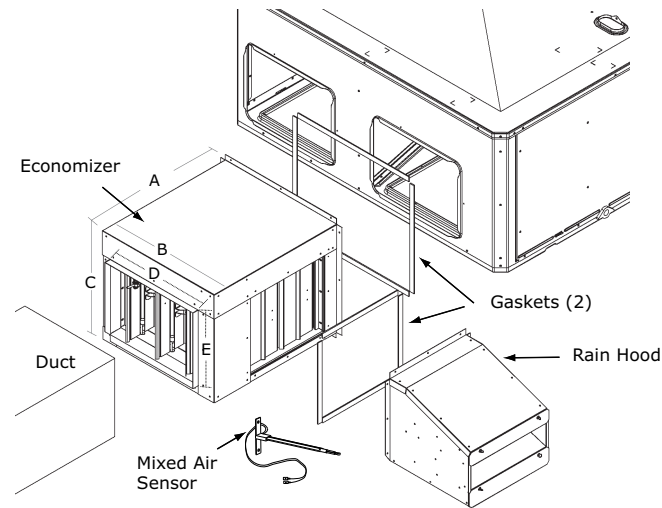


Table 12. Economizer dimension (in inches)

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

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

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

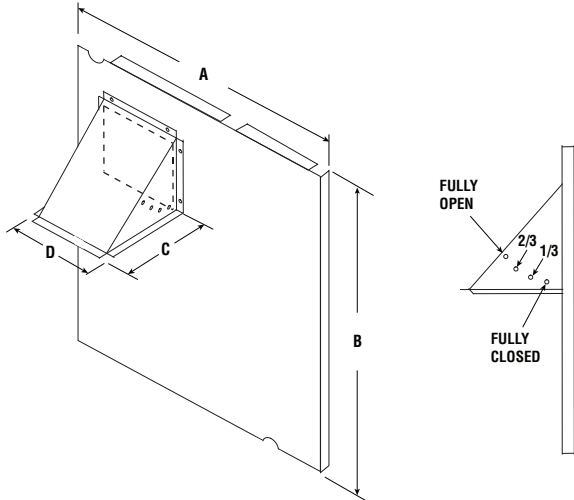


Table 13. Outside air damper dimensions (in inches)

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)

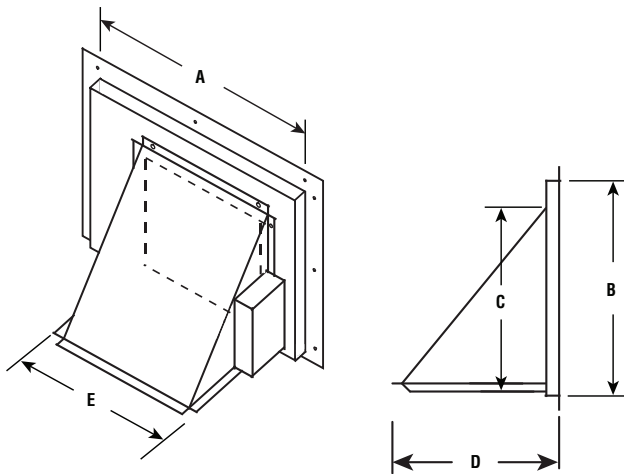


Table 14. Outside air damper dimensions (in inches)

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)

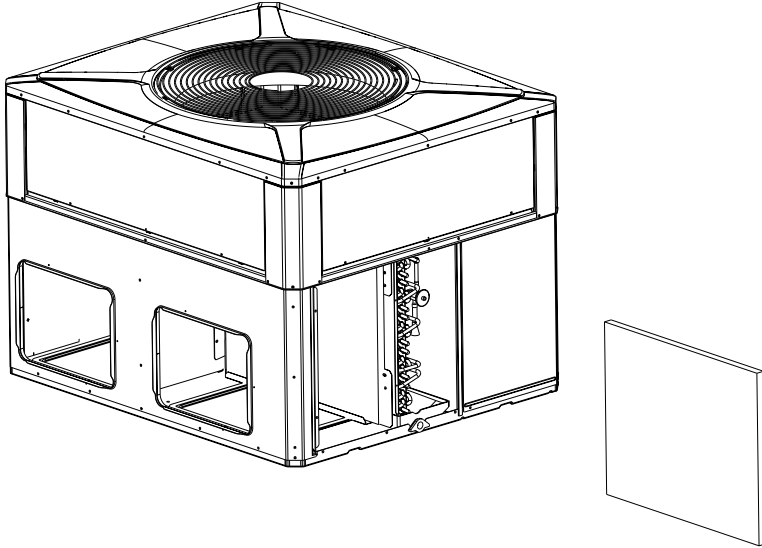
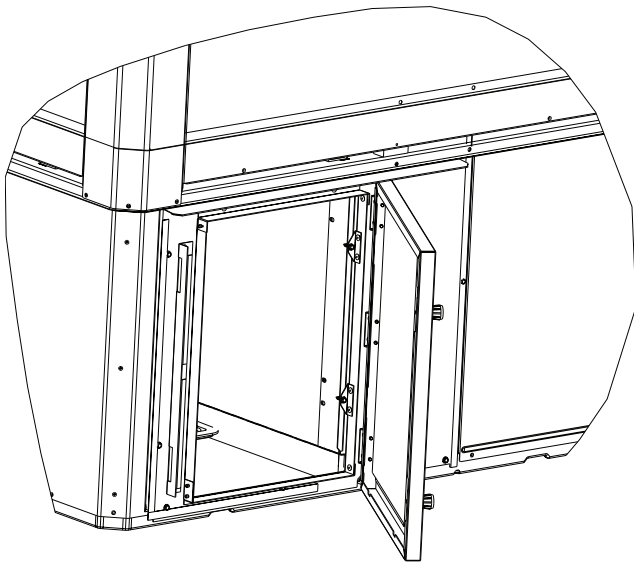


Figure 18. BAYACCDOR1A hinged filter access door (2.0 to 3.0 ton models)/ BAYACCDOR2A (3.5 to 5.0 ton models) (Replaces filter/coil access panel)



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.

Dimensional Data

Figure 19. Space on sides requirements

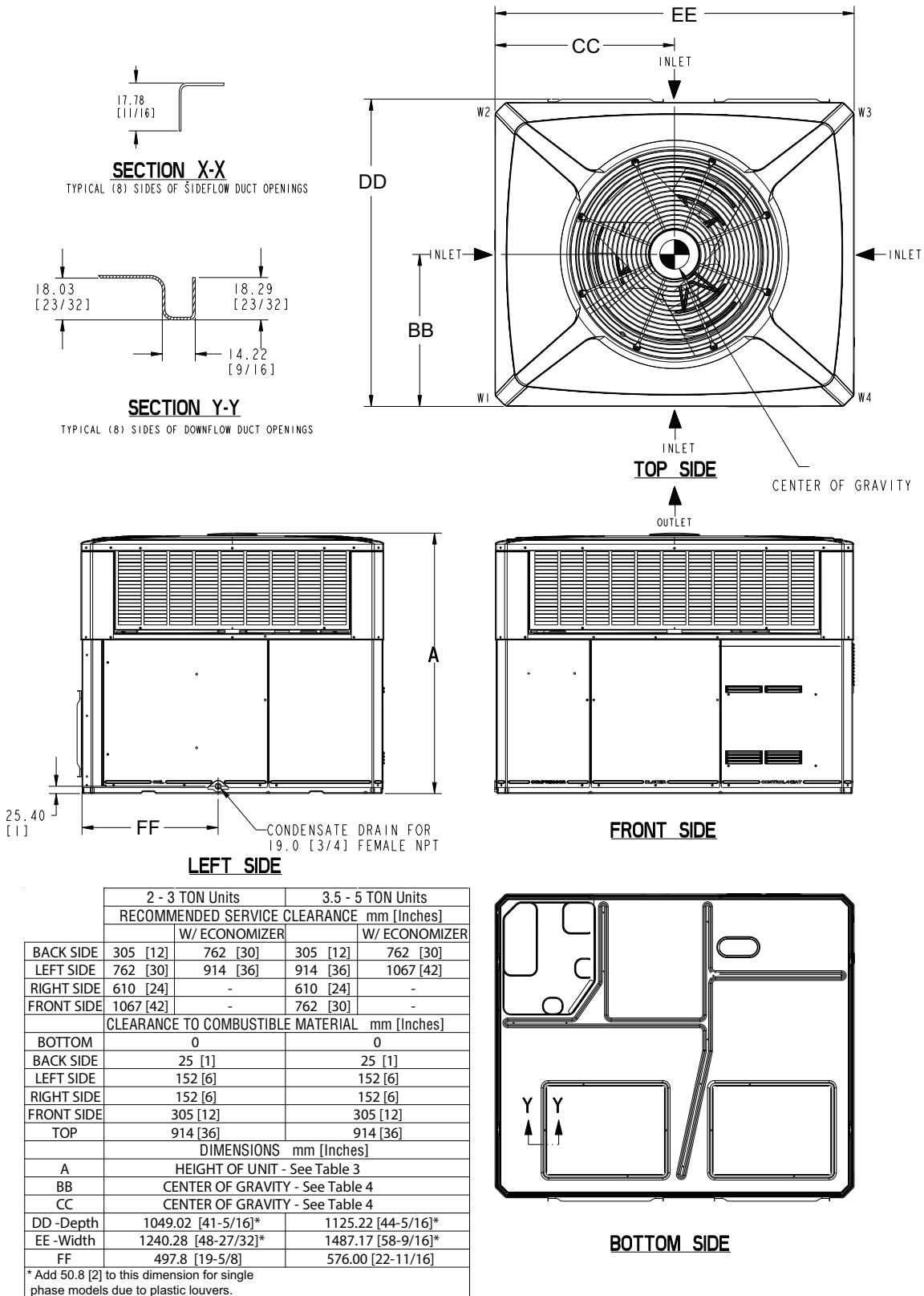


Figure 20. Bottom and back duct openings

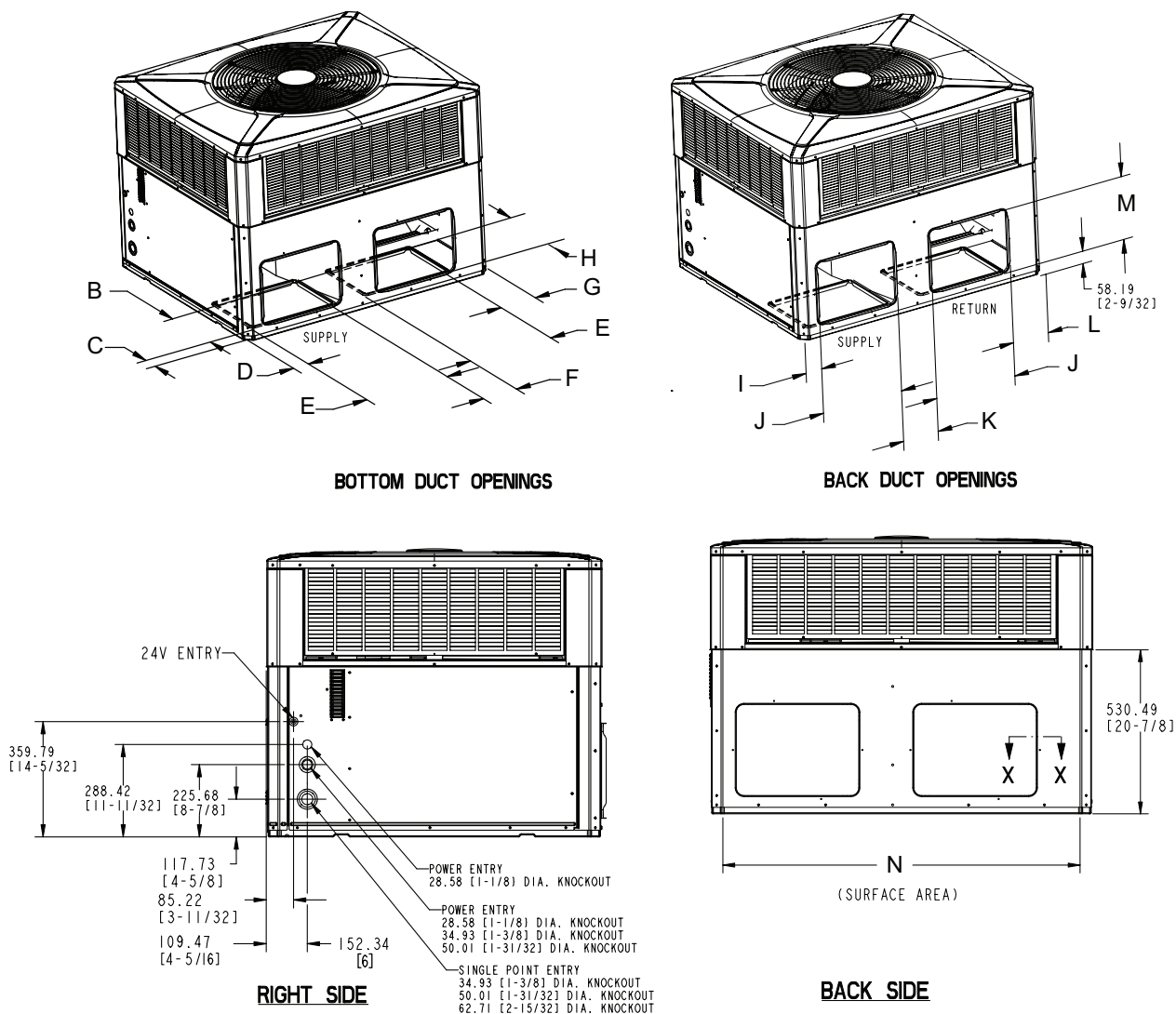


Table 15. Dimensions (mm [inch])

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	949.33 [37.38]													
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	1000.13 [39.38]													
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 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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