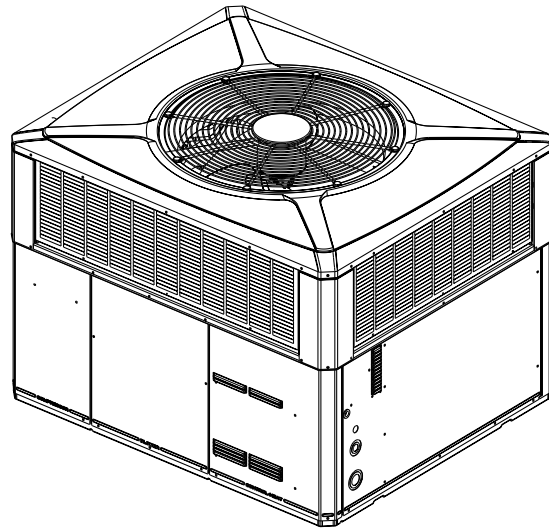




# Product Data

## Single Packaged Cooling/Electric Heat 15 SEER Convertible, 2–5 Ton

4TCY5024A1000A  
4TCY5030A1000A  
4TCY5036A1000A  
4TCY5042A1000A  
4TCY5048A1000A  
4TCY5060A1000A



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



# Table of Contents

Single Packaged Cooling/Electric Heat System.....	3
Product Specifications .....	4
Indoor Fan Performance (230v) .....	6
Supplementary Electric Heater.....	9
Wiring .....	11
Full Perimeter Roof Mounting Curb.....	17
Optional Equipment — Filter Rack .....	19
Optional Equipment — Outside Air Damper .....	20
Outline Drawing .....	21
Mechanical Specifications .....	25



# Single Packaged Cooling/Electric Heat System

**Introducing the new Trane Single Cooling/Electric Heat System**

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

Because cooling and air handling functions are all contained in a single cabinet, Trane packaged air conditioners 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 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.



# Product Specifications

MODEL	4TCY5024A1000A	4TCY5030A1000A	4TCY5036A1000A	4TCY5042A1000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Performance Cooling BTUH <sup>(a)</sup>	23800	28400	36000	40500
Indoor Airflow (CFM)	815	875	1035	1350
Power Input (KW)	1.81	2.12	2.74	3.01
EER/SEER (BTU/Watt-Hr.) <sup>(b)</sup>	12.0 / 15.00	12.0 / 15.00	12.0 / 15.00	12.0 / 15.0
Sound Power Rating [dB(A)] <sup>(c)</sup>	65	70	69	71
<b>POWER CONN. — V/Ph/Hz</b>	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity <sup>(d)</sup>	18.4	21.2	23.8	28.6
Fuse Size — Max. (amps)	25	30	35	45
Fuse Size — Recmd. (amps)	25	30	35	45
<b>COMPRESSOR</b>	SCROLL	SCROLL	SCROLL	SCROLL
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
R.L. Amps — L.R. Amps	10.9 / 63	12.8/68	14.7/75	16.7/109
<b>OUTDOOR COIL — TYPE</b>	SPINE-FIN	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I	2/24	2 / 24	2 / 24	2 / 24
Face Area (sq. ft.)	13.32	15.49	15.49	23.57
Tube Size (in.)	3/8	3/8	3/8	3/8
<b>INDOOR COIL — TYPE</b>	MCHE	MCHE	PLATE FIN	MCHE
Rows/F.P.I	2/16	2 / 16	4 / 15	2 / 16
Face Area (sq. ft.)	2.7	2.7	3.54	3.9
Tube Size (in.)	0.81	0.81	3/8	0.81
Refrigeration Control	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
<b>OUTDOOR FAN — TYPE</b>	PROPELLER	PROPELLER	PROPELLER	PROPELLER
DIA. (IN.)	23.4	23.4	23.4	28.2
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. <sup>(e)</sup>	2570	2800	3080	4200
Motor — HP/R.P.M	1/12 / 810	1/6 / 825	1/5 / 825	1/6 / 830
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R Amps	0.54 / 0.95	.85 / 1.65	1.1 / 2.0	0.9 / 1.65
<b>INDOOR FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia. x Width (in.)	10 X 10	10 X 10	10 X 10	10 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM <sup>(f)</sup>	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERF TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	1/2 VARIABLE	1/2 VARIABLE	1/2 VARIABLE	3/4 / VARIABLE
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps	4.3	4.3	4.3	6.8
<b>FILTER / FURNISHED</b>	NO	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft) <sup>(g)</sup>	4.0	4.0	4.0	5.3
<b>REFRIGERANT</b>	R-410A	R-410A	R-410A	R-410
Charge (lbs.)	5.40	7.38	7.00	8.20
<b>CHARGING SPECIFICATIONS</b>				
Subcooling	10°	8°	6°	10°
<b>DIMENSIONS</b>	H X D X W	H X D X W	H X D X W	H X D X W
Crated (in.)	46 X 45 X 52	48 X 45 X 52	48 X 45 X 52	52 X 47 X 61
<b>WEIGHT</b>				
Shipping (lbs.) / Net (lbs.)	388 / 318	418 / 348	422 / 352	547 / 462

(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.

## Product Specifications

MODEL	4TCY5048A1000A	4TCY5060A1000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/1/60
Performance Cooling BTUH <sup>(a)</sup>	48000	57500
Indoor Airflow (CFM) (High)	1540	1940
Power Input (KW)	4.0	5.0
BTUH (Low)	34800	40500
Indoor Airflow (Low)	1120	1325
Power Input	2.58	3.2
EER/SEER (BTU/Watt-Hr.) <sup>(b)</sup>	12.0 / 15.0	11.4 / 15.0
Sound Power Rating [dB(A)] <sup>(c)</sup>	71	73
<b>POWER CONN. — V/Ph/Hz</b>	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity <sup>(d)</sup>	34.2	44.4
Fuse Size — Max. (amps)	50	60
Fuse Size — Recmd. (amps)	50	60
<b>COMPRESSOR</b>	2-STAGE SCROLL	2-STAGE SCROLL
Volts/Ph/Hz	208-230/1/60	208-230/1/60
R.L. Amps — L.R. Amps	21.2/104	28.8 / 152.9
<b>OUTDOOR COIL — TYPE</b>	SPINE-FIN	SPINE-FIN
Rows/F.P.I	2 / 24	2 / 24
Face Area (sq. ft.)	23.57	23.57
Tube Size (in.)	3/8	3/8
<b>INDOOR COIL — TYPE</b>	PLATE FIN	PLATE FIN
Rows/F.P.I	4 / 15	4 / 15
Face Area (sq. ft.)	5.0	5.0
Tube Size (in.)	3/8	3/8
Refrigeration Control	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT
<b>OUTDOOR FAN — TYPE</b>	PROPELLER	PROPELLER
DIA. (IN.)	28.2	28.2
DRIVE/NO. SPEEDS	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. <sup>(e)</sup>	4200	4700
Motor — HP/R.P.M	1/6 / 830	1/4 / 830
Volts/Ph/Hz	208-230/1/60	208-230/1/60
F.L. Amps/L.R Amps	0.9 / 1.65	1.4 / 3.37
<b>INDOOR FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL
Dia. x Width (in.)	10 X 10	11 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM <sup>(f)</sup>	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	3/4 / VARIABLE	1 / VARIABLE
Volts/Ph/Hz	208-230/1/60	208-230/1/60
F.L. Amps	6.8	6.9
<b>FILTER / FURNISHED</b>	NO	NO
Type Recommended	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) <sup>(g)</sup>	5.3	5.3
<b>REFRIGERANT</b>	R-410A	R-410A
Charge (lbs.)	8.77	9.30
<b>CHARGING SPECIFICATIONS</b>		
Subcooling	10°	11°
<b>DIMENSIONS</b>	H X D X W	H X D X W
Crated (in.)	52 X 47 X 61	52 X 47 X 61
<b>WEIGHT</b>		
Shipping (lbs.) / Net (lbs.)	570 / 485	582 / 497

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

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

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

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

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

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

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



# Indoor Fan Performance (230v)

**Table 1. Horizontal Airflow**

4TCY5024A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	—	75	99	122	145	168	189	211	230	250	—
	CFM	—	701	710	719	711	702	691	680	667	655	—
COOLING — MED	WATTS	—	97	124	150	177	204	228	253	275	298	—
	CFM	—	788	802	816	812	809	798	787	774	762	—
COOLING — HIGH	WATTS	—	123	154	184	213	242	271	301	324	348	—
	CFM	—	874	891	907	908	910	900	891	875	860	—

**Table 2. Down Airflow**

4TCY5024A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	—	80	100	115	136	164	191	209	242	261	—
	CFM	—	714	717	714	701	698	696	680	681	676	—
COOLING — MED	WATTS	—	90	108	131	155	177	202	231	272	315	—
	CFM	—	802	799	813	815	816	808	801	796	782	—
COOLING — HIGH	WATTS	—	126	156	188	217	244	270	291	330	360	—
	CFM	—	879	896	914	914	913	898	893	905	907	—

**Table 3. Horizontal Airflow**

4TCY5030A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	—	115	145	174	202	231	259	287	311	334	—
	CFM	—	848	863	878	879	879	870	861	847	833	—
COOLING — MED	WATTS	—	160	191	223	253	284	316	348	377	405	—
	CFM	—	969	979	989	992	996	991	985	973	961	—
COOLING — HIGH	WATTS	—	209	244	278	312	347	380	413	448	483	—
	CFM	—	1076	1086	1095	1099	1103	1100	1097	1088	1080	—

**Table 4. Down Airflow**

4TCY5030A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	—	115	141	170	197	227	256	281	290	272	—
	CFM	—	838	845	854	851	848	834	808	754	670	—
COOLING — MED	WATTS	—	161	188	218	250	284	319	349	363	352	—
	CFM	—	955	959	962	959	957	946	935	917	897	—
COOLING — HIGH	WATTS	—	204	235	265	295	332	384	478	-	-	—
	CFM	—	1045	1048	1052	1054	1060	1064	1067	-	-	—

**Table 5. Horizontal Airflow**

4TCY5036A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	162	173	197	226	256	285	313	343	360	-	-
	CFM	1058	1062	1063	1063	1062	1060	1057	1053	1010	-	-
COOLING — MED	WATTS	179	230	265	296	329	366	403	431	436	-	-
	CFM	1179	1196	1204	1206	1205	1203	1199	1194	1185	-	-
COOLING — HIGH	WATTS	318	336	365	399	435	469	502	533	-	-	-
	CFM	1390	1376	1370	1366	1361	1354	1349	1351	-	-	-

**Table 6. Down Airflow**

4TCY5036A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	169	182	210	243	273	301	331	370	433	-	-
	CFM	1025	1062	1068	1063	1060	1061	1064	1055	1015	-	-
COOLING — MED	WATTS	225	253	283	315	348	381	414	449	484	-	-
	CFM	1187	1201	1203	1201	1198	1197	1194	1184	1157	-	-
COOLING — HIGH	WATTS	339	357	390	424	455	483	516	571	-	-	-
	CFM	1391	1377	1377	1375	1366	1352	1344	1360	-	-	-

**Table 7. Horizontal Airflow**

4TCY5042A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	—	160	185	214	245	277	308	339	368	396	423
	CFM	—	1206	1211	1213	1215	1215	1214	1212	1208	1201	1190
COOLING — MED	WATTS	—	231	261	292	325	359	394	431	467	503	536
	CFM	—	1389	1398	1405	1409	1410	1408	1403	1399	1396	1399
COOLING — HIGH	WATTS	—	326	362	393	421	450	482	517	556	597	—
	CFM	—	1582	1592	1592	1587	1577	1566	1557	1553	1556	—

**Table 8. Down Airflow**

4TCY5042A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
COOLING — LOW	WATTS	—	176	203	232	262	294	325	339	368	396	423
	CFM	—	1207	1214	1217	1216	1213	1208	1212	1208	1201	1190
COOLING — MED	WATTS	—	253	290	323	355	386	420	431	467	503	536
	CFM	—	1405	1411	1413	1412	1407	1399	1403	1399	1396	1399
COOLING — HIGH	WATTS	—	367	379	409	446	485	556	517	556	597	—
	CFM	—	1599	1577	1570	1569	1566	1550	1557	1553	1556	—



## Indoor Fan Performance (230v)

**Table 9. Horizontal Airflow**

4TCY5048A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
350 CFM/Ton Setting	LOW	-	954	973	977	973	966	957	950	944	-	-
	HIGH	-	1363	1390	1396	1390	1379	1368	1358	1349	-	-
400 CFM/Ton Setting	LOW	-	1121	1106	1104	1106	1108	1108	1104	1097	-	-
	HIGH	-	1601	1580	1577	1580	1583	1583	1577	1567	-	-
450 CFM/Ton Setting	LOW	-	1223	1254	1268	1271	1268	1264	1261	1258	-	-
	HIGH	-	1747	1792	1811	1816	1812	1806	1801	1797	-	-

**Table 10. Down Airflow**

4TCY5048A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
350 CFM/Ton Setting	LOW	-	948	977	977	970	969	975	979	962	-	-
	HIGH	-	1354	1396	1396	1386	1384	1393	1399	1375	-	-
400 CFM/Ton Setting	LOW	-	1102	1106	1109	1113	1116	1119	1120	1118	-	-
	HIGH	-	1574	1580	1585	1589	1594	1599	1601	1597	-	-
450 CFM/Ton Setting	LOW	-	1295	1277	1272	1273	1274	1273	1272	1273	-	-
	HIGH	-	1851	1824	1817	1818	1820	1819	1817	1819	-	-

**Table 11. Horizontal Airflow**

4TCY5060A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
350 CFM/Ton Setting	LOW	-	1163	1238	1259	1256	1246	1240	1237	1230	-	-
	HIGH	-	1662	1768	1799	1794	1780	1771	1767	1757	-	-
400 CFM/Ton Setting	LOW	-	1443	1427	1422	1422	1423	1422	1418	1410	-	-
	HIGH	-	2062	2038	2031	2032	2034	2032	2025	2015	-	-

**Table 12. Down Airflow**

4TCY5060A1		EXTERNAL STATIC PRESSURE (IN. WG)										
MOTOR SPEED		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
350 CFM/Ton Setting	LOW	-	1259	1219	1208	1207	1206	1199	1188	1185	-	-
	HIGH	-	1799	1742	1726	1725	1723	1712	1698	1692	-	-
400 CFM/Ton Setting	LOW	-	1410	1393	1386	1384	1383	1380	1368	1344	-	-
	HIGH	-	2015	1990	1980	1977	1976	1971	1955	1920	-	-





# Supplementary Electric Heater

**Table 13. BAYHTRV – 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	CANADA ONLY MAX. CKT BKR SIZE
					KW	BTUH		1	2			
4TCY5 024-060	BAYHTRV105	208/240	1	18/21	3.76/5.0	12800/17100	1	3.76/5.0	—	23/26	25/30	25/30
4TCY5 024-060	BAYHTRV108	208/240	1	29/33	6.0/8.0	20500/27300	1	6.0/8.0	—	36/41	40/45	40/45
4TCY5 024-060	BAYHTRV110	208/240	1	36/42	7.5/10.0	25600/34100	1	7.5/10.0	—	45/52	45/60	45/60
4TCY5 030-060	BAYHTRV115	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
4TCY5 048-060	BAYHTRV120	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
4TCY5 060	BAYHTRV125	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

**Table 14. 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
4TCY5024A	BAYSPEK060	BAYHTRV105	32	35
		BAYHTRV108	47	50
		BAYHTRV110	28	60

**Table 15. 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
4TCY5030A	BAYSPEK060	BAYHTRV105	32	35
		BAYHTRV108	47	50
		BAYHTRV110	58	60
	BAYSPEK063	BAYHTRV115	84	90

**Table 16. 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
4TCY5036A	BAYSPEK060	BAYHTRV105	32	35
		BAYHTRV108	47	50
		BAYHTRV110	58	60
	BAYSPEK063	BAYHTRV115	84	90



## Supplementary Electric Heater

**Table 17. BAYSPEK – Single Power Entry Kit**

<b>SINGLE CIRCUIT POWER AMPACITY AND OVER CURRENT PROTECTION</b>				
UNIT MODEL	SINGLE POWER ENTRY KIT	HEATER MODEL	MIN CKT AMP	MAX OVER-CURRENT DEVICE
4TCY5042A	BAYSPEK060	BAYHTRV105	35	45
		BAYHTRV108	50	50
	BAYSPEK062	BAYHTRV110	61	70
	BAYSPEK063	BAYHTRV115	87	90

**Table 18. BAYSPEK – Single Power Entry Kit**

<b>SINGLE CIRCUIT POWER AMPACITY AND OVER CURRENT PROTECTION</b>				
UNIT MODEL	SINGLE POWER ENTRY KIT	HEATER MODEL	MIN CKT AMP	MAX OVER-CURRENT DEVICE
4TCY5048A	BAYSPEK060	BAYHTRV105	35	50
		BAYHTRV108	50	50
	BAYSPEK062	BAYHTRV110	61	70
	BAYSPEK063	BAYHTRV115	87	90
		BAYHTRV120	112	125

**Table 19. BAYSPEK – Single Power Entry Kit**

<b>SINGLE CIRCUIT POWER AMPACITY AND OVER CURRENT PROTECTION</b>				
UNIT MODEL	SINGLE POWER ENTRY KIT	HEATER MODEL	MIN CKT AMP	MAX OVER-CURRENT DEVICE
4TCY5060A	BAYSPEK060	BAYHTRV105	44	70
		BAYHTRV108	50	70
	BAYSPEK062	BAYHTRV110	61	70
	BAYSPEK063	BAYHTRV115	87	90
		BAYHTRV120	112	125

# Wiring

Figure 1. Wiring Diagram – 4TCY5024-042

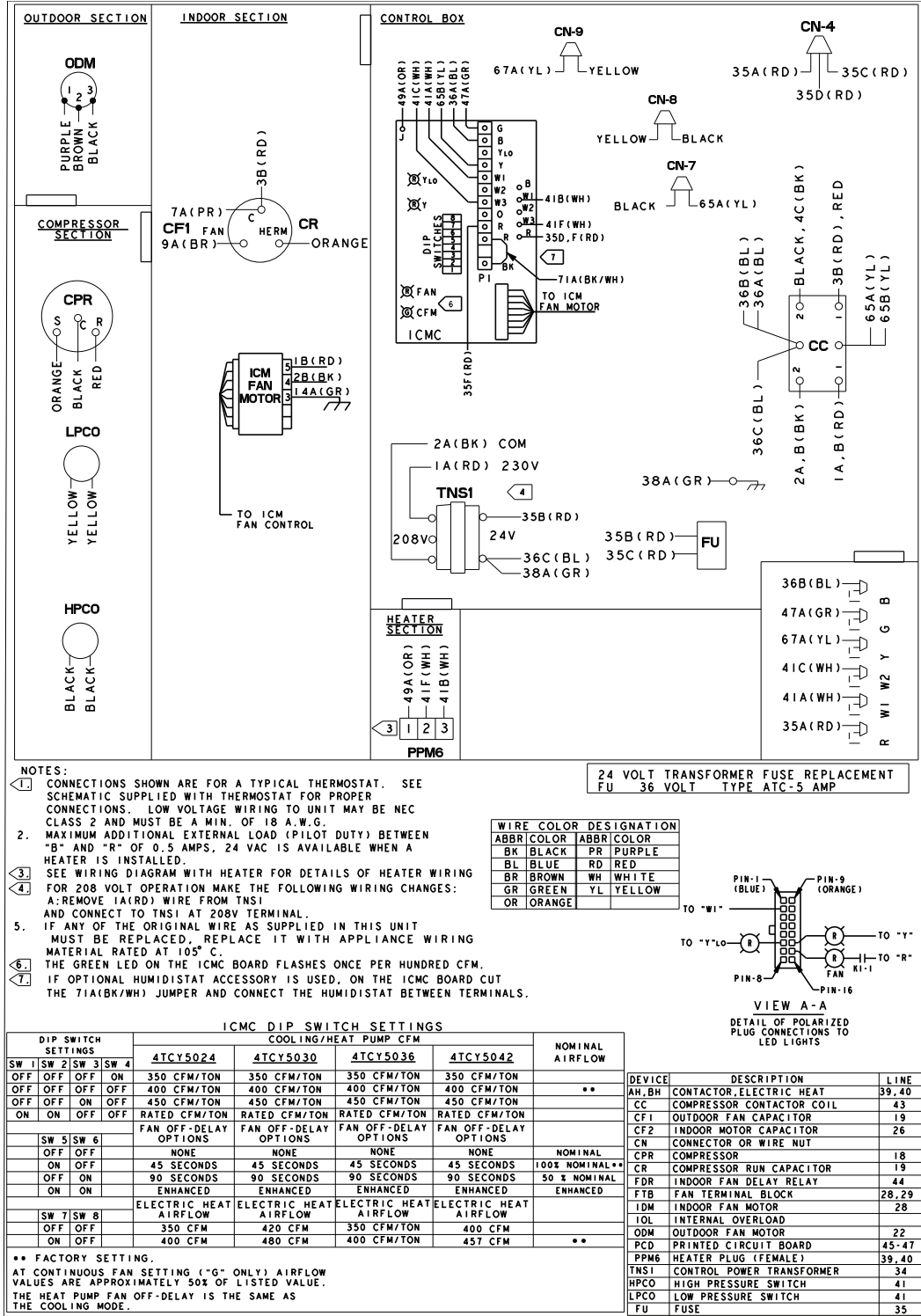
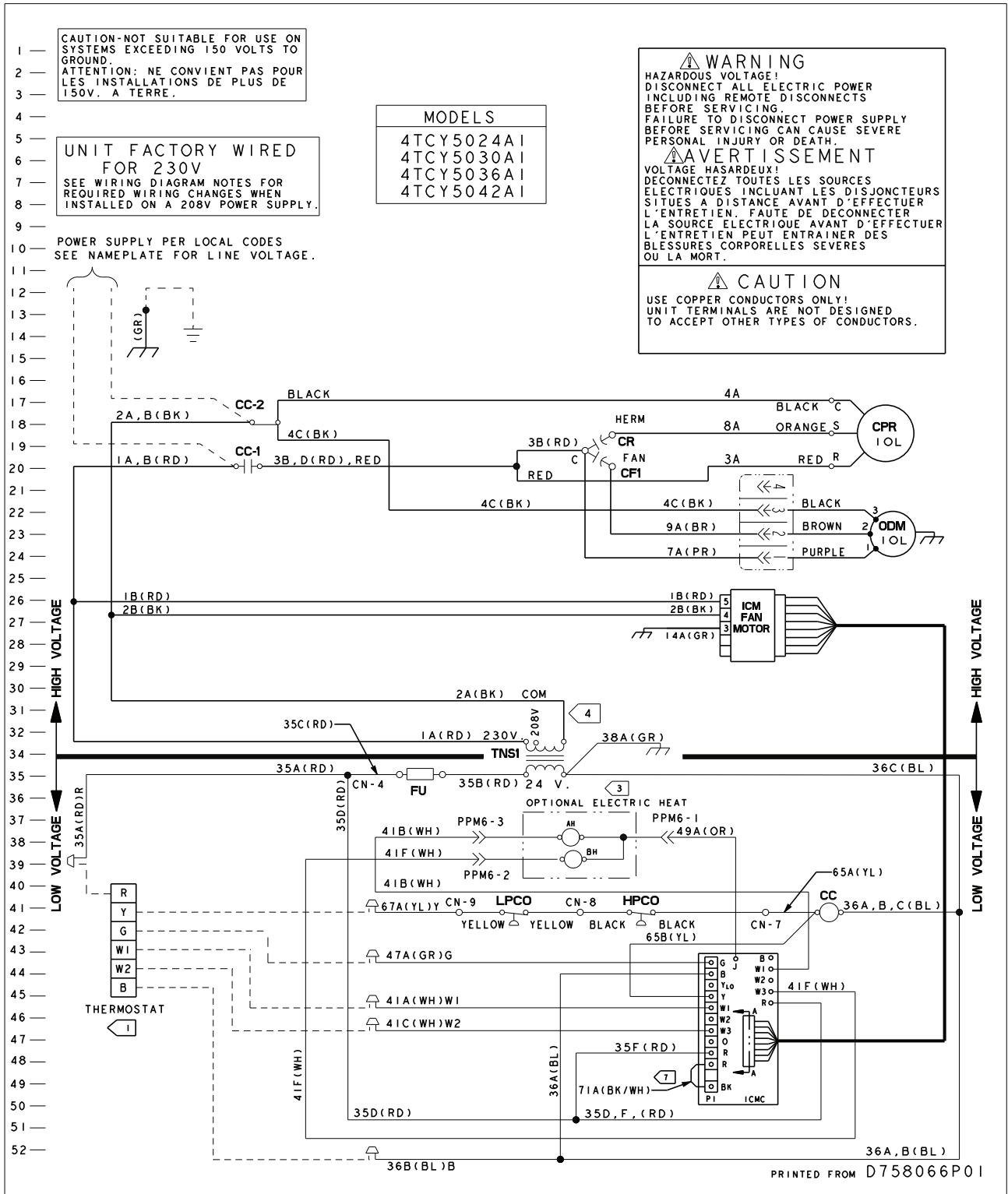
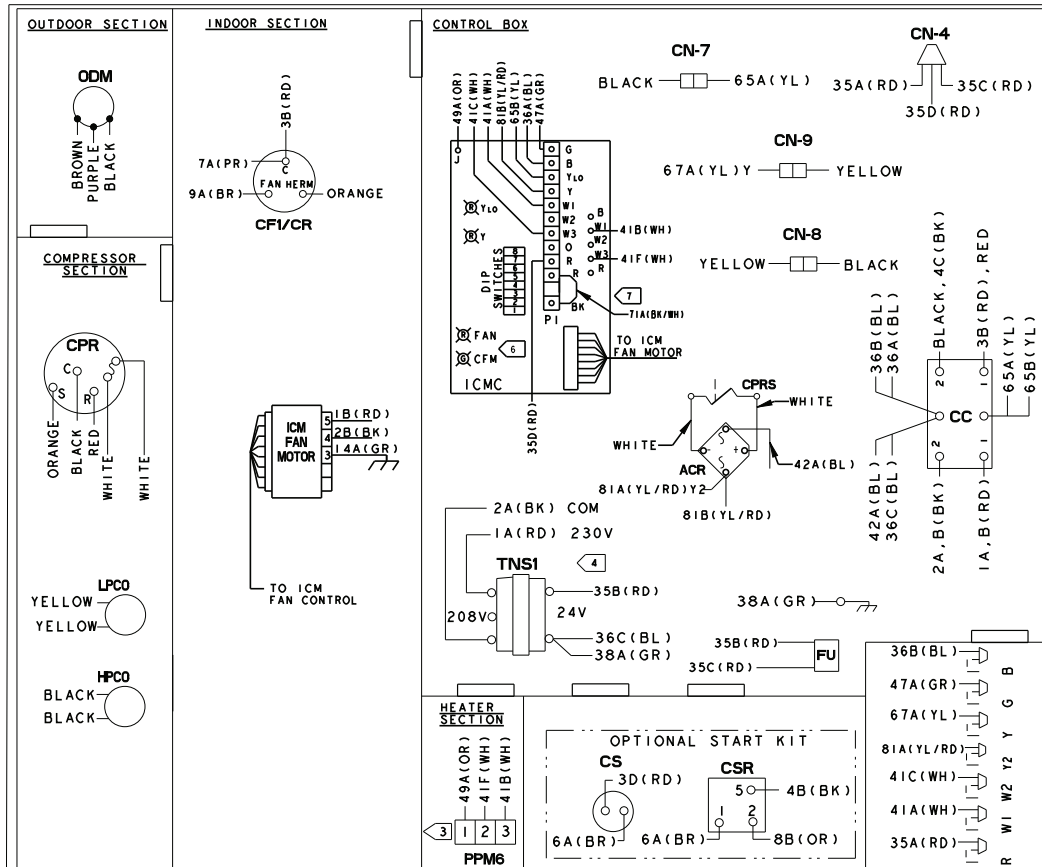


Figure 2. Wiring Diagram – 4TCY5024-042



### Wiring Diagram - 4TCY5048



- NOTES:**
- CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2 AND MUST BE A MIN. OF 18 A.W.G.
  - MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
  - SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING
  - FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES:  
A: REMOVE 1A(RD) WIRE FROM TNS1 AND CONNECT TO TNS1 AT 208V TERMINAL.
  - IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105° C.
  - THE GREEN LED ON THE ICMC BOARD FLASHES ONCE PER HUNDRED CFM.
  - IF OPTIONAL HUMIDISTAT ACCESSORY IS USED, ON THE ICMC BOARD CUT THE 71A(BK/WH) JUMPER AND CONNECT THE HUMIDISTAT BETWEEN TERMINALS

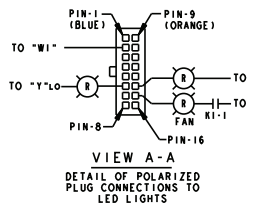
ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE
BL	BLUE	RD	RED
BR	BROWN	WH	WHITE
GR	GREEN	YL	YELLOW
OR	ORANGE		

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

**ICMC DIP SWITCH SETTINGS**

DIP SWITCH SETTINGS				COOLING / HEAT PUMP CFM	NOMINAL AIRFLOW
SW 1	SW 2	SW 3	SW 4		
OFF	OFF	OFF	ON	350 CFM/TON	
OFF	OFF	OFF	OFF	400 CFM/TON	**
OFF	OFF	ON	OFF	450 CFM/TON	
ON	ON	OFF	OFF	RATED CFM/TON	
FAN OFF-DELAY OPTIONS					
SW 5	SW 6			NONE	NOMINAL
OFF	OFF			45 SECONDS	100 % NOMINAL **
OFF	ON			90 SECONDS	50 % NOMINAL
ON	ON			ENHANCED	ENHANCED
ELECTRIC HEAT AIRFLOW					
SW 7	SW 8			350 CFM/TON	**
OFF	OFF			400 CFM/TON	
ON	OFF				

\*\* FACTORY SETTING.  
AT CONTINUOUS FAN SETTING ("G" ONLY) AIRFLOW VALUES ARE APPROXIMATELY 50% OF LISTED VALUE.  
THE HEAT PUMP FAN OFF-DELAY IS THE SAME AS THE COOLING MODE.



DEVICE	DESCRIPTION	LINE
AH, BH	CONTACTOR, ELECTRIC HEAT	39, 40
CC	COMPRESSOR CONTACTOR COIL	43
CF1	OUTDOOR FAN CAPACITOR	19
CF2	INDOOR MOTOR CAPACITOR	19
CN	CONNECTOR OR WIRE NUT	
CPR	COMPRESSOR	18
CR	COMPRESSOR RUN CAPACITOR	19
CS	COMPRESSOR START CAPACITOR	15
CSR	COMPRESSOR START RELAY COIL	15
FDR	INDOOR FAN DELAY RELAY	44
FTB	FAN TERMINAL BLOCK	28, 29
IDM	INDOOR FAN MOTOR	28
IOL	INTERNAL OVERLOAD	
ODM	OUTDOOR FAN MOTOR	22
PCD	PRINTED CIRCUIT BOARD	45-47
PPM6	HEATER PLUG (FEMALE)	39, 40
TNS1	CONTROL POWER TRANSFORMER	34
HPCO	HIGH PRESSURE SWITCH	41
LPCO	LOW PRESSURE SWITCH	41
FU	FUSE	35
ACR	RECTIFIER BRIDGE	43-45

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Wiring Diagram - 4TCY5048

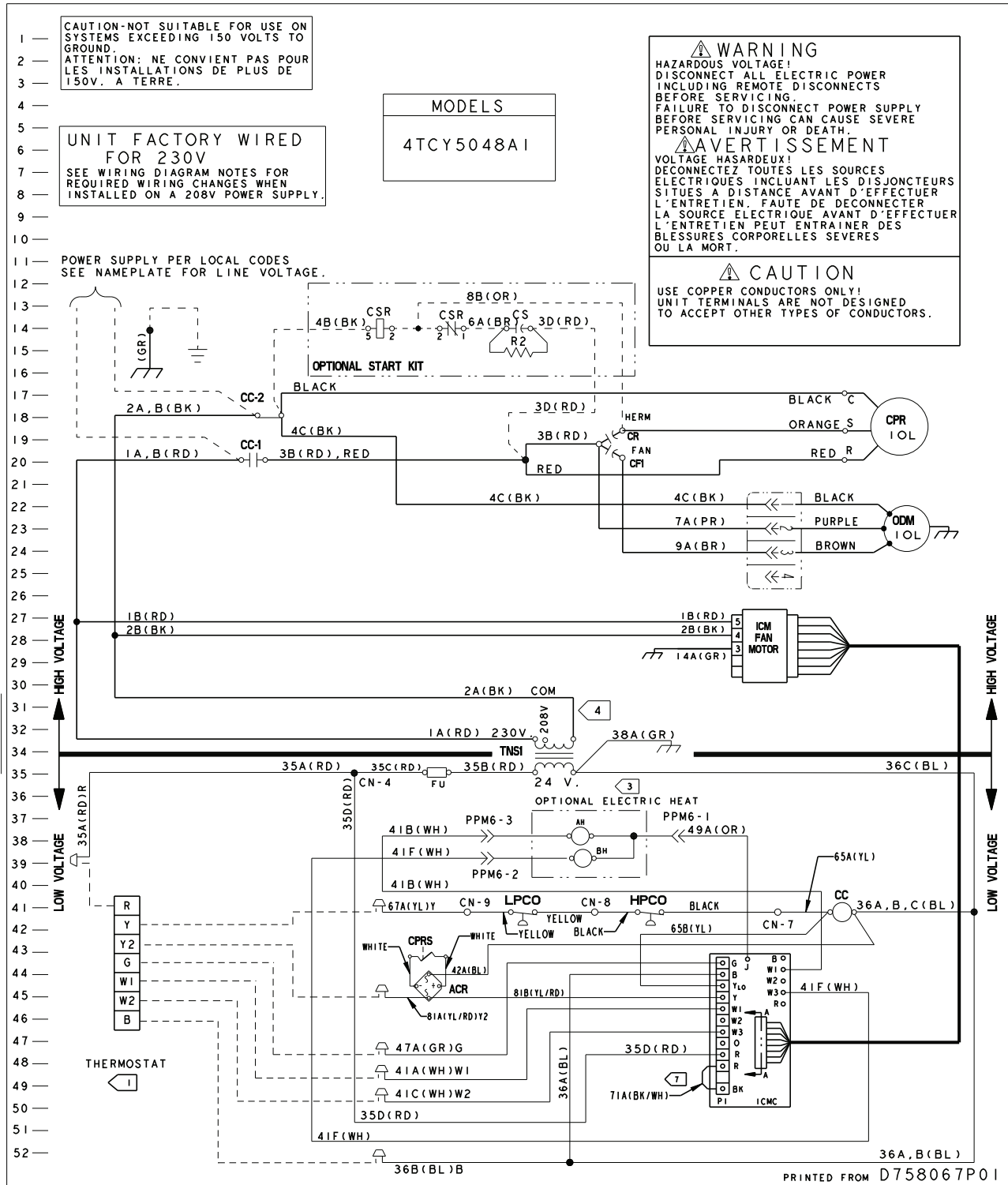


Figure 3. Wiring Diagram - 4TCY5060

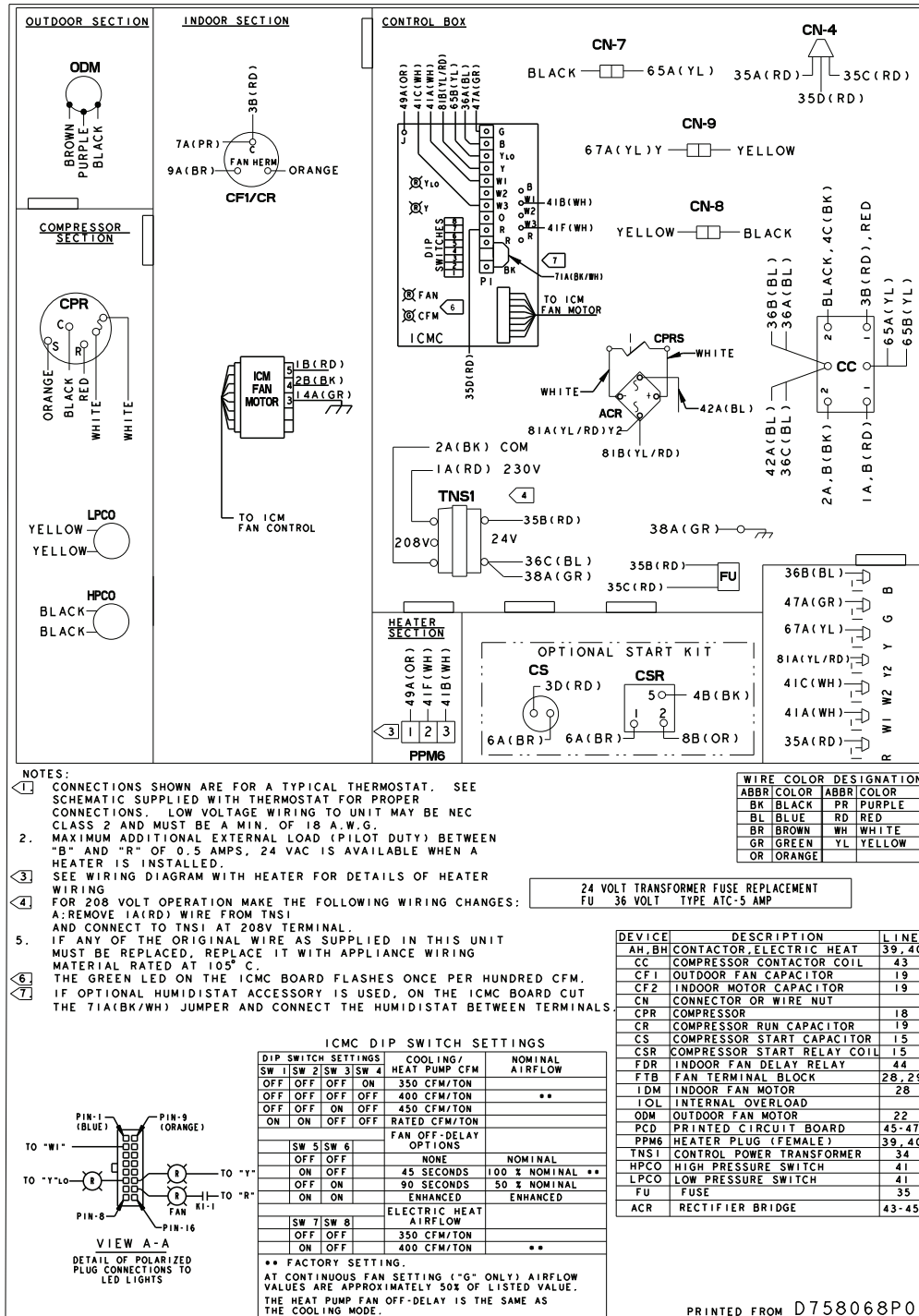
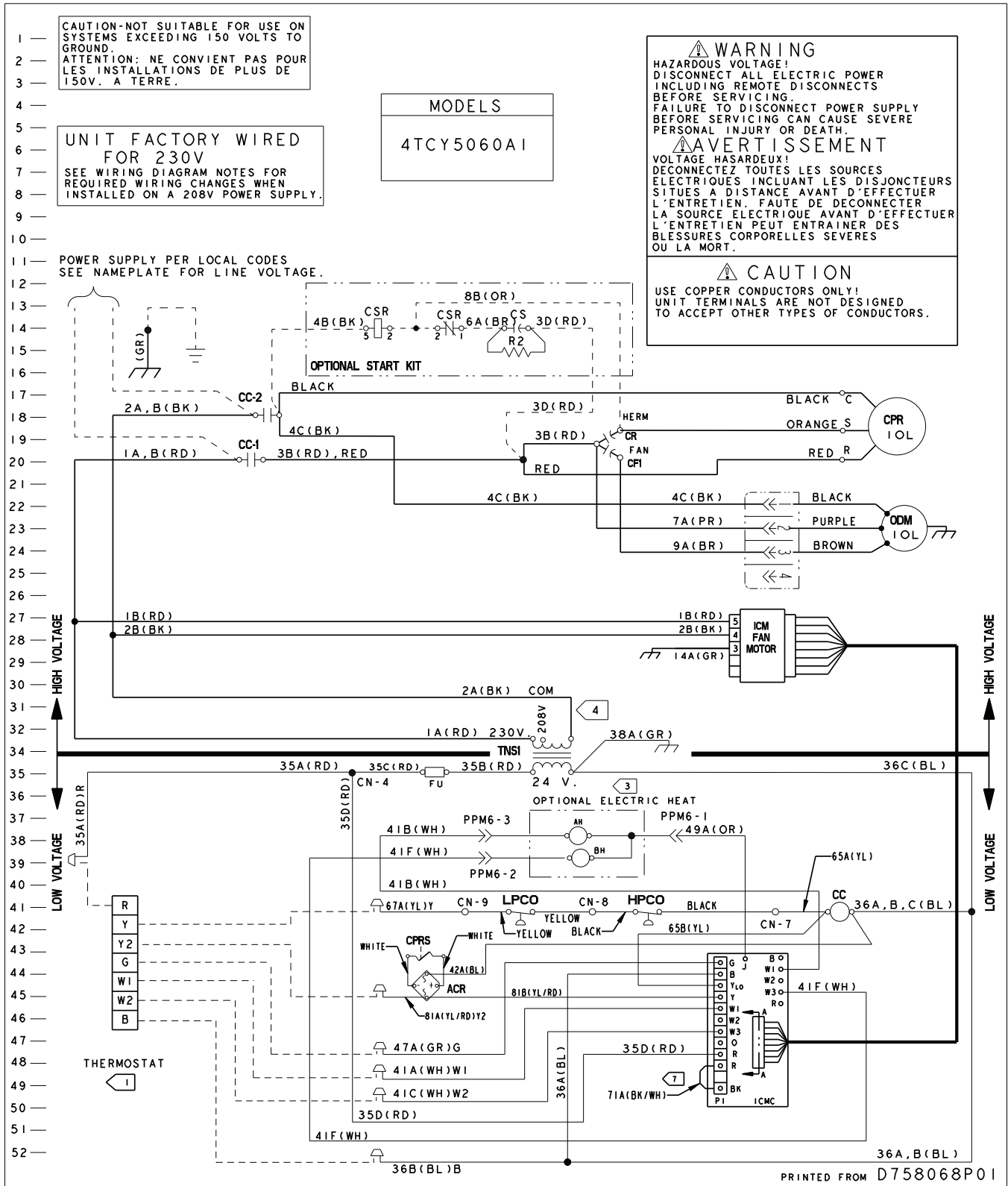


Figure 4. Wiring Diagram - 4TCY5060

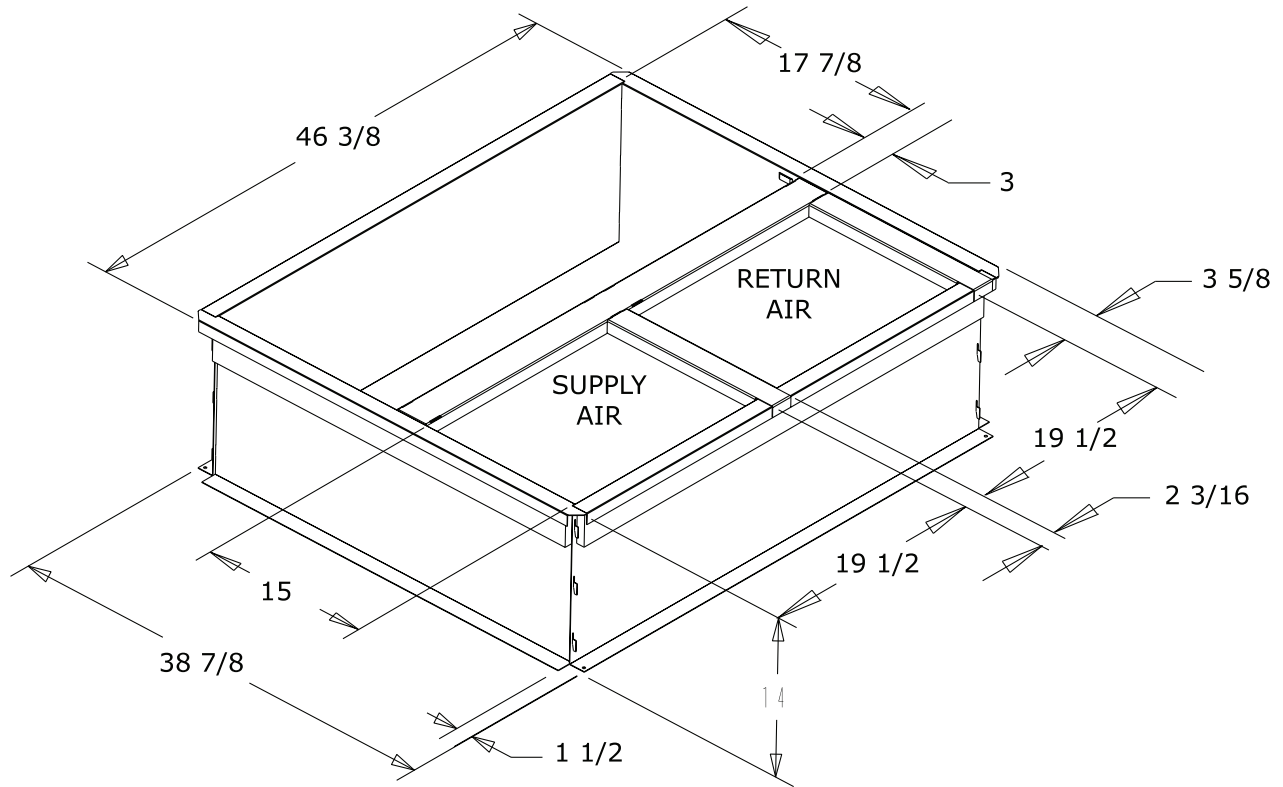




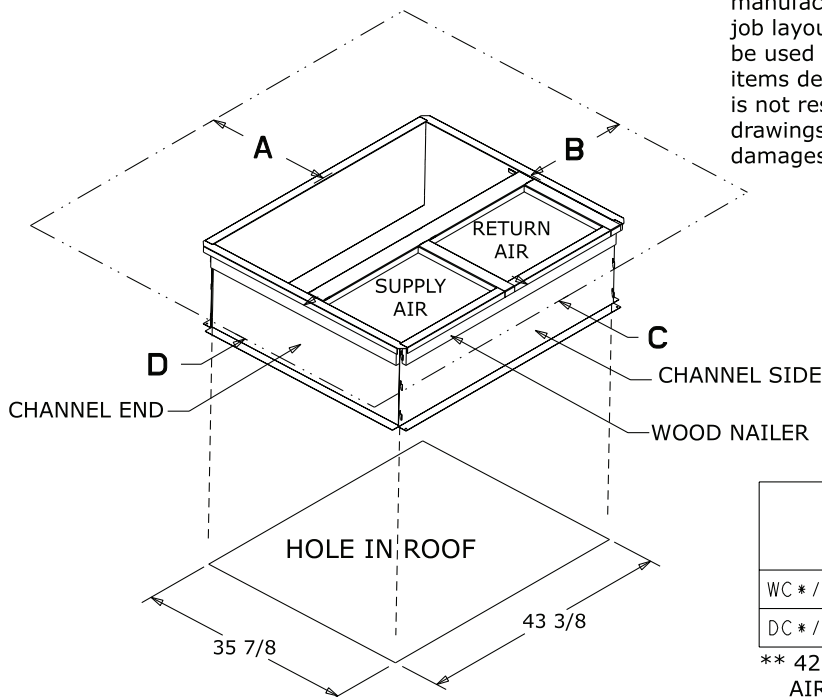
# Full Perimeter Roof Mounting Curb

Figure 5. 2.0 – 3.0 Ton Models

## BAYCURB050A Full Perimeter Roof Mounting Curb



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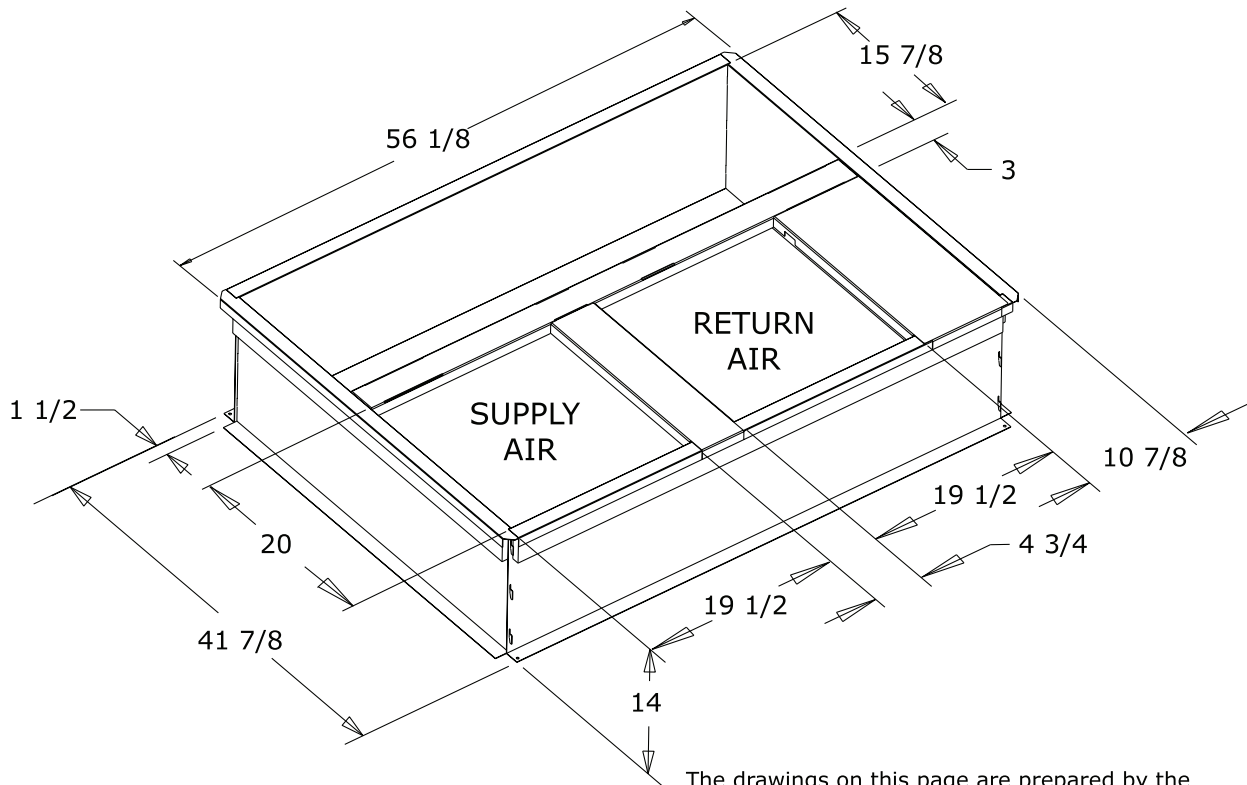


	SERVICE CLEARANCE DIMENSIONS			
	A	B	C	D
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

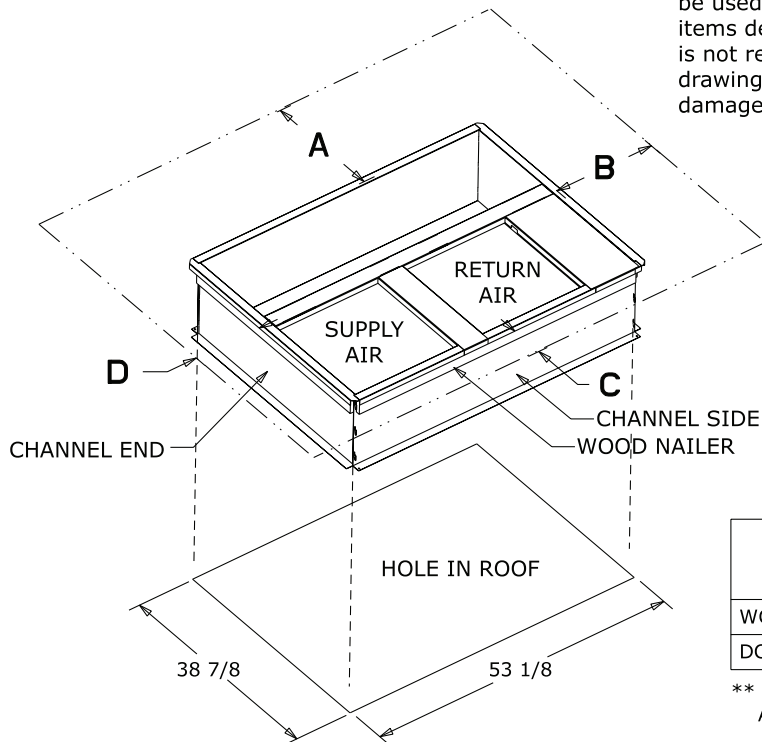
\*\* 42.00 WITH ECONOMIZER WITH 25% FRESH AIR ACCESSORY

Figure 6. 3.5 – 5.0 Ton Models

**BAYCURB051A Full Perimeter Roof Mounting Curb**



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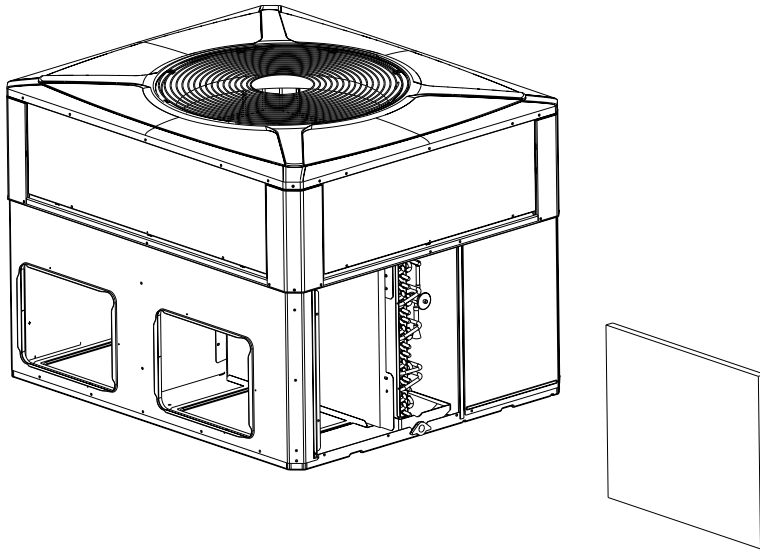
	SERVICE CLEARANCE DIMENSIONS			
	A	B	C	D
WC*/TC*	42.00	36.00	12.00**	24.00
DC*/YC*	42.00	36.00	12.00**	36.00

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

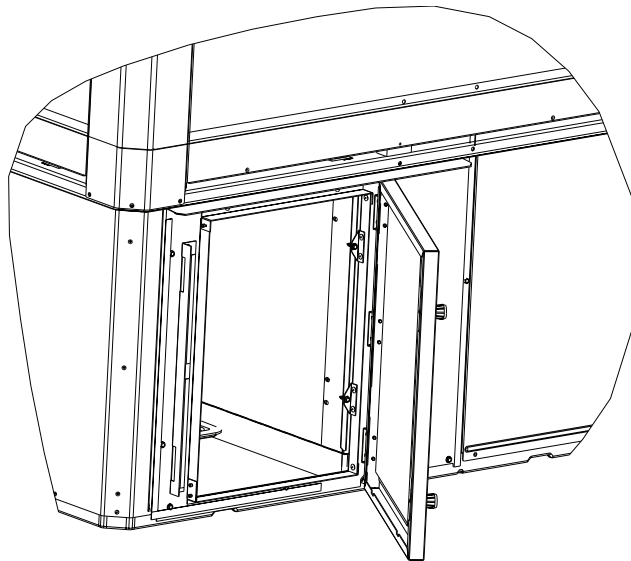


## Optional Equipment — Filter Rack

**Figure 7. BAYFLTR101 Filter Rack (2.0 – 3.0 Ton Models)  
BAYFLTR201 (3.5 – 5.0 Ton Models)  
(Mounts in Filter/Coil Section)**



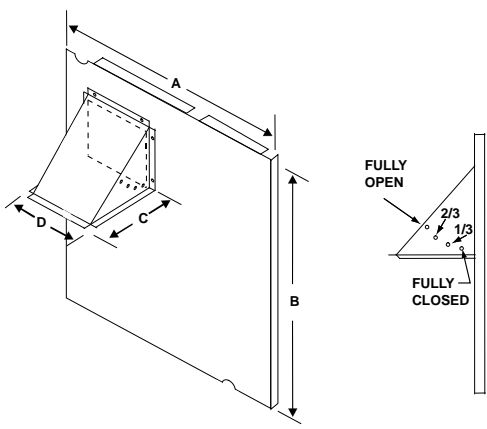
**Figure 8. BAYACCDOR1A Hinged Filter Access Door (2.0 – 3.0 Ton Models)  
BAYACCDOR2A (3.5 – 5.0 Ton Models)  
Replaces Filter/Coil Access Panel**



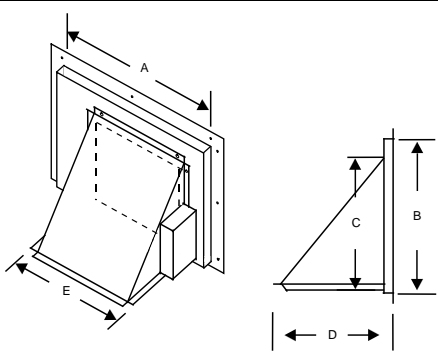
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# Optional Equipment – Outside Air Damper

**Table 20. BAYOSAH001 and 002A**

	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 21. 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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