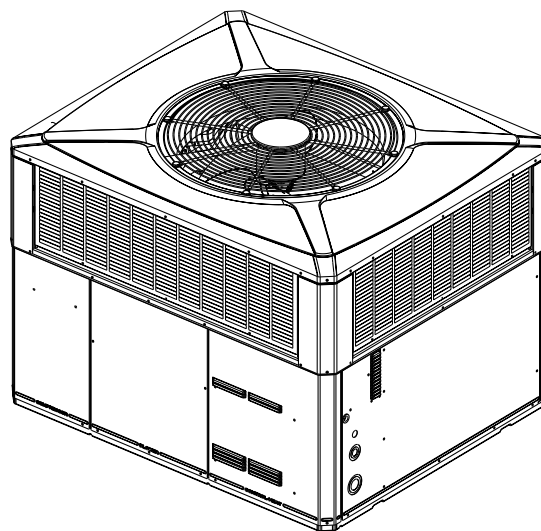




Product and Submittal Data

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

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



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



Introduction

Single Packaged Cooling Systems are easy and versatile to install.

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

Single Packaged Cooling Systems are unmatched in quality and reliability.

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

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Data Notes

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

Table 1. Data notes

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



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Optional Equipment Listing

Table 2. Optional equipment listing

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

Table 2. Optional equipment listing (continued)

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

(a) * = T, W, or Y

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

(c) Dry bulb control standard with economizer.

(d) Downflow only.

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



Product Specification

Table 3. Product specification

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

Table 3. Product specification (continued)

MODEL	5TCC4024	5TCC4030	5TCC4036	5TCC4042	5TCC4048	5TCC4060
Volts/Ph/Hz	208–230/1/60					
F.L. Amps	LOCATED ON UNIT NAMEPLATE					
FILTER / FURNISHED	NO					
Type Recommended	THROWAWAY					
Recmd. Face Area (sq. ft) ⁽⁹⁾	4.0			5.3		
REFRIGERANT	R-454B					
Charge (lbs.)	LOCATED ON UNIT NAMEPLATE					
CHARGING SPECIFICATIONS						
Subcooling	12°F	10°F	12°F	12°F	10°F	13°F
DIMENSIONS	H X W X L					
Crated (in.)	46 X 45 X 52	48 X 45 X 52	48 X 45 X 52	46 X 47 X 62	50 X 47 X 61	50 X 47 X 61
WEIGHT						
Shipping (lbs.) / Net (lbs.)	436 / 362	454 / 380	458 / 384	564 / 460	563 / 459	588 / 484

^(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

Table 4. Supplementary electric heaters

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

Table 4. Supplementary electric heaters (continued)

UNIT MODEL	ELECTRIC HEATER MODEL	RATED VOLT-AGE	PHASE	AMPS	HEATER CAPACITY		NO. OF STAGES	KW/STAGE		MCA	MAX. FUSE OR HACR CKT BKR SIZE ^(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.



BAYSPEK - Single Power Entry Kit

Table 5. BAYSPEK — Single power entry kit

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



Indoor Fan Performance (230v)

Table 6. Indoor fan performance - model 5TCC4024A

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

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

^(a) Factory Default Setting.

Table 7. Indoor fan performance - model 5TCC4030A

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

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

^(a) Factory Default Setting.



Indoor Fan Performance (230v)

Table 8. Indoor fan performance - model 5TCC4036A

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

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

^(a) Factory Default Setting.

Table 9. Indoor fan performance - model 5TCC4042A

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

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

^(a) Factory Default Setting.

Table 10. Indoor fan performance - model 5TCC4048A

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

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

^(a) Factory Default Setting.

Table 11. Indoor fan performance - model 5TCC4060A

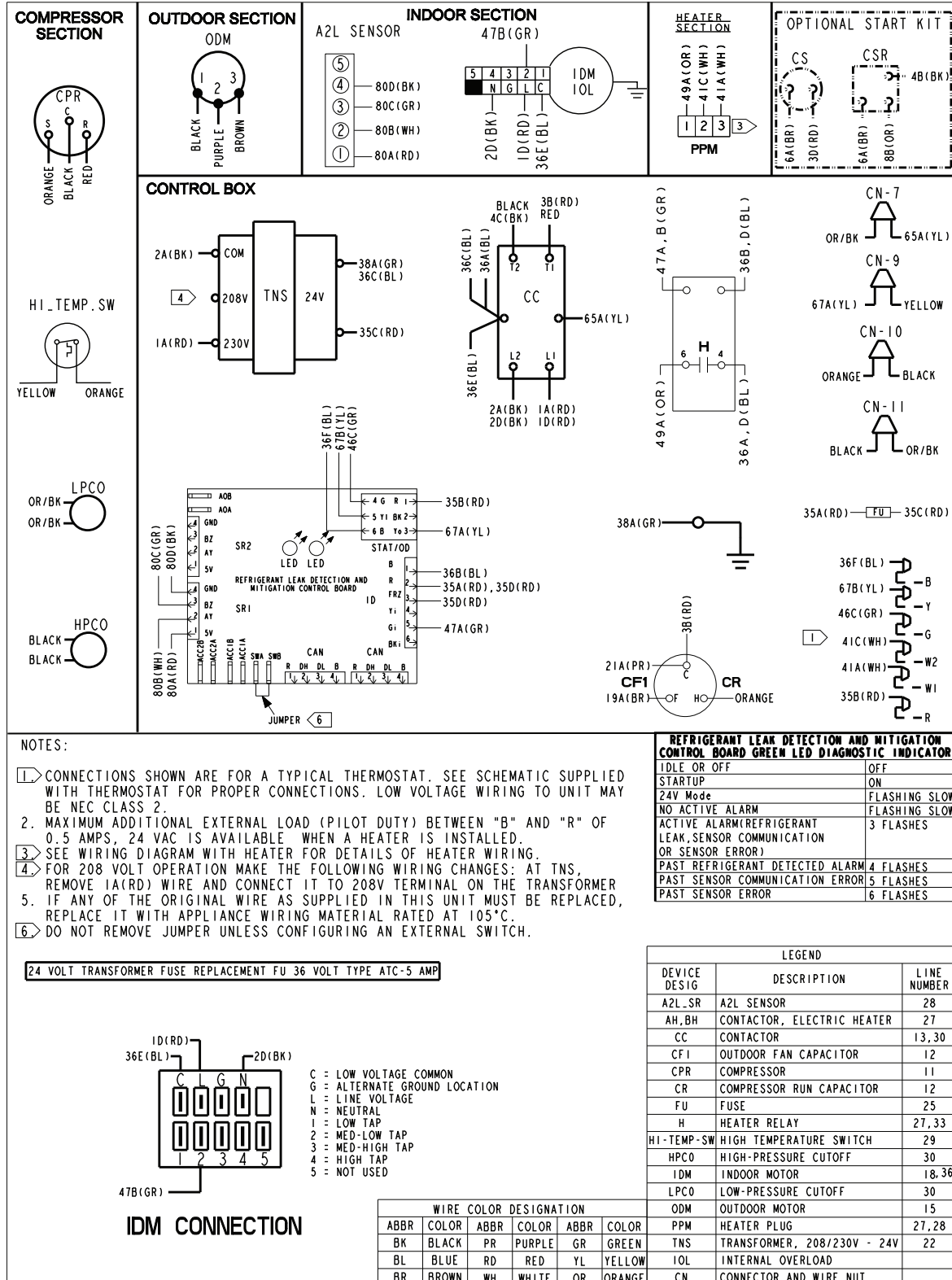
EXTERNAL STATIC PRESSURE (IN.WG) Horizontal Airflow [Cooling Down Airflow]												
Motor Speed		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
LOW	Watts	515 [524]	523 [533]	533 [545]	544 [558]	-	-	-	-	-	-	-
	CFM	1857 [1831]	1831 [1802]	1800 [1765]	1766 [1728]	-	-	-	-	-	-	-
MED- LOW ^(a)	Watts	594 [611]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

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

^(a) Factory Default Setting.

Wiring Diagrams

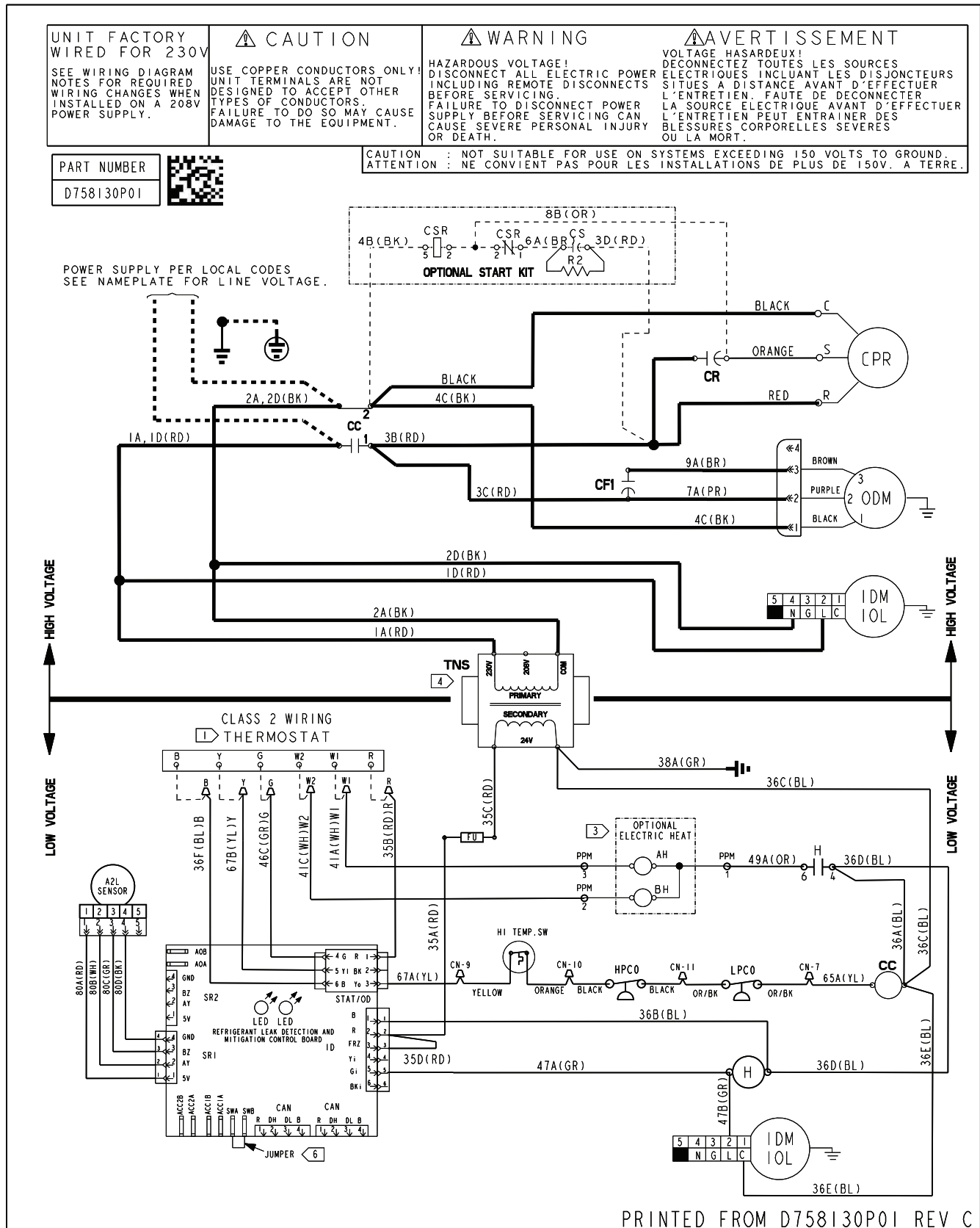
Figure 1. 5TCC4024-42



[illegible]



Figure 4. 5TCC4048



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Figure 5. 5TCC4060

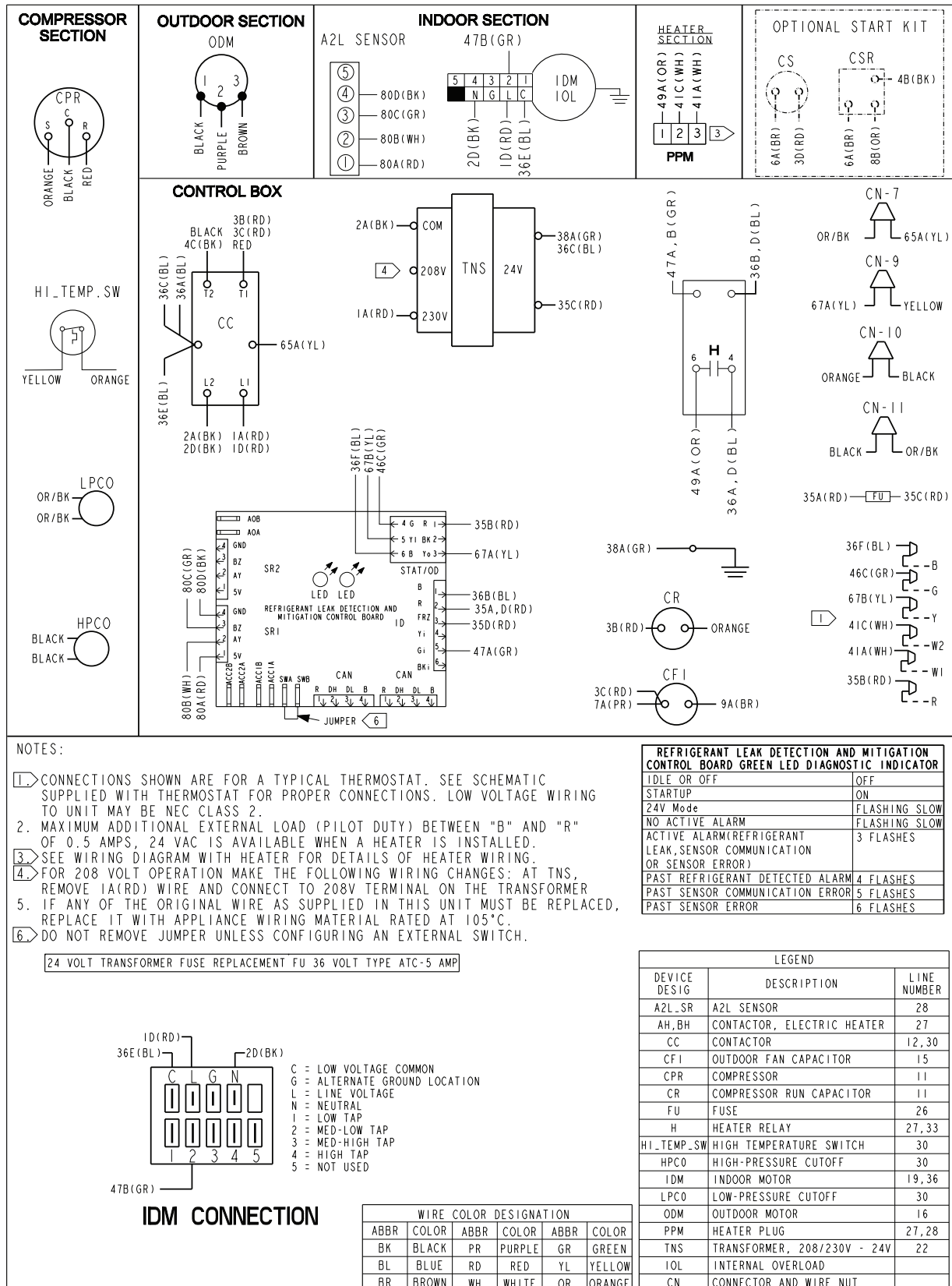
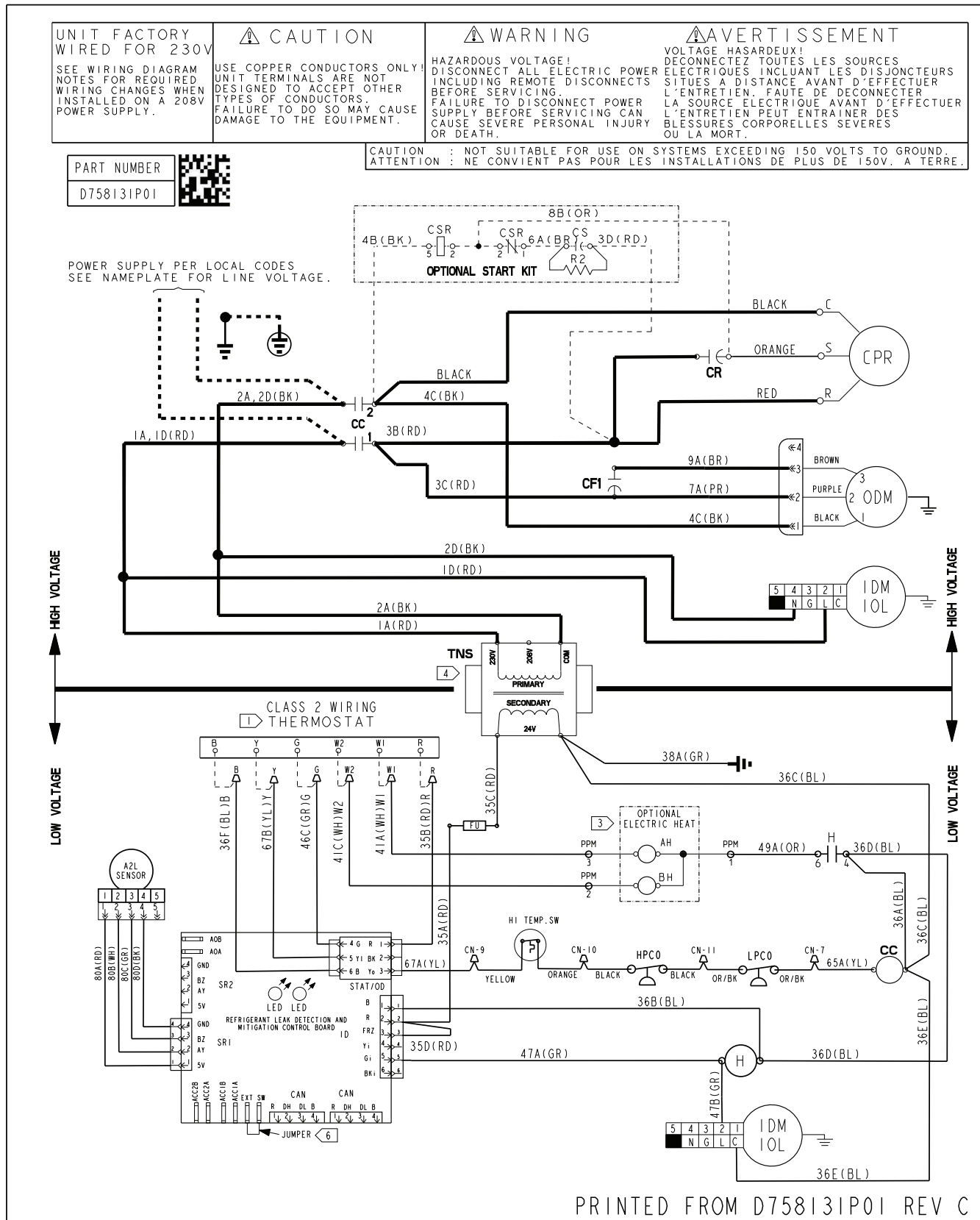


Figure 6. 5TCC4060



Full Perimeter Roof Mounting Curb

Figure 7. 2.0 to 3.0 ton models

BAYCURB050B Full Perimeter Roof Mounting Curb

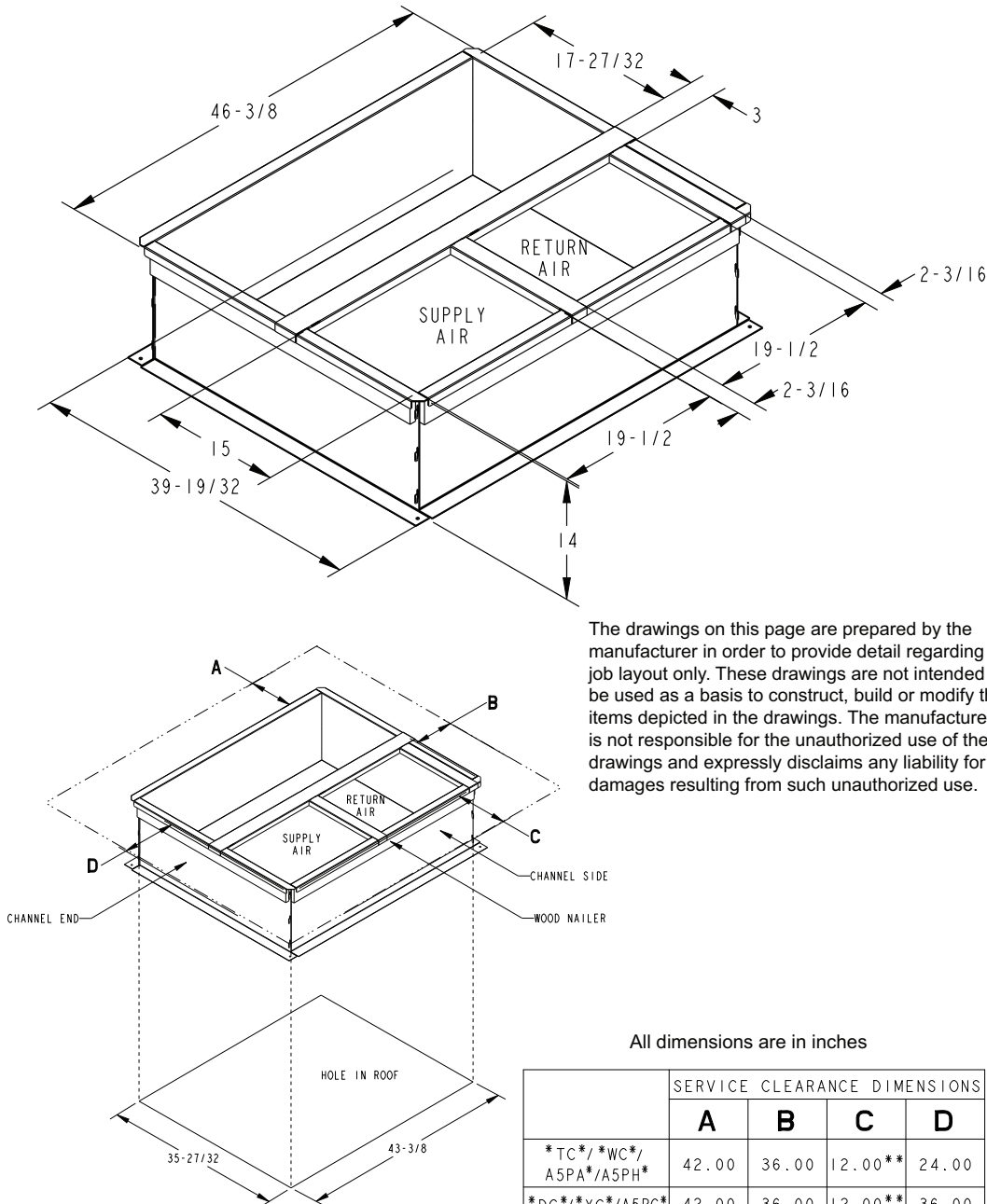
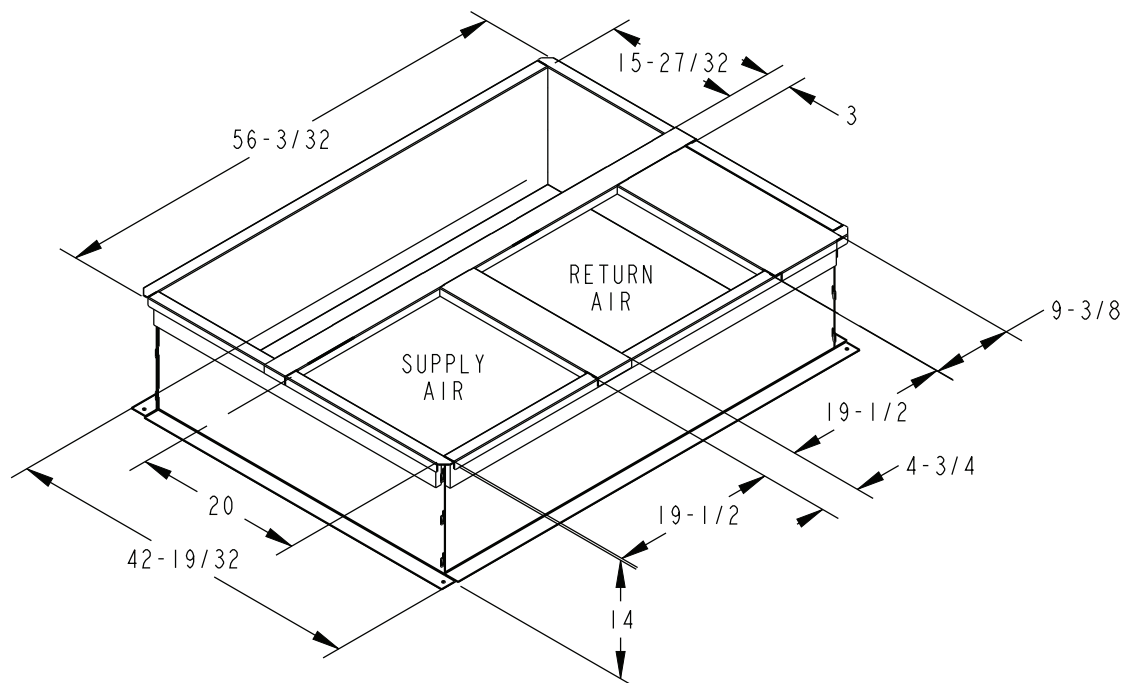
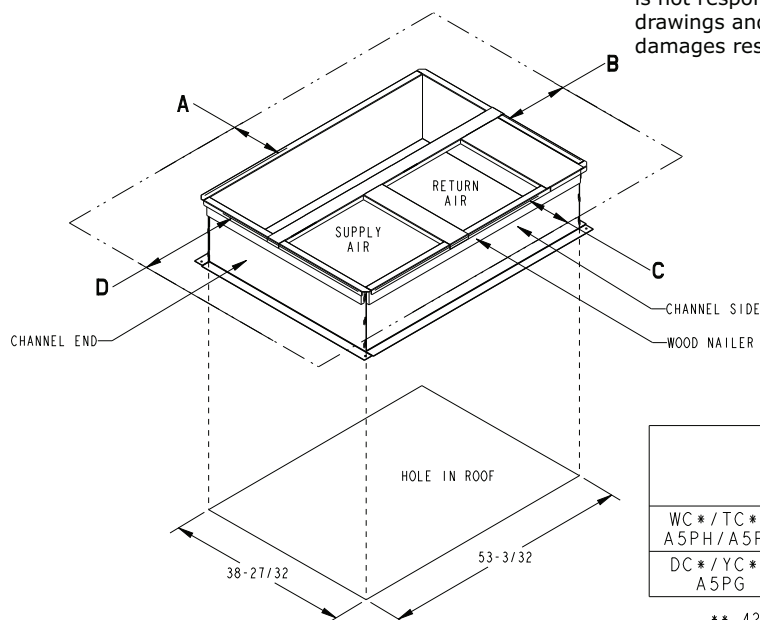


Figure 8. 3.5 to 5.0 ton models
BAYCURB051B Full Perimeter Roof Mounting Curb


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	SERVICE CLEARANCE DIMENSIONS			
	A	B	C	D
WC*/TC*/A5PH/A5PA	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

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

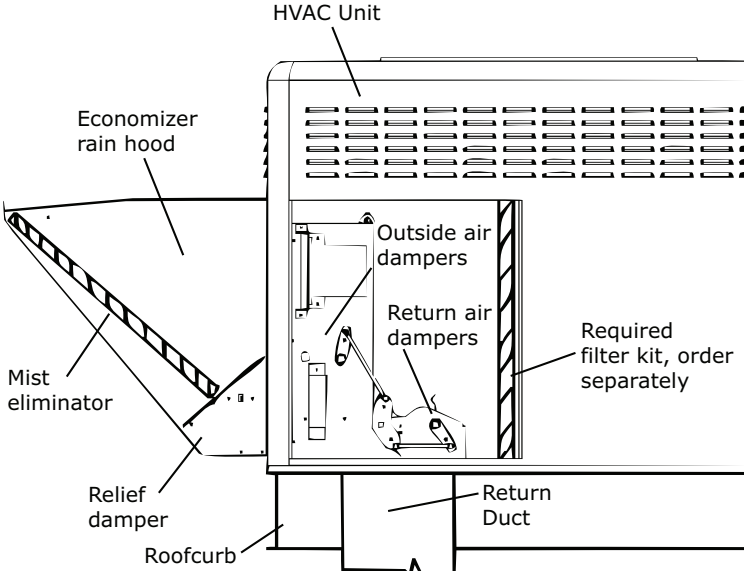
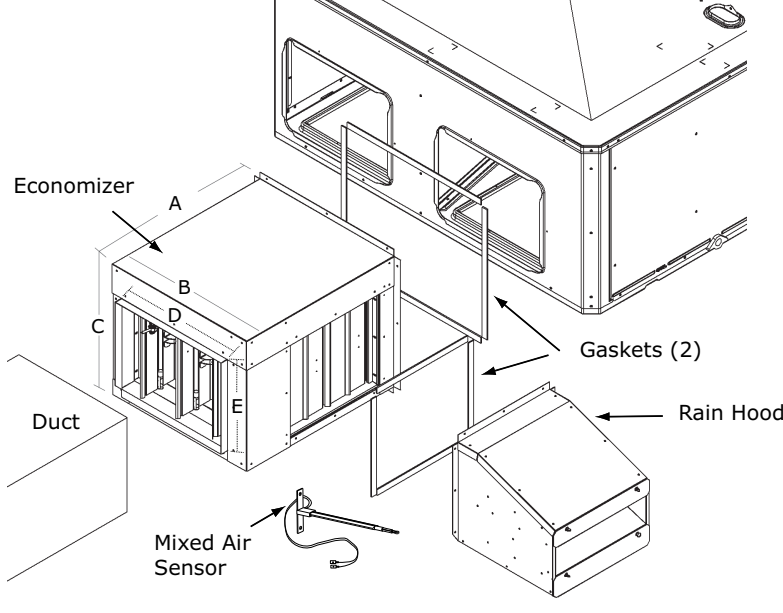
	Economizer	Unit Application Models
	BAYECON105A	2.0 — 3.0 Ton Models
	BAYECON106A	3.5 — 5.0 Ton Models

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

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

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Optional Equipment — Outside Air Damper

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

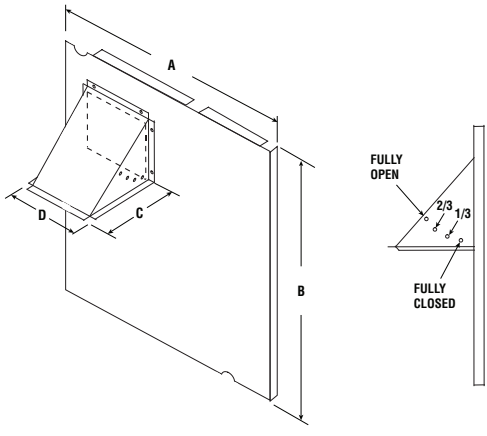
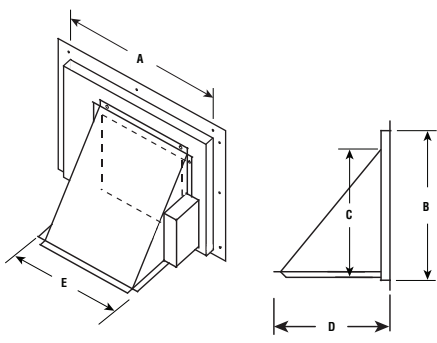
	Manual Fresh Air Model	Unit Application Models	A	B	C	D
	BAYOSAH001A	2.0 — 3.0 Ton	22-7/16"	20-11/16"	12-3/8"	9-3/16"
	BAYOSAH002A	3.5 — 5.0 Ton	25-3/16"	20-11/16"	12-3/8"	9-3/16"

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

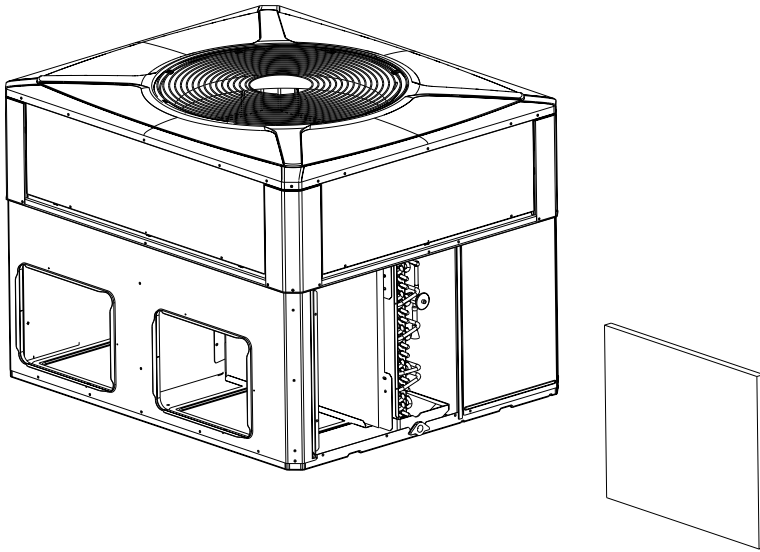
	Manual Fresh Air Model	Unit Application Models	A	B	C	D	E
	BAYDM-PR101A	2.0 — 3.0 Ton	15-13/16"	11-13/16"	10-1/4"	11-1/2"	12-1/4"
	BAYDM-PR102A	3.5 — 5.0 Ton	18-3/16"	15-1/8"	10-1/4"	11-1/2"	12-1/4"

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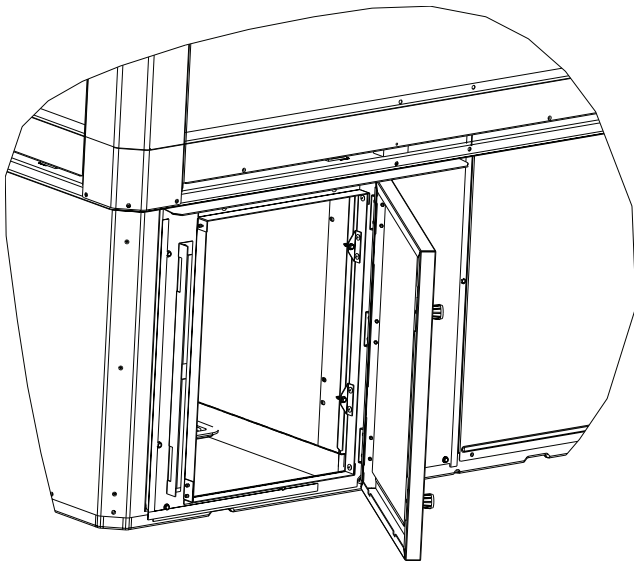


Optional Equipment — Filter Rack

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



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



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Dimensional Data

Figure 11. Space on sides requirements

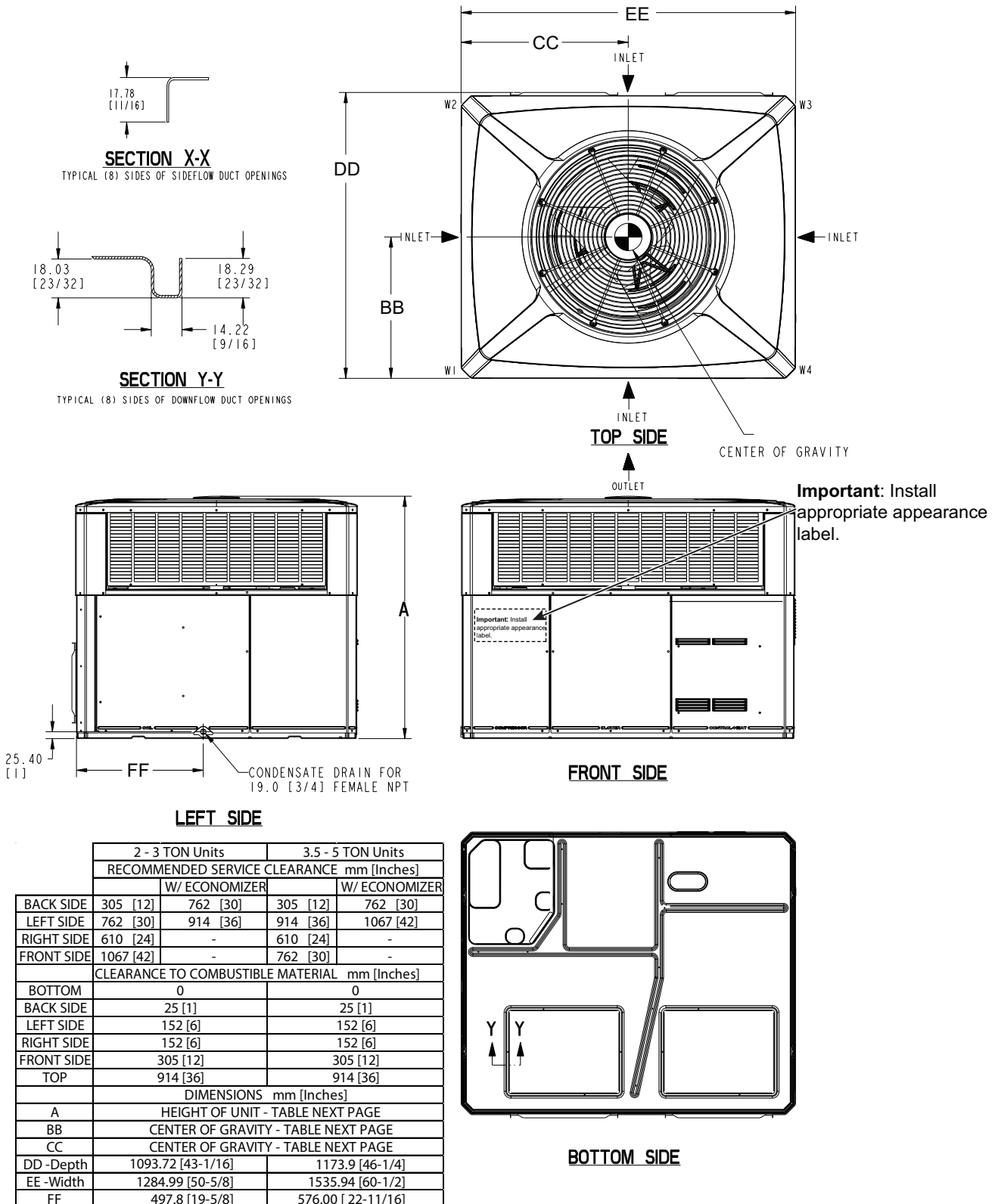
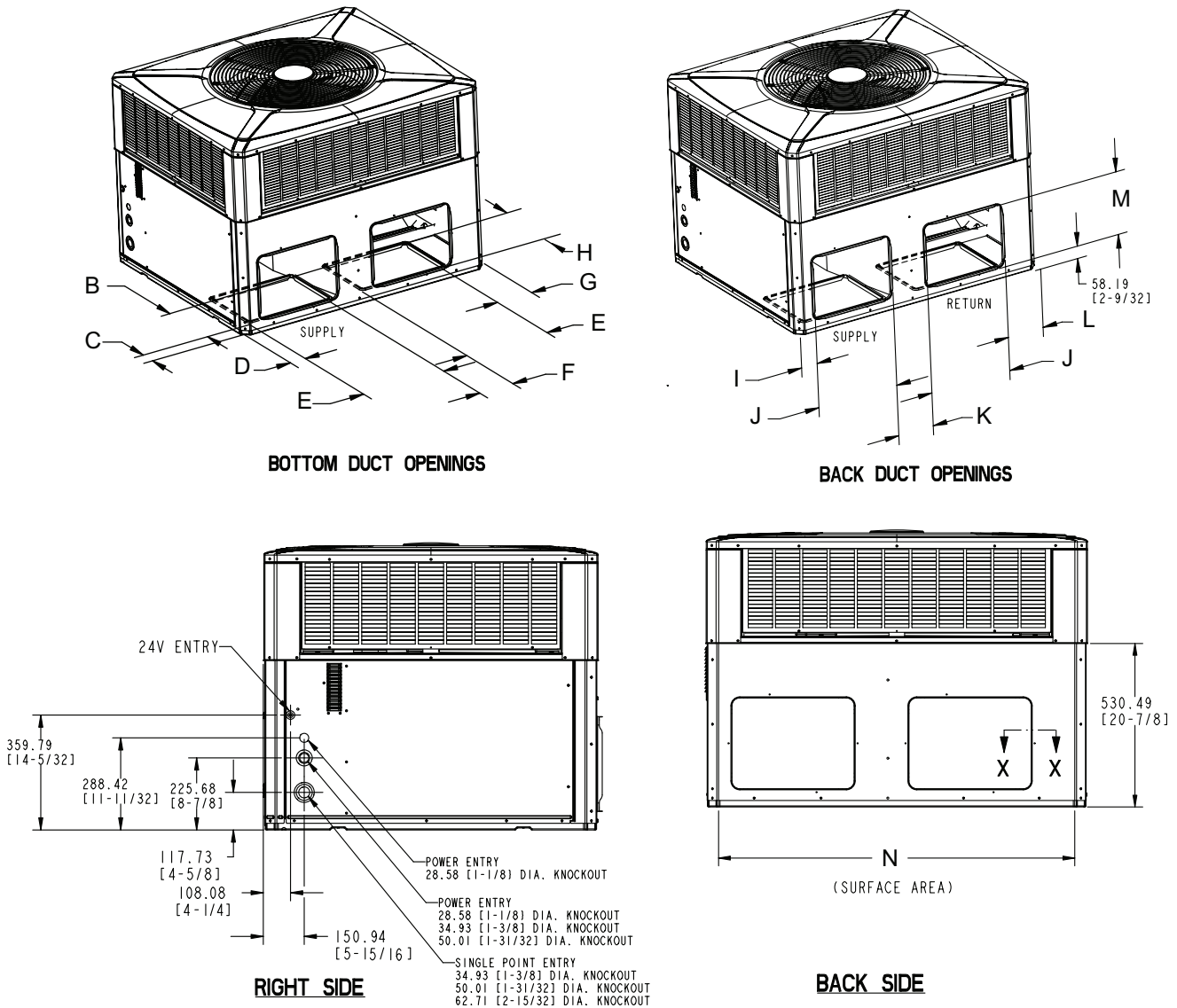


Figure 12. Bottom and back duct Openings



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

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



Mechanical Specifications

General

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

Unit Casing

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

Compressor

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

Refrigeration System

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

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

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

Condenser Coil

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

Indoor Air Fan

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

Outdoor Fan

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

System Controls

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

Accessories Roof Curb

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



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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