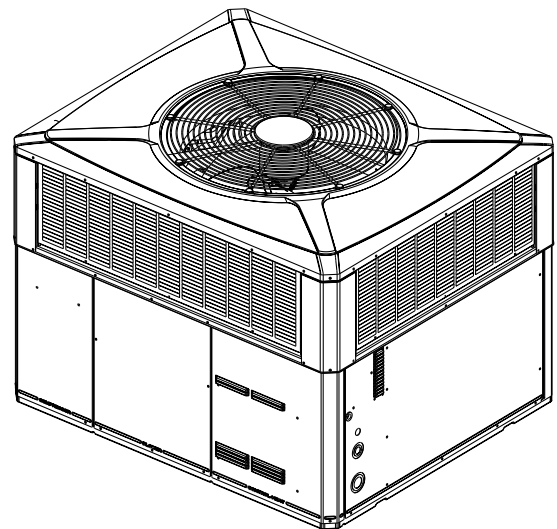




Product Data

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

5WCC4024A1000A
5WCC4030A1000A
5WCC4036A1000A
5WCC4042A1000A
5WCC4048A1000A
5WCC4060A1000A
5WCC4036A3000A
5WCC4048A3000A
5WCC4060A3000A



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



SAFETY SECTION

Important: This document contains a wiring diagram, a parts list, and service information. This is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

⚠ WARNING

HAZARDOUS VOLTAGE!

Failure to follow this Warning could result in property damage, severe personal injury, or death.

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized.

⚠ WARNING

SAFETY AND ELECTRICAL HAZARD!

Failure to follow this Warning could result in property damage, severe personal injury, or death.

These servicing instructions are for use by qualified personnel only. To reduce the risk of electrical shock, do not perform any servicing other than that contained in these operating instructions unless you are qualified to do so.

⚠ CAUTION

GROUNDING REQUIRED!

Failure to inspect or use proper service tools may result in equipment damage or personal injury.

Reconnect all grounding devices. All parts of this product that are capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

⚠ CAUTION

SHARP EDGE HAZARD!

Failure to follow this Caution could result in property damage or personal injury.

Be careful of sharp edges on equipment or any cuts made on sheet metal while installing or servicing.

⚠ WARNING

UNIT CONTAINS R-454B REFRIGERANT!

Proper service equipment is required. Failure to use proper service tools may result in equipment damage or personal injury.

⚠ WARNING

SERVICE!

USE ONLY R-454B REFRIGERANT AND APPROVED COMPRESSOR OIL.

⚠ WARNING

LEAK DETECTION SYSTEM!

LEAK DETECTION SYSTEM installed. Unit must be powered except for service.

⚠ WARNING**SAFETY HAZARD!**

Children should be supervised to ensure that they do not play with the appliance.

⚠ WARNING**SAFETY HAZARD!**

This appliance is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.

⚠ WARNING**SAFETY HAZARD!**

Operating the unit without the access panels properly installed may result in severe personal injury or death.

Do not operate the unit without the evaporator fan access panel or evaporator coil access panel in place.

⚠ WARNING**RISK OF FIRE!**

Flammable refrigerant used. To be repaired only by trained service personnel. Do not puncture refrigerant tubing.

Dispose of refrigerant in accordance with federal and/or local regulations.

⚠ WARNING**WARNING!**

This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Important: Wear appropriate gloves, arm sleeve protectors and eye protection when servicing or maintaining this equipment.

Important: Air filters and media wheels or plates shall meet the test requirements in UL 900.



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Single Packaged Heat Pump

Introducing the new Trane Single Packaged Heat Pump.

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.



Optional Equipment Listing

* = T, W, or Y	
Hinged Filter Access Door (5*CC4024-036)	BAYCCDOR1A []
Hinged Filter Access Door (5*CC4042-060)	BAYCCDOR2A []
Roof Curb Full Perimeter (5*CC024-036)	BAYCURB050A []
Roof Curb Full Perimeter (5*CC042-060)	BAYCURB051A []
Roof Curb Utility Extension Kit (BAYCURB050A)	BAYUTIL101B []
Roof Curb Utility Extension Kit (BAYCURB051A)	BAYUTIL101B []
0-25% Manual Fresh Air Damper (5*CC4024-36) ^(a)	BAYOSAH001A []
0-25% Manual Fresh Air Damper (5*CC4042-60)	BAYOSAH002A []
Motorized Fresh Air Damper (5*CC4024-036)	BAYDMPR101A []
Motorized Fresh Air Damper (5*CC4042-060)	BAYDMPR102A []
0-100% Mod Economizer w/Baro. Relief (5*CC4024-036) ^{(b) (c)}	BAYECON105A []
0-100% Mod Economizer w/Baro. Relief (5*CC4042-060)	BAYECON106A []
0-100% Horizontal Economizer (5*CC4024-36)	BAYECON205A []
0-100% Horizontal Economizer (5*CC4042-60)	BAYECON206A []
Enthalpy Control for Economizer (ALL-BAYECON)	BAYEENTH001A []
Remote Potentiometer (ALL-BAYECON)	BAYSTAT023 []
1"–2" Filter Frame (5*CC4024-036) (18 x 25 filter not included)	BAYFLTR101C []
1"–2" Filter Frame (5*CC4042-060) (two 18 x 20 filters not included)	BAYFLTR201C []
Head Pressure Control (Low Ambient Cool) (208/240v) Kit	BAYLOAM105A []
Quick Start Kit (5WCC4, 4TCC4)	BAYQSTK300A []
Quick Start Kit (5YCC4)	BAYQSTK301C []
Crankcase Heater Scroll (5*CC4024-036) (230v)	BAYCCHT103A []
Crankcase Heater Scroll (5*CC4042-060) (230v)	BAYCCHT102A []
Crankcase Heater Scroll (5*CC4024-036) (230v)	BAYCCHT301A []
Crankcase Heater Scroll (5*CC4042-060) (230v)	BAYCCHT302A []
Adapter Curb (5*CC4024-36) to BAYCURB030, 38	BAYADAP050A []
Adapter Curb (5*CC4024-36) to BAYCURB033	BAYADAP051A []
Adapter Curb (5*CC4042-60) to BAYCURB030, 38	BAYADAP052A []
Adapter Curb (5*CC4042-60) to BAYCURB033	BAYADAP053A []
Adapter Curb (5*CC4042-60) to BAYCURB034	BAYADAP054A []
12" Duct Shroud Covers Horizontal (5*CC4024-060)	BAYCOVR112A []
18" Duct Shroud Covers Horizontal (5*CC4024-060)	BAYCOVR118A []
Extreme Condition Mounting Kit — All BAYCURB & BAYADAP	BAYEXMK001A []
Extreme Condition Mounting Kit — All BAYUTIL	BAYEXMK002B []
Extreme Condition Mounting Kit — All Slab Mounts	BAYEXMK003B []
Lifting Lug Kit	BAYLIFT002B []
LP Conversion Kit (All 115K Models)	BAYLPKT100B []
LP Conversion Kit (All 60K and 90K Models)	BAYLPKT101B []
LP Conversion Kit (All 70K Models)	BAYLPKT102B []



Optional Equipment Listing

SUPPLEMENTARY HEATERS (1 PHASE) * = T or W Only (Does not apply to Gas/Electric dual fuel models)	
3.76/5.0 KW Heater (208/240V 1 PH) (5*CC4024-060)	BAYHTRG105G []
6.0/8.0 KW Heater (208/240V 1 PH) (5*CC4024-060)	BAYHTRG108G []
7.50/10.0 KW Heater (208/240V 1 PH) (5*CC4024-060)	BAYHTRG110G []
11.27/15.0 KW Heater (208/240V 1 PH) (5*CC4030-060)	BAYHTRG115G []
15.0/20.0 KW Heater (208/240V 1 PH) (5*CC4048-060)	BAYHTRG120G []
18.78/25.0 KW Heater (208/240V 1 PH) (5*CC40060)	BAYHTRG125G []
Single Power Entry Kit ^(d)	BAYSPEK060G []
Single Power Entry Kit	BAYSPEK062G []
Single Power Entry Kit	BAYSPEK063G []

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

(b) Dry bulb control standard with economizer.

(c) Downflow only.

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



Product Specification

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)	66.4	70.0	70.9	71.5	72.5	77.3
PERFORMANCE HEATING	208-230/1/60					
(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)	LOCATED ON UNIT NAMEPLATE					
Fuse Size — Max. (amps)	LOCATED ON UNIT NAMEPLATE					
Fuse Size — Recmd. (amps)	LOCATED ON UNIT NAMEPLATE					
COMPRESSOR	SCROLL					
VOLTS/PH/HZ	208-230/1/60					
R.L. Amps — L.R. Amps	LOCATED ON UNIT NAMEPLATE					
OUTDOOR COIL — TYPE	SPINE FIN					
Rows/F.P.I	2 / 24					
Face Area (sq. ft.)	13.32	15.49	15.49	20.54	20.54	23.00
Tube Size (in.)	3/8					
Refrigerant Control	EXPANSION VALVE					
INDOOR COIL — TYPE	PLATE FIN					
Rows/F.P.I 3 / 15	3/15	4/15	4/15	3/15	3/15	4/15
Face Area (sq. ft.)	3.5			5.0		
Tube Size (in.)	3/8					
Refrigeration Control	EXPANSION VALVE					
Drain Conn. Size (in.)	3/4" FEMALE NPT					
OUTDOOR FAN — TYPE	PROPELLER					
DIA. (IN.)	23.4			28.3		
DRIVE/NO. SPEEDS	DIRECT / 1					
CFM @ 0.0 in. w.g. ^(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					
F.L. Amps/L.R Amps	LOCATED ON UNIT NAMEPLATE					
INDOOR FAN — TYPE	CONSTANT TORQUE ECM					
Dia. x Width (in.)	10.62 x 10.62					11.87 x 10.62
Drive/No. Speeds	DIRECT / 4					
CFM @ 0.0 in. w.g. ^(f)	SEE 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					
F.L. Amps	LOCATED ON UNIT NAMEPLATE					
FILTER / FURNISHED	NO					
Type Recommended	THROWAWAY					
Recmd. Face Area (sq. ft) ^(g)	4.0			5.3		
REFRIGERANT	R-454B					
Charge (lbs.)	LOCATED ON UNIT NAMEPLATE					
Subcooling	12° F	12° F	12° F	12° F	12° F	8° F

(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" W.C.

MODEL	5WCC4036*3	5WCC4048*3	5WCC4060*3
RATED Volts/PH/Hz	208-230/3/60		
Performance Cooling BTUH ^(a)	34400	46000	57000
Indoor Airflow (CFM)	1150	1650	1970
Power Input (KW)	3.11	4.34	5.00
EER2/SEER2 (BTU/Watt-Hr.) ^(b)	11.0 / 13.6	11.0/13.4	11.0/13.6
Sound Power Rating [dB(A)] ^(c)	70.9	72.5	77.3
PERFORMANCE HEATING	208-230/3/60		
(High Temp.) BTUH	33600	44000	56000
Power Input (KW)	2.85	3.93	4.78
(Low Temp.) BTUH	21400	29400	34800
Power Input (KW)	2.62	3.66	4.36
HSPF2 (BTUH/Watt-Hr)	6.7	6.7	7.0
POWER CONN. — V/Ph/Hz	208-230/3/60		
Min. Brch. Cir. Ampacity ^(d)	LOCATED ON UNIT NAMEPLATE		
Fuse Size — Max. (amps)	LOCATED ON UNIT NAMEPLATE		
Fuse Size — Recmd. (amps)	LOCATED ON UNIT NAMEPLATE		
COMPRESSOR	SCROLL		
VOLTS/PH/HZ	208-230/3/60		
R.L. Amps — L.R. Amps	LOCATED ON UNIT NAMEPLATE		
OUTDOOR COIL — TYPE	SPINE FIN		
Rows/F.P.I	2 / 24		
Face Area (sq. ft.)	15.49	20.54	23.00
Tube Size (in.)	3/8		
Refrigerant Control	EXPANSION VALVE		
INDOOR COIL — TYPE	PLATE FIN		
Rows/F.P.I 3 / 15	4/15	3/15	4/15
Face Area (sq. ft.)	3.5	5.0	
Tube Size (in.)	3/8		
Refrigeration Control	EXPANSION VALVE		
Drain Conn. Size (in.)	3/4" FEMALE NPT		
OUTDOOR FAN — TYPE	PROPELLER		
DIA. (IN.)	23.4	28.0	28.3
DRIVE/NO. SPEEDS	DIRECT / 1		
CFM @ 0.0 in. w.g. ^(e)	3250	4400	5500
Motor — HP/R.P.M	1/5/825	1/4/825	1/3/825
Volts/Ph/Hz	208-230/1/60		
F.L. Amps/L.R Amps	LOCATED ON UNIT NAMEPLATE		
INDOOR FAN — TYPE	CONSTANT TORQUE ECM		
Dia. x Width (in.)	10.62 x 10.62		11.87 x 10.62
Drive/No. Speeds	DIRECT / 4		
CFM @ 0.0 in. w.g. ^(f)	SEE FAN PERFORMANCE TABLE		
Motor — HP / R.P.M.	1/2/1050	3/4/1050	1/1050
Volts/Ph/Hz	208-230/1/60		
F.L. Amps	LOCATED ON UNIT NAMEPLATE		
FILTER / FURNISHED	NO		
Type Recommended	THROWAWAY		
Recmd. Face Area (sq. ft) ^(g)	4.0	5.3	
REFRIGERANT	R-454B		
Charge (lbs.)	LOCATED ON UNIT NAMEPLATE		
Subcooling	12° F	12° F	8° F

^(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" W.C.



Supplementary Electric Heaters

UNIT MODEL	ELECTRIC HEATER MODEL	RATED VOLT-AGE	PHASE	AMPS	HEATER CAPACITY		NO. OF STAGES	KW/STAGE		MCA	MAX. FUSE OR HACR CKT BKR SIZE (a)	CANADA ONLY MAX. CKT BKR SIZE (b)
					KW	BTUH		1	2			
&TCC&024-060#1 &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&036+1 &WCZ&048+1 &WCZ&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

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

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

ALL VALUES ARE FOR THE ELECTRIC HEATER ONLY

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



Indoor Fan Performance (230V)

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.

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.

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]	-	-	-	-	-	-
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.

Indoor Fan Performance (230V)

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.

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.

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

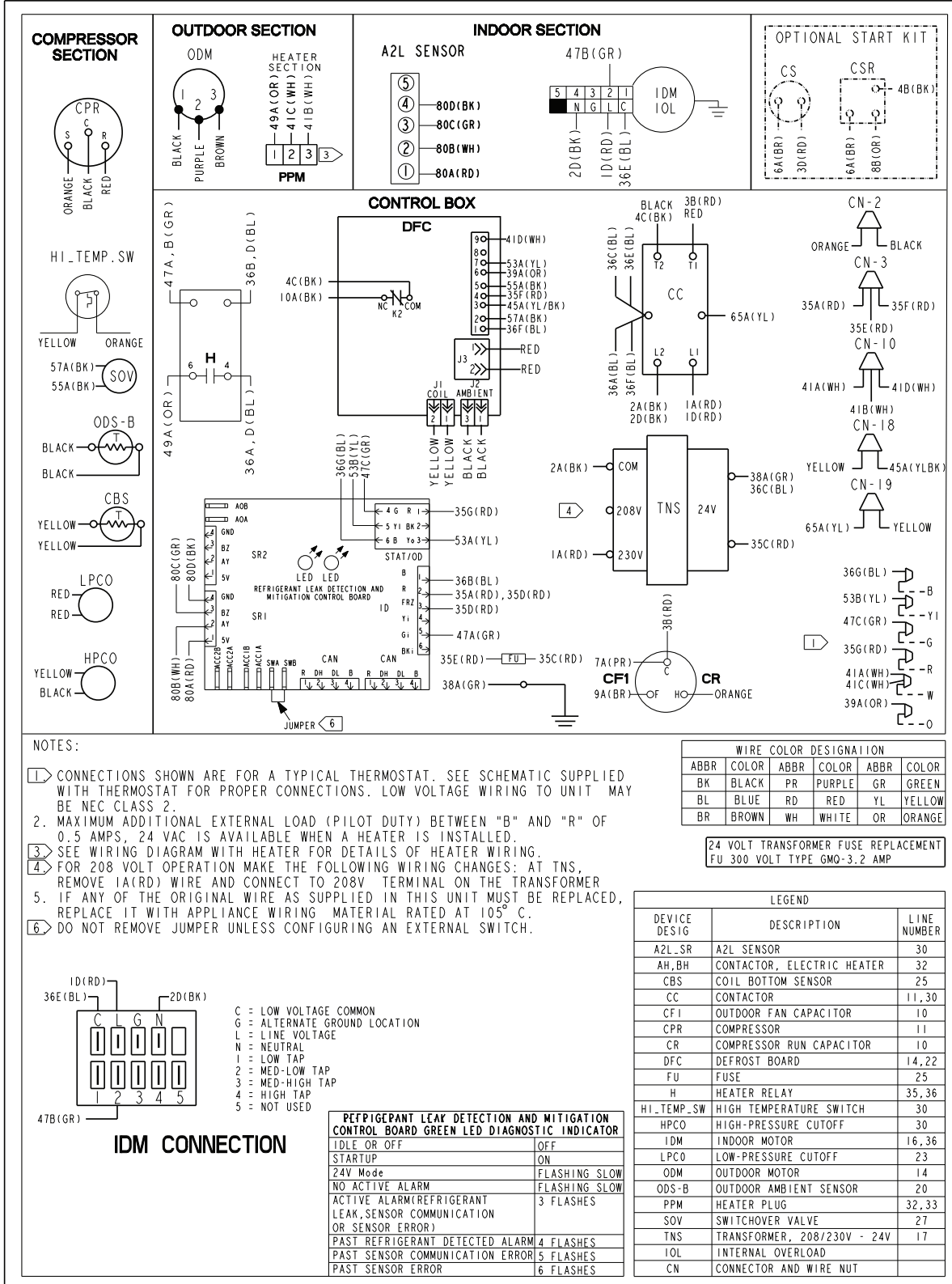


Figure 2. 5WCC4024A1-42A1

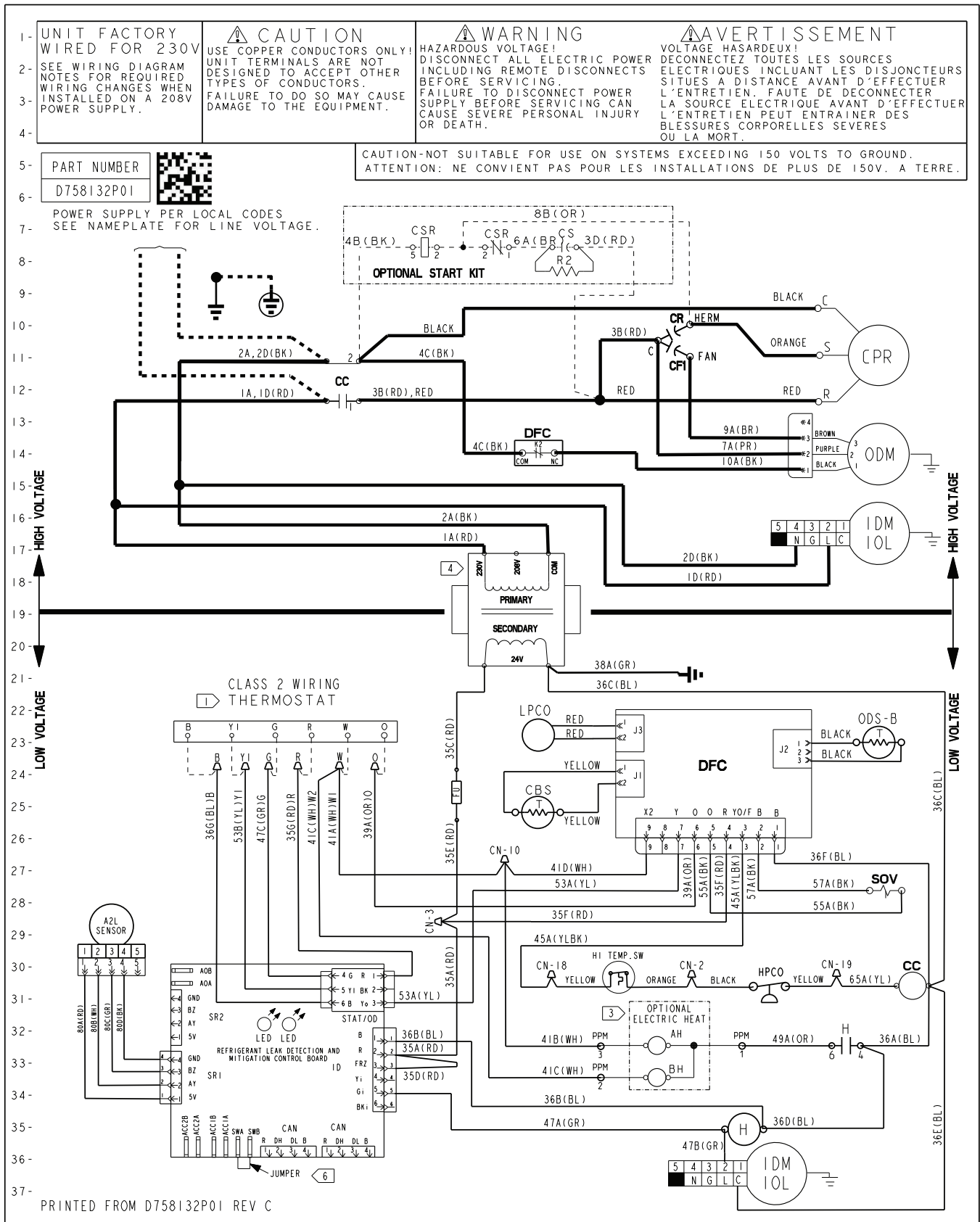


Figure 3. 5WCC4048A1

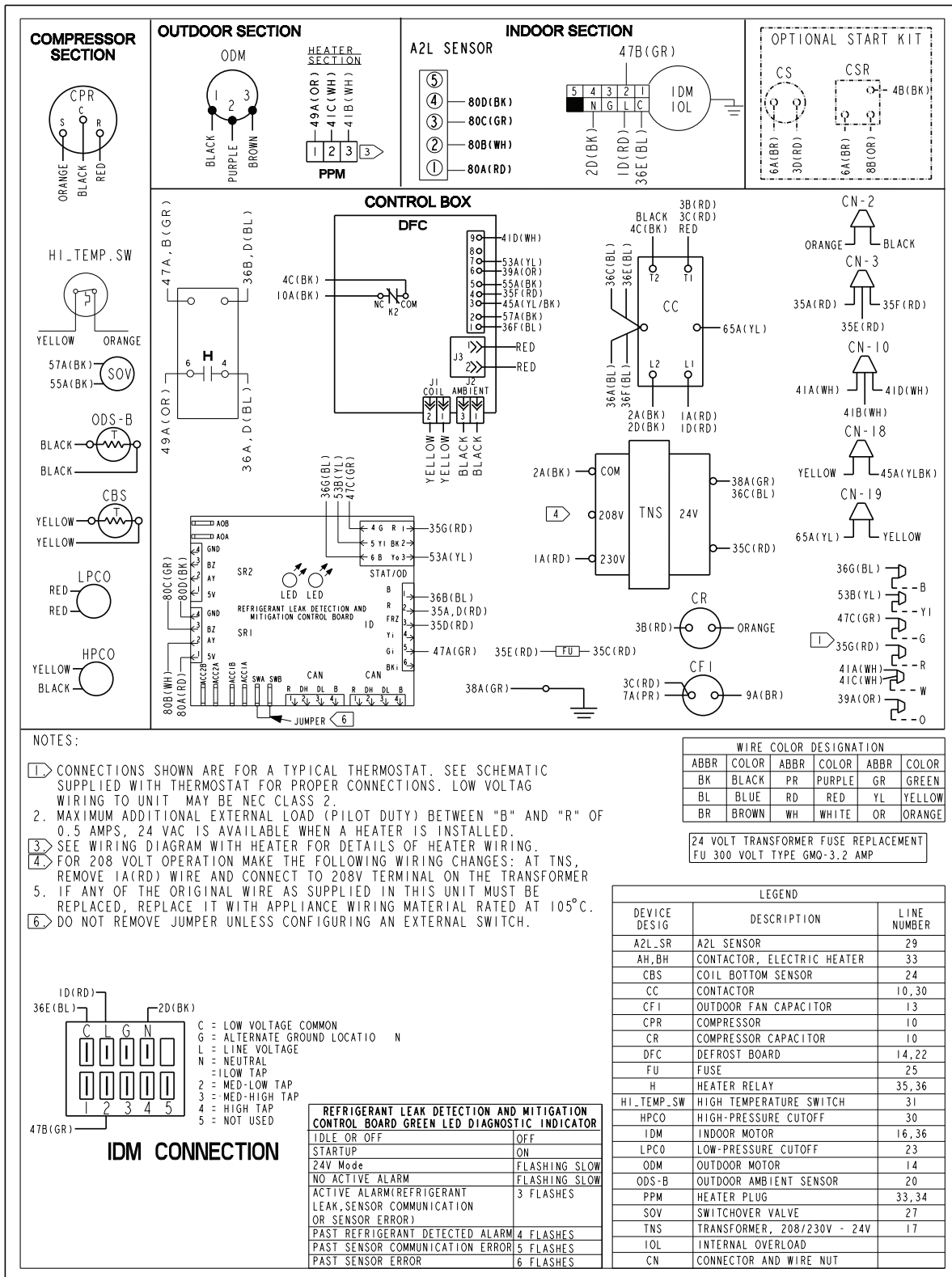


Figure 4. 5WCC4048A1

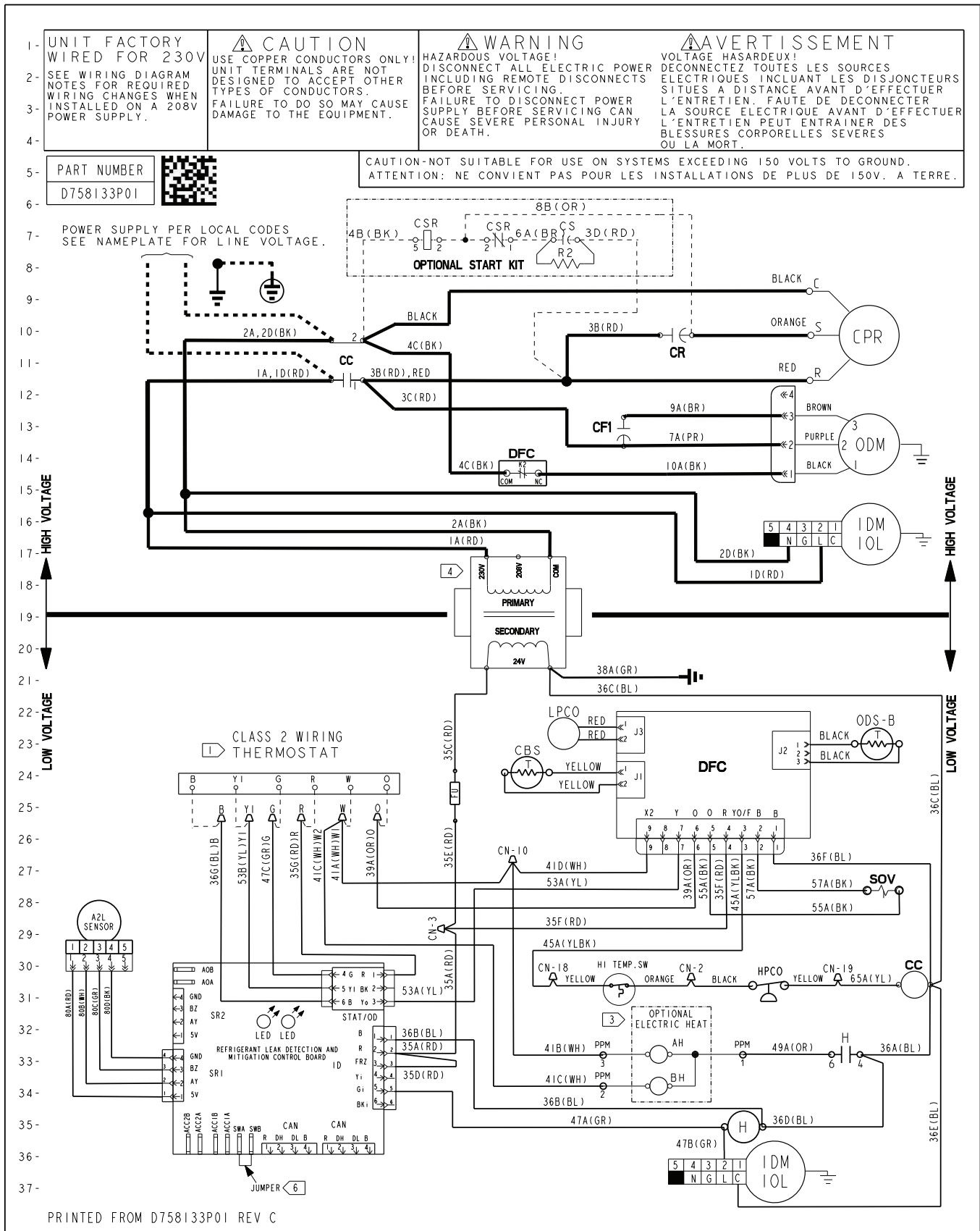


Figure 5. 5WCC4060A1

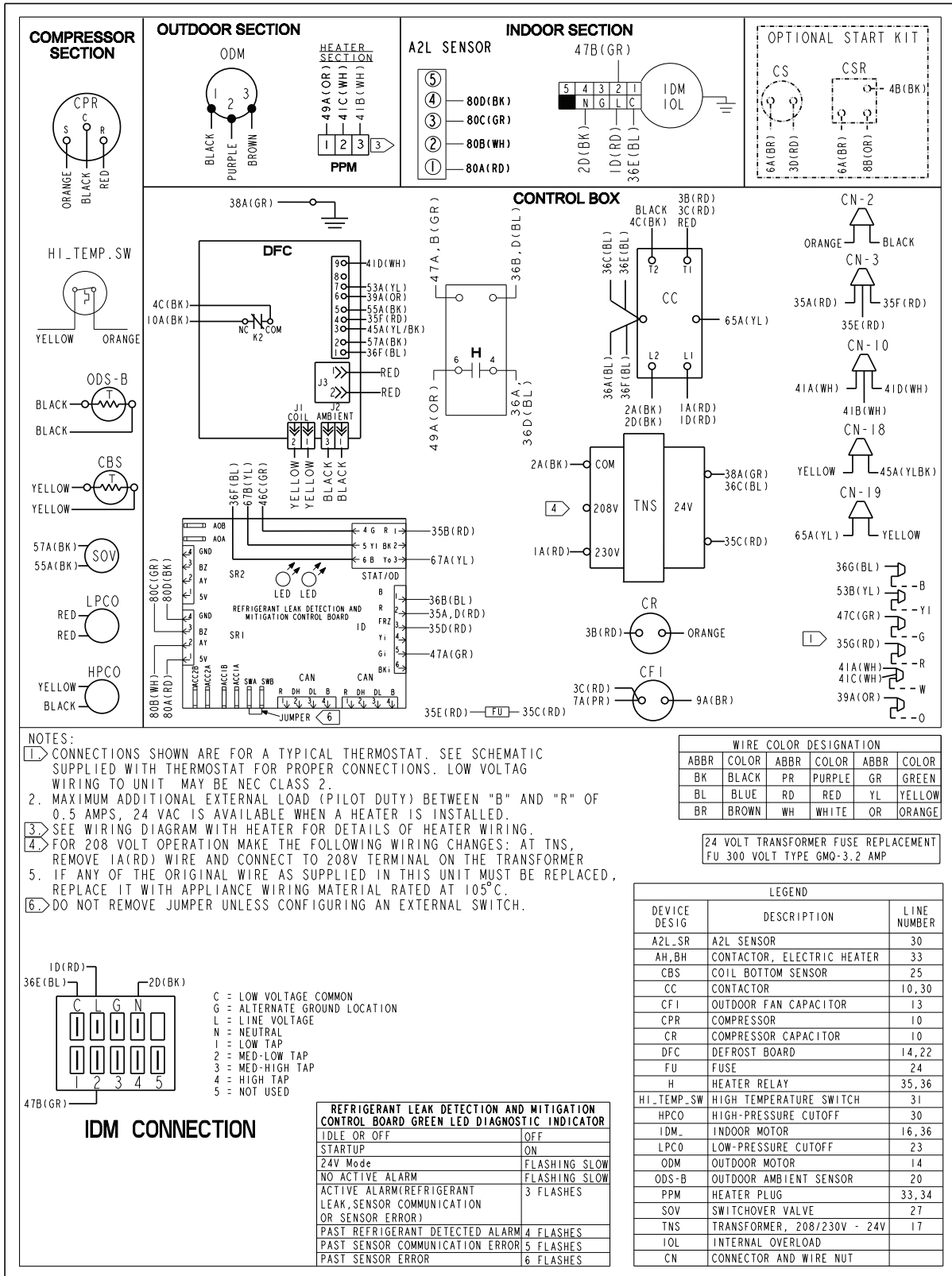


Figure 7. 5WCC4036A3-60A3

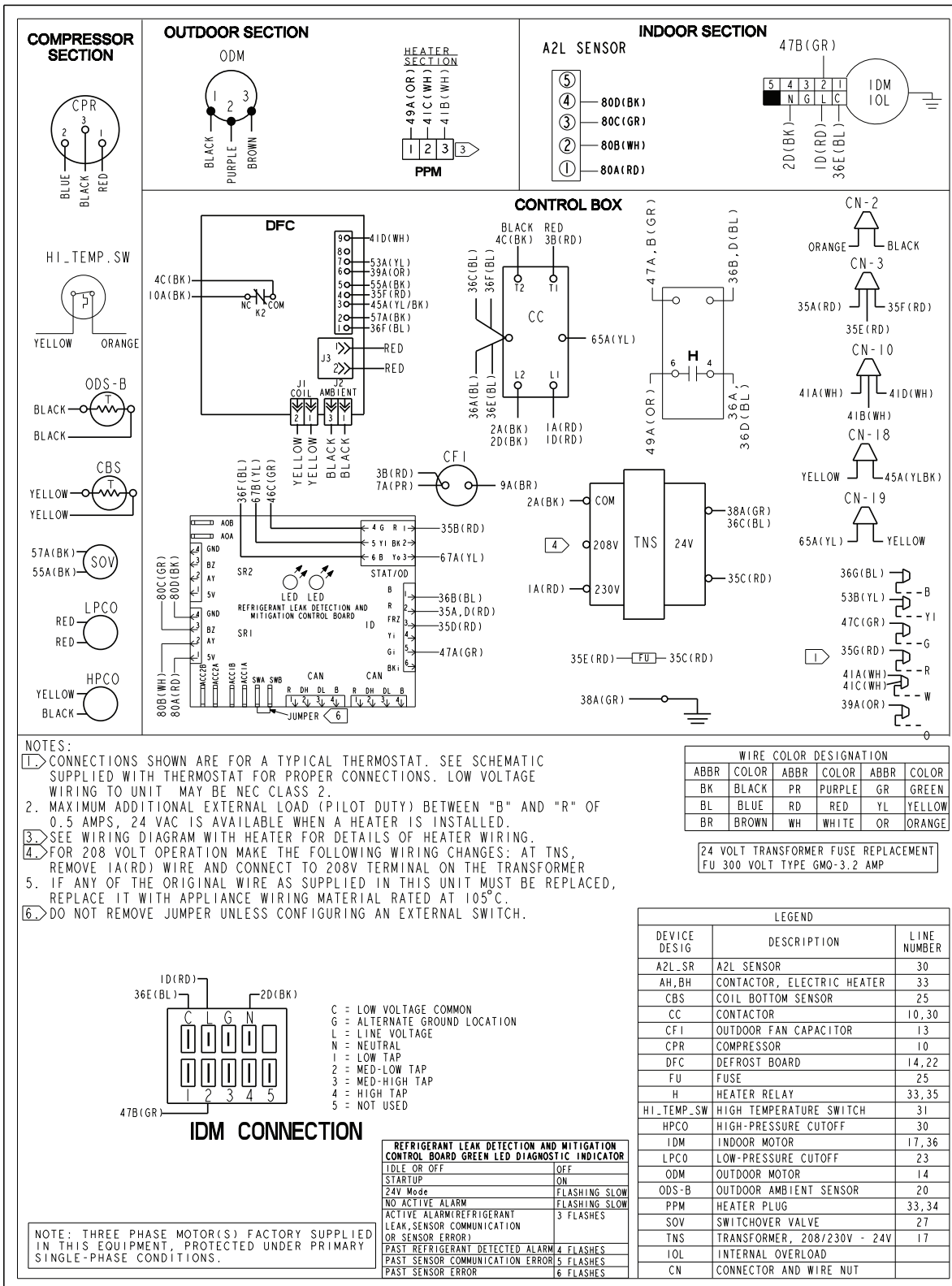
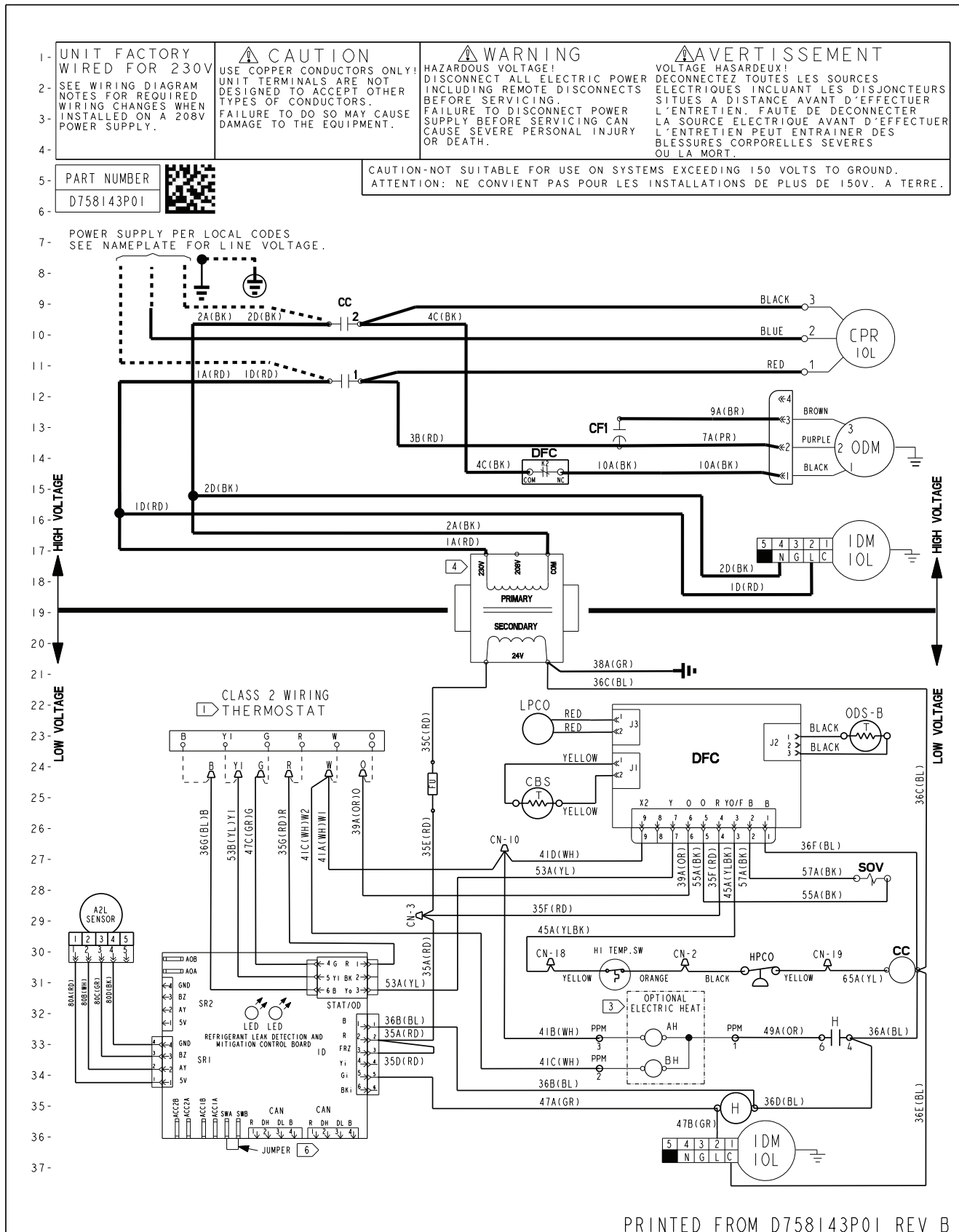


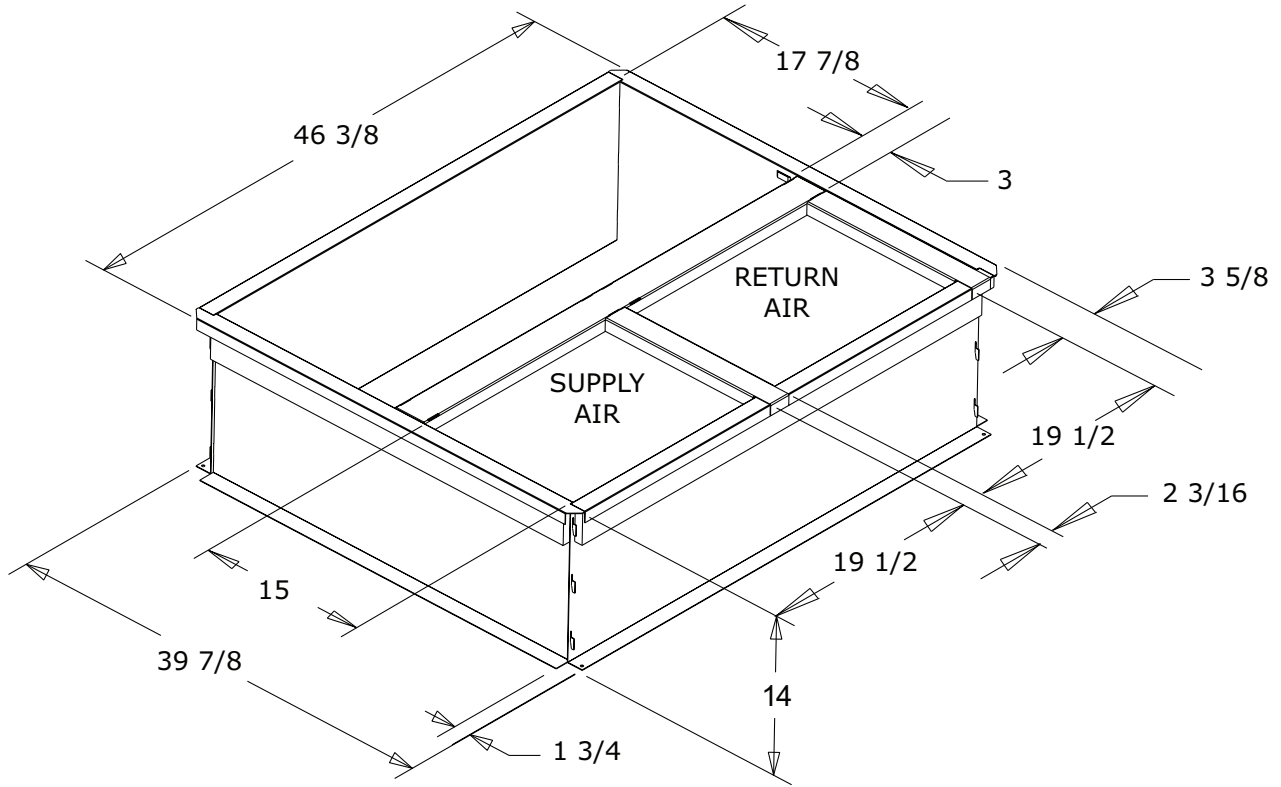
Figure 8. 5WCC4036A3-60A3



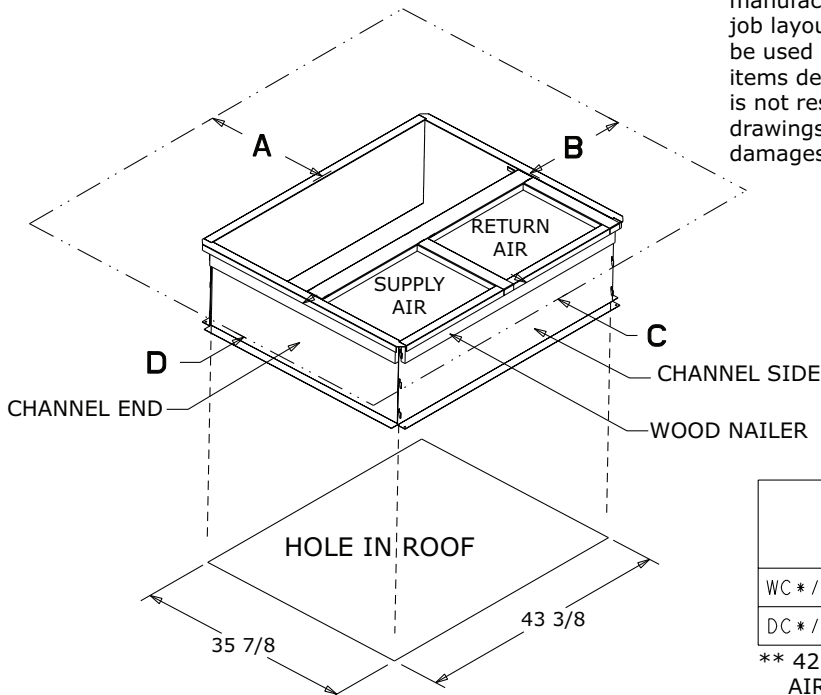
Full Perimeter Roof Mounting Curb

Figure 9. 2.0 – 3.0 Ton Models

BAYCURB050A Full Perimeter Roof Mounting Curb



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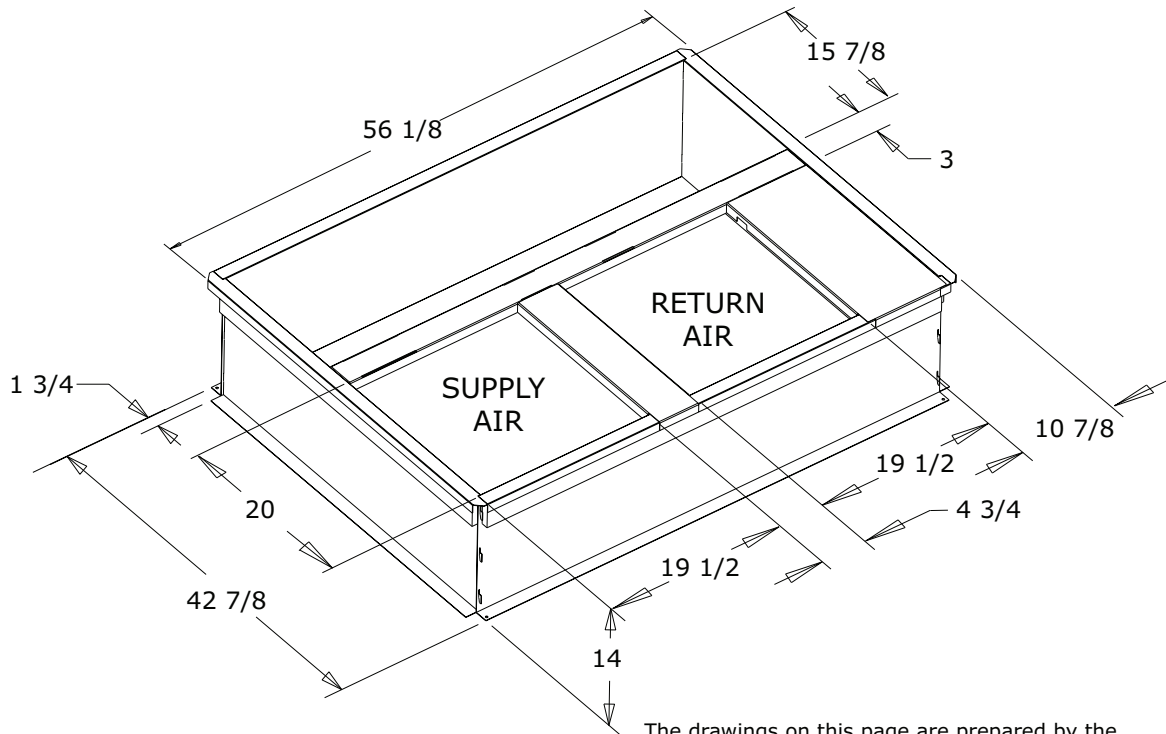


	SERVICE CLEARANCE DIMENSIONS			
	A	B	C	D
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

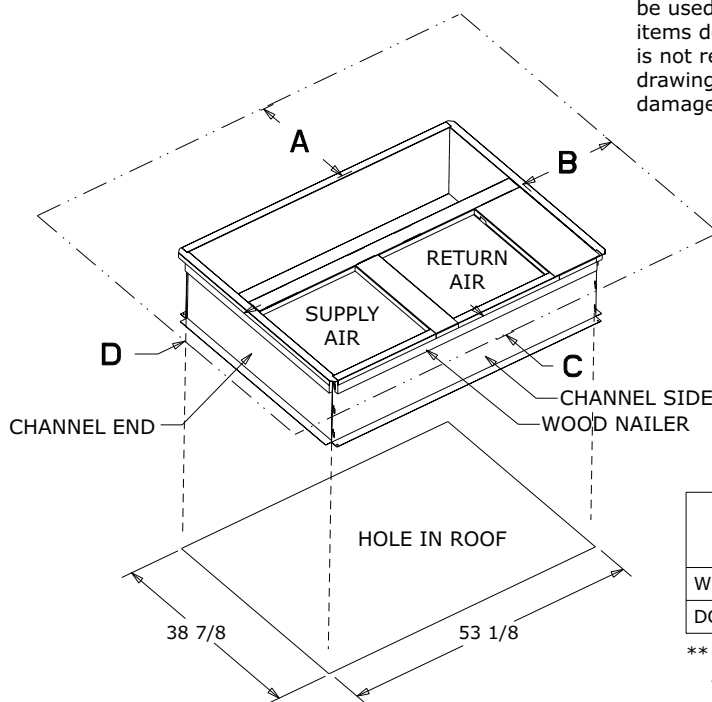
** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

Figure 10. 3.5 – 5.0 Ton Models

BAYCURB051A Full Perimeter Roof Mounting Curb



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	SERVICE CLEARANCE DIMENSIONS			
	A	B	C	D
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

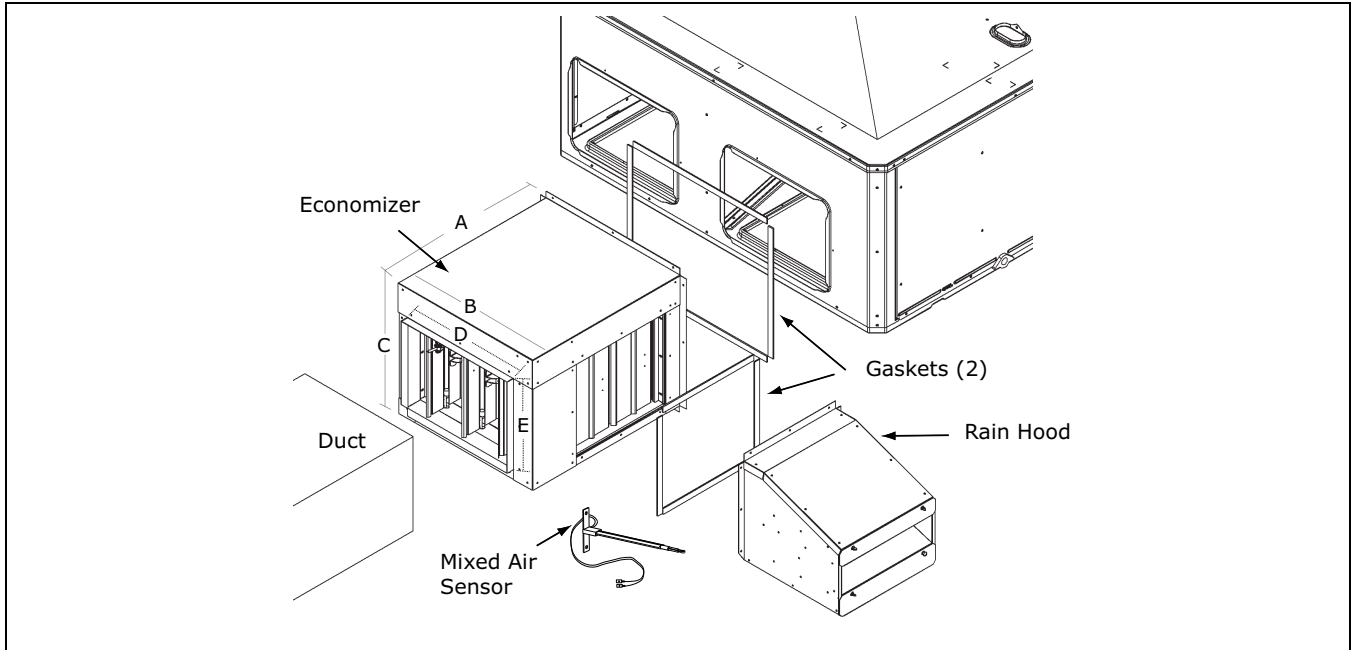
** 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

Optional Equipment – Economizer

Table 1. BAYECON105,106A Down Discharge Economizer and Rain Hood (Mounts Over Horizontal Return Air Opening)

	Economizer	Unit Application Models
	BAYECON105A	2.0 – 3.0 Ton Models
	BAYECON106A	3.5 – 5.0 Ton Models

Table 2. BAYCON205, 206A Horizontal Economizer and Rain Hood



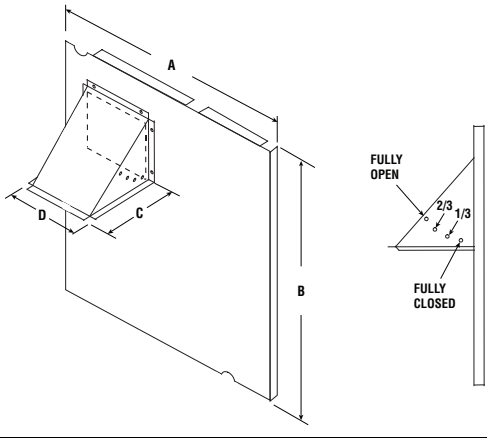
Economizer	Models	A	B	C	D	E	F
BAYECON205A	2.0 – 3.0 Ton	22"	20"	16-7/8"	15-11/16"	11-11/16"	15"
BAYECON206A	3.5 – 5.0 Ton	26"	22-21/32"	19"	17-11/16"	14-11/16"	21-3/8"

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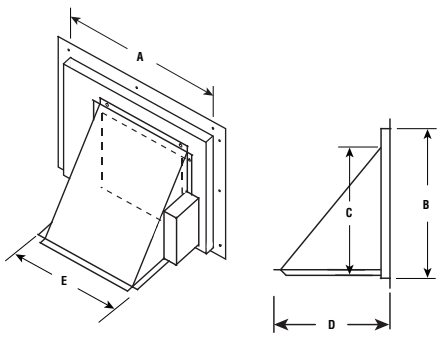


Optional Equipment – Outside Air Damper

**Table 3. BAYOSAH001 and 002A Outside Air Damper
(Replaces Filter/Coil Access Panel)**

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

**Table 4. BAYDMPR101 and 102A, 25% Motorized Outside Air Damper
(Mounts Over Horizontal Return Air Opening)**

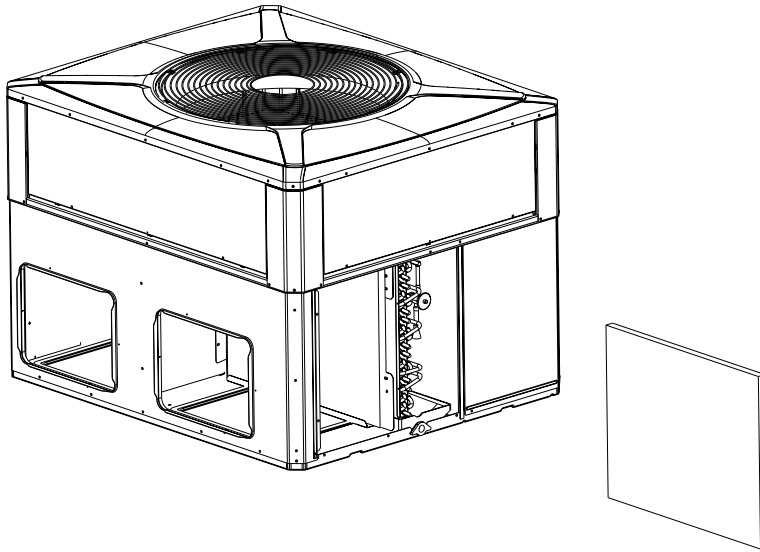
	Manual Fresh Air Model	Unit Application Models	A	B	C	D	E
	BAYDMPR101A	2.0 – 3.0 Ton	15-13/16"	11-13/16"	10-1/4"	11-1/2"	12-1/4"
BAYDMPR102A	3.5 – 5.0 Ton	18-3/16"	15-1/8"	10-1/4"	11-1/2"	12-1/4"	

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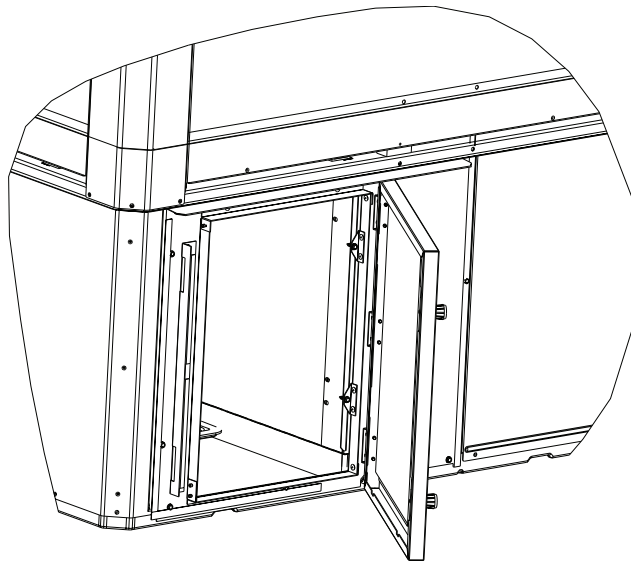


Optional Equipment — Filter Rack

**Figure 11. BAYFLTR101 Filter Rack (2.0 – 3.0 Ton Models)
BAYFLTR201 (3.5 – 5.0 Ton Models)
(Mounts in Filter/Coil Section)**



**Figure 12. BAYACCDOR1A Hinged Filter Access Door (2.0 – 3.0 Ton Models)
BAYACCDOR2A (3.5 – 5.0 Ton Models)
Replaces Filter/Coil Access Panel**



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Determine Unit Clearances

Figure 13. Space on Sides Requirements

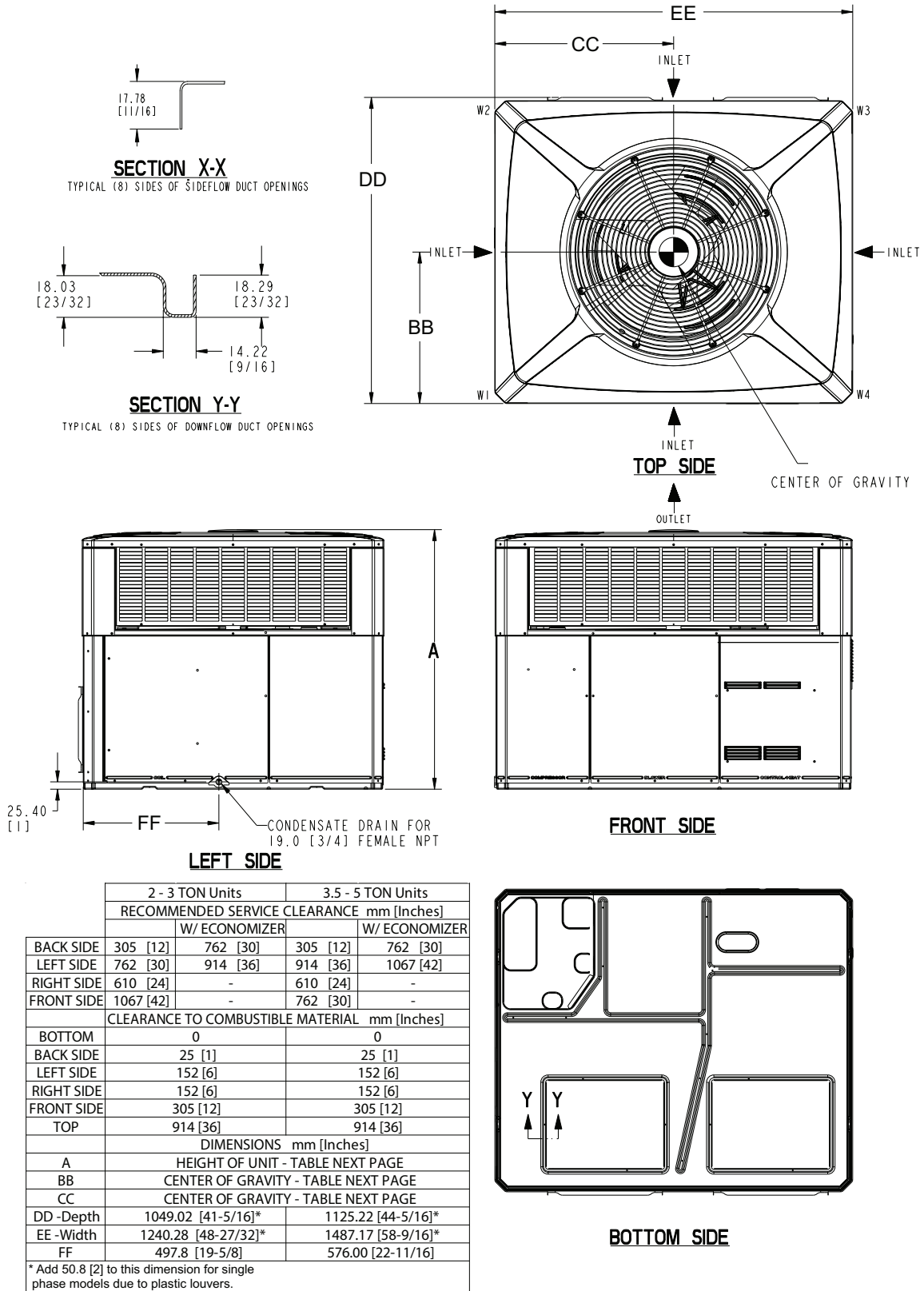
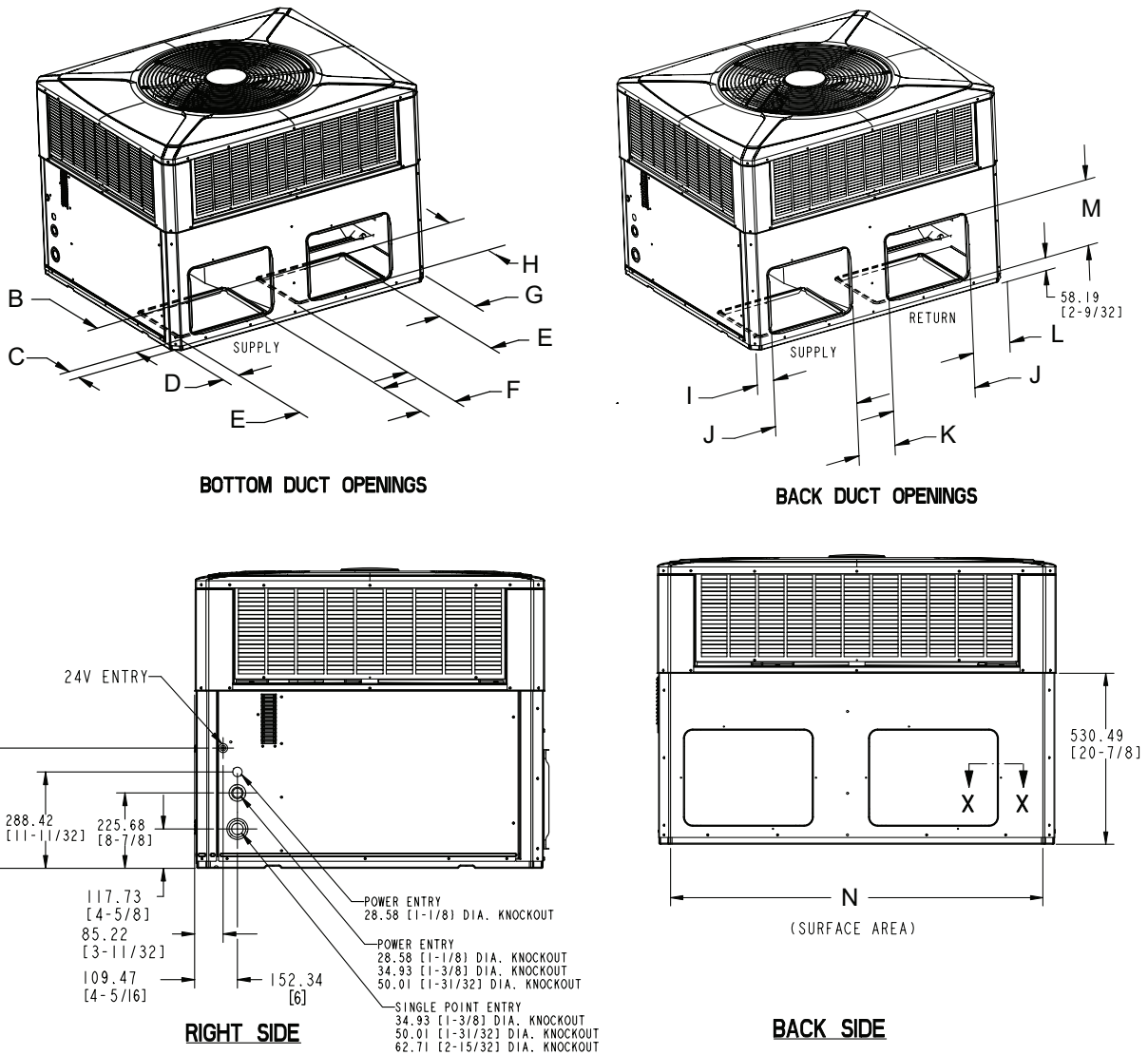


Figure 14. Bottom and Back Duct Openings



	Height mm[in]	PHYSICAL DIMENSIONS mm[in]												
	A-Height	B	C	D	E	F	G	H	I	J	K	L	M	N
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 [6.8]	304.80 [12]	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]													

	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]
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]



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 Standard 1995. 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" 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" 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.



Mechanical Specifications

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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