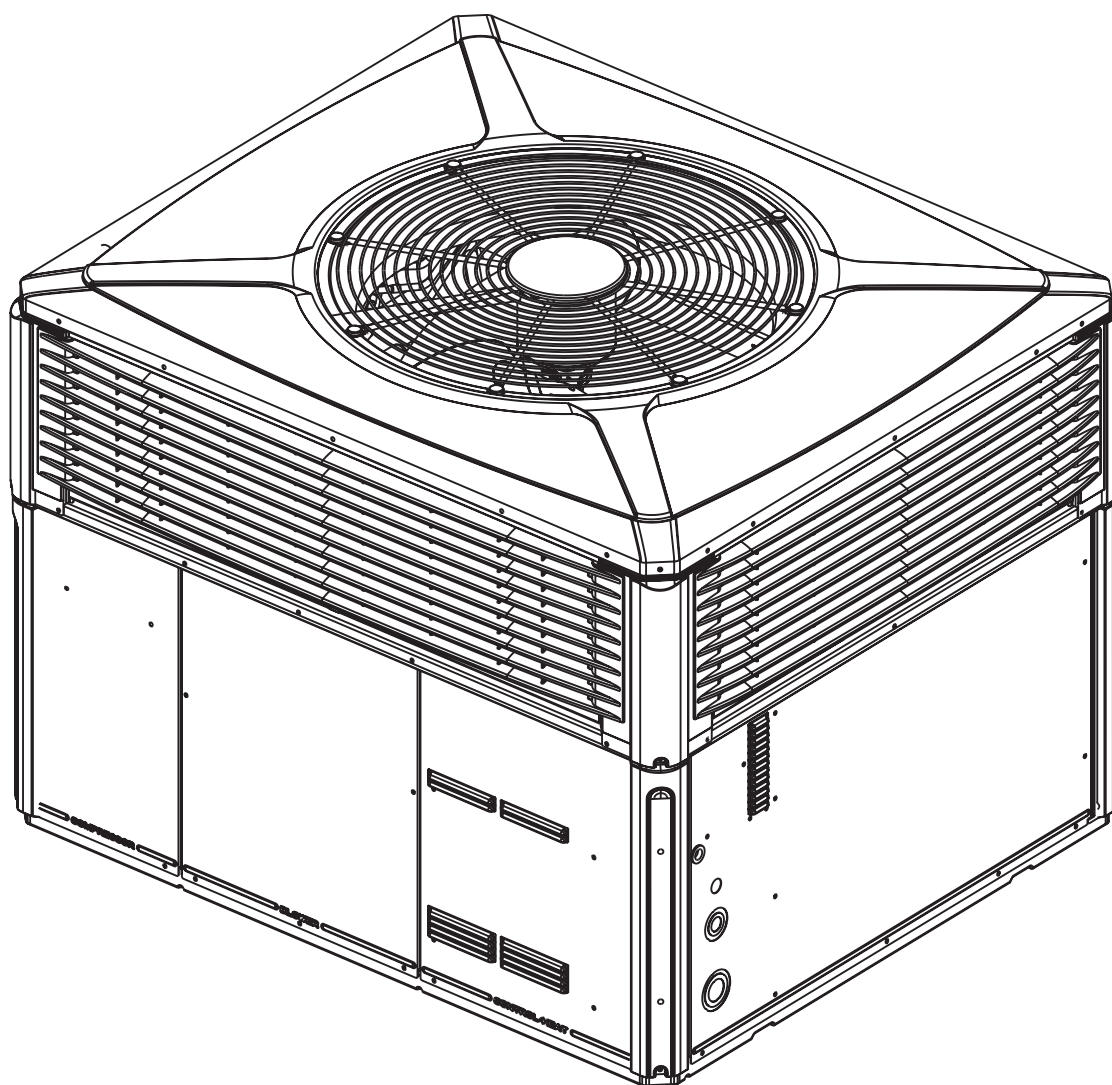


Product Data

4WCZ6024 through 4WCZ6060
Single Packaged Convertible Heat Pump
16 SEER
2 - 5 Ton



It's Hard to Stop a Trane.

Single Packaged Electric Heat Pump System

Trane offers a complete family of electric heat pump heating and cooling systems, designed to keep you comfortable all year long, regardless of the weather, while keeping your operating costs as low as possible. A heat pump operates efficiently as both an air conditioner and a heater. In the summer, the heat pump cools your home just like any other air conditioner by pulling the heat from the inside and releasing it outdoors. In the winter, it captures the heat that is always present in the outdoor air and transfers it indoors.

Introducing the new TRANE Single Packaged Electric Heat Pump System.

Single Packaged Electric Heat Pump Systems are easy and versatile to install. Because cooling and heating functions are all contained in a single cabinet, a Trane packaged heat pump system 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 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 Climatuff® 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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Optional Equipment

OPTIONAL EQUIPMENT FOR PACKAGED UNITS (check mark [✓] indicates accessories included)

Hinged Filter Access Door (4WCZ6024-036) ⑩	BAYACCDOR1A[]
Hinged Filter Access Door (4WCZ6048-060) ⑩	BAYACCDOR2A[]
Roof Curb Full Perimeter (4WCZ6024-036) ③	BAYCURB050A[]
Roof Curb Full Perimeter (4WCZ6048-060) ③	BAYCURB051A[]
Roof Curb Utility Extension Kit (BAYCURB050A)	BAYUTIL101B[]
Roof Curb Utility Extension Kit (BAYCURB051A)	BAYUTIL102B[]
0-25% Motorized Outside Air Damper (4WCZ6024-036)	BAYDMPR101A[]
0-25% Motorized Outside Air Damper (4WCZ6048-060)	BAYDMPR102A[]
Outside Air Control for V.S. Economizer (4WCZ6024-060)	BAYOSAC001B[]
0-25% Manual Fresh Air Damper (4WCZ6024-036) ①⑨	BAYOSAH001A[]
0-25% Manual Fresh Air Damper (4WCZ6048-060) ①⑨	BAYOSAH002A[]
16" Round Duct Adapter (2 per box) (4WCZ6024-036) ⑥	BAYSQRD001A[]
18" Round Duct Adapter (2 per box) (4WCZ6024-060) ⑥	BAYSQRD002A[]
0-100% Mod Economizer w/Baro. Relief (4WCZ6024-036) ①②④	BAYECON103A[]
0-100% Mod. Economizer w/Baro. Relief (4WCZ6048-060) ①②④	BAYECON104A[]
0-100% Horizontal Economizer (4WCZ6024-036) ①②	BAYECON203A[]
0-100% Horizontal Economizer (4WCZ6048-060) ①②	BAYECON204A[]
Economizer Relay Kit (required for Heat Pump applications)	BAYRLAY006A[]
Enthalpy Control for Economizer (solid state)	BAYENTH001A[]
Remote Potentiometer (All-BAYECON***A)	BAYSTAT023[]
1"-2" Filter Frame (4WCZ6024-036) (20 x 25 filter not included) ①	BAYFLTR101B[]
1"-2" Filter Frame (4WCZ6048-060) (20 x 20,20X18 filter not included) ①	BAYFLTR201B[]
Evaporator Defrost Control (Low Ambient Cooling) Kit ⑤	BAYLOAM011A[]
Head Pressure Control (Low Ambient Cool) (208/240v) Kit ⑤	BAYLOAM105A[]
Crankcase Heater Scroll (4WCZ6048-060 1/3,060 1/3)(230v) ⑤	BAYCCHT102A[]
Crankcase Heater Scroll (4WCZ6024-036)(230v) ⑤	BAYCCHT103A[]
Crankcase Heater Scroll (4WCZ6048, 060)(460v) ⑤	BAYCCHT404B[]
Crankcase Heater Scroll (4WCZ6036)(460v) ⑤	BAYCCHT405A[]
Adapter Curb 4WCZ6024-036 to BAYCURB030,38	BAYADAP050A[]
Adapter Curb 4WCZ6024-036 to BAYCURB033	BAYADAP051A[]
Adapter Curb 4WCZ6048-060A to BAYCURB030,38	BAYADAP052A[]
Adapter Curb 4WCZ6048-060A to BAYCURB033	BAYADAP053A[]
Adapter Curb 4WCZ6048-060A to BAYCURB034	BAYADAP054A[]
12" Duct Shroud Covers Horizontal 4WCZ6024-060 ⑦	BAYCOVR112A[]
18" Duct Shroud Covers Horizontal 4WCZ6024-060 ⑦	BAYCOVR118A[]
Extreme Condition Mounting Kit - All BAYCURB & BAYADAP	BAYEXMK001A[]
Extreme Condition Mounting Kit - All BAYUTIL	BAYEXMK002A[]
Extreme Condition Mounting Kit - All Slab Mounts	BAYEXMK003A[]
Lifting Lug Kit BAYLIFT002B[]	

- NOTES: ① Must use internal filter frame when economizer or fresh air kit is used.
 ② Dry bulb control standard with economizer.
 ③ Ships knocked down.
 ④ Downflow only.
 ⑤ Low Ambient cooling requires crankcase heater (BAYCCHT---A).
 ⑥ It is the responsibility of the installing dealer to properly size the ductwork for each specific application.
 ⑦ BAYCOVR112,118A will not cover BAYSQRD002A applications.
 ⑧ BAYOSAH001A and BAYOSAH002A are not compatible with BAYACCDOR1A or BAYACCDOR2A.
 ⑨ BAYACCDOR1A requires BAYFLTR101B & BAYACCDOR2A requires BAYFLTR201B. They are not backward compatible to BAYFLTR101/201A.

General Data

MODEL	4WCZ6024A1000A
RATED Volts/Ph/Hz	208-230/1/60
Performance Cooling	
BTUH (High)	24000
Indoor Airflow (CFM)	800
Power Input (KW)	1.84
BTUH (Low)	20300
Indoor Airflow (CFM)	620
Power Input (KW)	1.1
EER - HI / LOW / SEER	12.0/18.4/16.0
Sound Power Rating [dB(A)]②	66.8
Performance Heating①	
(High Temp.)BTUH / COP (High)	20200 / 3.60
Power Input (KW)	1.68
(Low Temp.) BTUH / COP (High)	11300 / 2.17
Power Input (KW)	1.53
(High Temp.)BTUH / COP (Low)	15100 / 3.44
Power Input (KW)	1.29
(Low Temp.) BTUH / COP (Low)	8300 / 1.96
Power Input (KW)	1.24
HSPF (BTU / Watt-Hr.)⑥	8.2
POWER CONN.—V/Ph/Hz	208-230/1/60
Min. Brch. Cir. Ampacity③	19.5
Fuse Size — Max. / Recmd. (amps)	30 / 30
COMPRESSOR	2-STAGE SCROLL
Volts/Ph/Hz	208-230/1/60
R.L. Amps — L.R. Amps	11.7 / 58.3
OUTDOOR COIL — TYPE	SPINE-FIN
Rows/F.P.I.	2 / 24
Face Area (sq.ft.)	15.49
Tube Size (in.)	3/8
Refrigerant Control	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN
Rows/F.P.I.	4 / 15
Face Area (sq.ft.)	3.54
Tube Size (in.)	3/8
Refrigerant Control	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER
Dia. (in.)	23.4
Drive/No. Speeds	DIRECT / 1
CFM @ 0.0 in. w.g.④	2550
Motor — HP/R.P.M.	1/12 / 810
Volts/Ph/Hz	208-230/1/60
F.L. Amps/L.R. Amps	0.54 / 0.82
INDOOR FAN — TYPE	CENTRIFUGAL
Dia x Width (in.)	10 X 10
Drive/No. Speeds	DIRECT / VARIABLE
CFM @ 0.0 in. w.g.⑤	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	1/2 / VARIABLE
Volts/Ph/Hz	208-230/1/60
F.L. Amps/L.R. Amps	4.3 / 4.3
FILTER / FURNISHED	NO
Type Recommended	THROWAWAY
Recmd. Face Area (sq. ft.)⑦	4.0
REFRIGERANT / Charge (lbs.)	R410A / 8.06
DIMENSIONS	H X W X L
Crated (in.)	48 / 45 / 52
WEIGHT / Shipping / Net (lbs.)	442 / 372

General Data

MODEL	4WCZ6036B1000A	4WCZ6036B3000A	4WCZ6036B4000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Performance Cooling			
BTUH (High)	36000	36000	36000
Indoor Airflow (CFM)	1125	1125	1125
Power Input (KW)	2.89	2.89	2.89
BTUH (Low)	28800	28800	28800
Indoor Airflow (CFM)	825	825	825
Power Input (KW)	1.65	1.65	1.65
EER - HI / LOW / SEER	12.2 / 17.45 / 16	12.2 / 17.45 / 16	12.2 / 17.45 / 16
Sound Power Rating [dB(A)] ^②	70	70	70
Performance Heating^①			
(High Temp.) BTUH / COP (High)	31000 / 3.43	31000 / 3.43	31000 / 3.43
Power Input (KW)	2.65	2.65	2.65
(Low Temp.) BTUH / COP (High)	19200 / 2.30	19200 / 2.30	19200 / 2.30
Power Input (KW)	2.45	2.45	2.45
(High Temp.) BTUH / COP (Low)	22400 / 3.43	22400 / 3.43	22400 / 3.43
Power Input (KW)	1.92	1.92	1.92
(Low Temp.) BTUH / COP (Low)	12000 / 1.89	12000 / 1.89	12000 / 1.89
Power Input (KW)	1.86	1.86	1.86
HSPF (BTU / Watt-Hr.) ^⑥	8.3	8.3	8.3
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Min. Brch. Cir. Ampacity ^③	24.3	19.7	11.9
Fuse Size — Max. / Recmd. (amps)	35 / 35	30 / 30	15 / 15
COMPRESSOR	2-STAGE SCROLL	2-STAGE SCROLL	SCROLL
Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
R.L. Amps — L.R. Amps	15.3 / 83	11.6 / 73	5.7 / 38
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	15.49	15.49	15.49
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	3.54	3.54	3.54
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	23.4	23.4	23.4
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ^④	3020	3020	3020
Motor — HP/R.P.M.	1/6 / 830	1/6 / 830	1/6 / 830
Volts/Ph/Hz	208-230/1/60	208-230/1/60	460/1/60
F.L. Amps/L.R. Amps	0.9 / 1.65	0.9 / 1.65	0.5 / 0.84
INDOOR FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	10 X 10	10 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM @ 0.0 in. w.g. ^⑤	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	1/2 / VARIABLE	1/2 / VARIABLE	1/2 / VARIABLE
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	4.3 / 4.3	4.3 / 4.3	4.3 / 4.3
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) ^⑦	4.0	4.0	4.0
REFRIGERANT / Charge (lbs.)	R410A / 7.8	R410A / 7.8	R410A / 7.8
DIMENSIONS	H X W X L	H X W X L	H X W X L
Crated (in.)	47.86 / 44.5 / 52.03	47.86 / 44.5 / 52.03	47.86 / 44.5 / 52.03
WEIGHT / Shipping / Net (lbs.)	468 / 372	468 / 372	468 / 372

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on ARI Standard 210/240.

② Sound Power values are not adjusted for ARI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

General Data

MODEL	4WCZ6048B1000A	4WCZ6048B3000A	4WCZ6048B4000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Performance Cooling			
BTUH (High)	47500	47500	47500
Indoor Airflow (CFM)	1575	1575	1575
Power Input (KW)	3.42	3.42	3.42
BTUH (Low)	39000	39000	39000
Indoor Airflow (CFM)	1150	1150	1150
Power Input (KW)	2.22	2.22	2.22
EER - HI / LOW / SEER	12.0 / 17.5 / 16.0	12.0 / 17.5 / 16.0	12.0 / 17.5 / 16.0
Sound Power Rating [dB(A)] ^②	72	72	72
Performance Heating^①			
(High Temp.) BTUH / COP (High)	42000 / 3.83	42000 / 3.83	42000 / 3.83
Power Input (KW)	3.32	3.32	3.32
(Low Temp.) BTUH / COP (High)	23200 / 2.27	23200 / 2.27	23200 / 2.27
Power Input (KW)	2.99	2.99	2.99
(High Temp.) BTUH / COP (Low)	31200 / 3.77	31200 / 3.77	31200 / 3.77
Power Input (KW)	2.4	2.4	2.4
(Low Temp.) BTUH / COP (Low)	17000 / 2.12	17000 / 2.12	17000 / 2.12
Power Input (KW)	2.32	2.32	2.32
HSPF (BTU / Watt-Hr.) ^⑥	8.5	8.5	8.5
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Min. Brch. Cir. Ampacity ^③	34.2	25.2	15.3
Fuse Size — Max. / Recmd. (amps)	50 / 50	35 / 35	20 / 20
COMPRESSOR	2-STAGE SCROLL	2-STAGE SCROLL	2-STAGE SCROLL
Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
R.L. Amps — L.R. Amps	21.2 / 104.0	14 / 83.1	6.4 / 41.0
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	23.57	23.57	23.57
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	5.0	5.0	5.0
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	28.2	28.2	28.2
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ^④	4220	4220	4220
Motor — HP/R.P.M.	1/6 / 830	1/6 / 830	1/6 / 830
Volts/Ph/Hz	208-230/1/60	208-230/1/60	460/1/60
F.L. Amps/L.R. Amps	0.9 / 1.65	0.9 / 1.65	0.5 / 0.84
INDOOR FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	10 X 10	10 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM @ 0.0 in. w.g. ^⑤	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	3/4 / VARIABLE	3/4 / VARIABLE	3/4 / VARIABLE
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	6.8 / 6.8	6.8 / 6.8	6.8 / 6.8
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) ^⑦	5.3	5.3	5.3
REFRIGERANT / Charge (lbs.)	R410A / 8.8	R410A / 8.8	R410A / 8.8
DIMENSIONS	H X W X L	H X W X L	H X W X L
Crated (in.)	52.0 / 47.0 / 62.0	52.0 / 47.0 / 62.0	52.0 / 47.0 / 62.0
WEIGHT / Shipping / Net (lbs.)	607 / 479	607 / 479	607 / 479

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on ARI Standard 210/240.

② Sound Power values are not adjusted for ARI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

General Data

MODEL	4WCZ6060B1000A	4WCZ6060B3000A	4WCZ6060B4000A
RATED Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Performance Cooling			
BTUH (High)	57000	57000	57000
Indoor Airflow (CFM)	1780	1780	1780
Power Input (KW)	4.97	4.97	4.97
BTUH (Low)	44500	44500	44500
Indoor Airflow (CFM)	1250	1250	1250
Power Input (KW)	2.79	2.79	2.79
EER - HI / LOW / SEER	11.5 / 15.9 / 15.0	11.5 / 15.9 / 15.0	11.5 / 15.9 / 15.0
Sound Power Rating [dB(A)] ^②	74	74	74
Performance Heating^①			
(High Temp.) BTUH / COP (High)	53500 / 3.5	53500 / 3.5	53500 / 3.5
Power Input (KW)	4.45	4.45	4.45
(Low Temp.) BTUH / COP (High)	34000 / 2.46	34000 / 2.46	34000 / 2.46
Power Input (KW)	3.99	3.99	3.99
(High Temp.) BTUH / COP (Low)	37000 / 3.43	37000 / 3.43	37000 / 3.43
Power Input (KW)	3.19	3.19	3.19
(Low Temp.) BTUH / COP (Low)	19000 / 1.81	19000 / 1.81	19000 / 1.81
Power Input (KW)	3.02	3.02	3.02
HSPF (BTU / Watt-Hr.) ^③	8.3	8.3	8.3
POWER CONN.—V/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
Min. Brch. Cir. Ampacity ^③	42.0	30.0	17
Fuse Size — Max. / Recmd. (amps)	60 / 60	45 / 45	20 / 20
COMPRESSOR	2-STAGE SCROLL	2-STAGE SCROLL	2-STAGE SCROLL
Volts/Ph/Hz	208-230/1/60	208-230/3/60	460/3/60
R.L. Amps — L.R. Amps	27.1 / 152.9	16.5 / 110.0	7.2 / 52
OUTDOOR COIL — TYPE	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	23.57	23.57	23.57
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
INDOOR COIL — TYPE	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	5.0	5.0	5.0
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
OUTDOOR FAN — TYPE	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	28.2	28.2	28.2
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. ^④	4700	4700	4700
Motor — HP/R.P.M.	1/4 / 830	1/4 / 830	1/4 / 830
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	1.4 / 3.4	1.4 / 3.4	1.4 / 3.4
INDOOR FAN — TYPE	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	11 X 10	11 X 10	11 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM @ 0.0 in. w.g. ^⑤	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	1 / VARIABLE	1 / VARIABLE	1 / VARIABLE
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	6.9 / 6.9	6.9 / 6.9	6.9 / 6.9
FILTER / FURNISHED	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) ^⑦	5.3	5.3	5.3
REFRIGERANT / Charge (lbs.)	R410A / 9.8	R410A / 9.8	R410A / 9.8
DIMENSIONS	H X W X L	H X W X L	H X W X L
Crated (in.)	52.0 / 47.0 / 62.0	52.0 / 47.0 / 62.0	52.0 / 47.0 / 62.0
WEIGHT / Shipping / Net (lbs.)	623 / 495	623 / 495	623 / 495

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on ARI Standard 210/240.

② Sound Power values are not adjusted for ARI 270-95 tonal corrections.

③ Calculated in accordance with currently prevailing Nat'l Electrical Code.

④ Standard Air — Dry Coil — Outdoor.

⑤ Standard Air — Wet Coil — Indoor.

⑥ Rated in accordance with D.O.E. test procedure.

⑦ Filters must be installed in return air system. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendations with clean resistance of 0.05" W.C.

Indoor Blower Performance

Indoor Fan Performance 4WCZ6024

Horizontal		External Static Pressure (in. wg)								
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
350 CFM/Ton Setting	Low	590	583	575	571	566	546	525	507	488
	High	721	724	727	717	706	701	695	678	660
400 CFM/Ton Setting	Low	627	624	621	615	608	593	578	559	540
	High	801	806	811	806	800	789	777	745	712
450 CFM/Ton Setting	Low	672	673	673	664	654	648	641	620	599
	High	880	888	895	894	893	883	872	817	761

Down Flow		External Static Pressure (in. wg)								
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
350 CFM/Ton Setting	Low	601	588	571	562	563	549	525	517	504
	High	734	731	722	706	702	706	695	692	681
400 CFM/Ton Setting	Low	638	622	619	617	613	600	588	575	554
	High	815	803	808	808	807	798	791	766	731
450 CFM/Ton Setting	Low	676	676	678	668	656	646	642	641	632
	High	885	892	902	900	896	881	874	844	803

Indoor Fan Performance 4WCZ6036

Horizontal		External Static Pressure (in. wg)										
		0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
350 CFM/Ton Setting	Low	-	741	743	744	744	743	742	740	737	-	-
	High	-	1059	1062	1063	1063	1062	1059	1057	1053	-	-
400 CFM/Ton Setting	Low	-	825	837	843	844	844	842	839	836	-	-
	High	-	1179	1196	1204	1206	1205	1203	1199	1194	-	-
450 CFM/Ton Setting	Low	-	976	964	959	957	953	949	945	945	-	-
	High	-	1394	1377	1371	1367	1362	1355	1350	1350	-	-

Down Flow		External Static Pressure (in. wg)										
		0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
350 CFM/Ton Setting	Low	-	722	745	747	744	742	743	744	736	-	-
	High	-	1032	1064	1066	1063	1060	1062	1063	1052	-	-
400 CFM/Ton Setting	Low	-	830	841	842	840	839	838	836	826	-	-
	High	-	1186	1201	1203	1201	1198	1197	1194	1184	-	-
450 CFM/Ton Setting	Low	-	978	965	964	963	956	946	941	949	-	-
	High	-	1397	1376	1377	1376	1368	1354	1344	1356	-	-

Indoor Blower Performance

Indoor Fan Performance 4WCZ6048

Horizontal		External Static Pressure (in. wg)										
		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	1366	1356	1349	-	-
400 CFM/Ton Setting	Low	-	1121	1106	1104	1106	1106	1106	1104	1097	-	-
	High	-	1601	1560	1577	1560	1563	1563	1577	1567	-	-
450 CFM/Ton Setting	Low	-	1223	1254	1266	1271	1266	1264	1261	1256	-	-
	High	-	1747	1792	1811	1816	1812	1806	1801	1797	-	-

Down Flow		External Static Pressure (in. wg)										
		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	-	946	977	977	970	969	975	979	962	-	-
	High	-	1354	1396	1396	1366	1364	1393	1399	1375	-	-
400 CFM/Ton Setting	Low	-	1102	1106	1109	1113	1116	1119	1120	1118	-	-
	High	-	1574	1560	1565	1569	1594	1599	1601	1597	-	-
450 CFM/Ton Setting	Low	-	1295	1277	1272	1273	1274	1273	1272	1273	-	-
	High	-	1651	1624	1617	1616	1620	1619	1617	1619	-	-

Indoor Fan Performance 4WCZ6060

Horizontal		External Static Pressure (in. wg)										
		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	1236	1259	1256	1246	1240	1237	1230	-	-
	High	-	1662	1766	1799	1794	1760	1771	1767	1757	-	-
400 CFM/Ton Setting	Low	-	1443	1427	1422	1422	1423	1422	1416	1410	-	-
	High	-	2062	2036	2031	2032	2034	2032	2025	2015	-	-

Down Flow		External Static Pressure (in. wg)										
		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	1206	1207	1206	1199	1166	1165	-	-
	High	-	1799	1742	1726	1725	1723	1712	1696	1692	-	-
400 CFM/Ton Setting	Low	-	1410	1393	1366	1364	1363	1360	1366	1344	-	-
	High	-	2015	1990	1960	1977	1976	1971	1955	1920	-	-

Indoor Blower Performance

4WCZ6024 AIRFLOW WITH AUXILIARY HEAT (CFM)

SWITCH SETTINGS		SELECTION	NOMINAL AIRFLOW
7-OFF	8-OFF	LOW	700 CFM
7-ON	8-OFF	HIGH	800 CFM
7-OFF	8-ON	HIGH	800 CFM
7-ON	8-ON	HIGH	800 CFM

Indoor Blower Performance

4WCZ6036 AIRFLOW WITH AUXILIARY HEAT (CFM)

SWITCH SETTINGS		SELECTION	NOMINAL AIRFLOW
7-OFF	8-OFF	LOW	1050 CFM
7-ON	8-OFF	HIGH	1200 CFM
7-OFF	8-ON	HIGH	1200 CFM
7-ON	8-ON	HIGH	1200 CFM

4WCZ6048 AIRFLOW WITH AUXILIARY HEAT (CFM)

SWITCH SETTINGS		SELECTION	NOMINAL AIRFLOW
7-OFF	8-OFF	LOW	1400 CFM
7-ON	8-OFF	HIGH	1600 CFM
7-OFF	8-ON	HIGH	1600 CFM
7-ON	8-ON	HIGH	1600 CFM

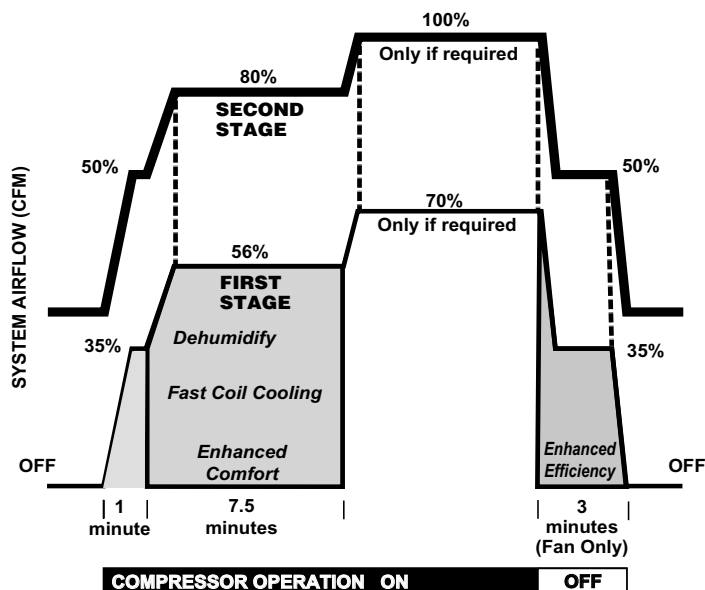
4WCZ6060 AIRFLOW WITH AUXILIARY HEAT (CFM)

SWITCH SETTINGS		SELECTION	NOMINAL AIRFLOW
7-OFF	8-OFF	LOW	1400 CFM
7-ON	8-OFF	HIGH	1600 CFM
7-OFF	8-ON	HIGH	1600 CFM
7-ON	8-ON	HIGH	1600 CFM

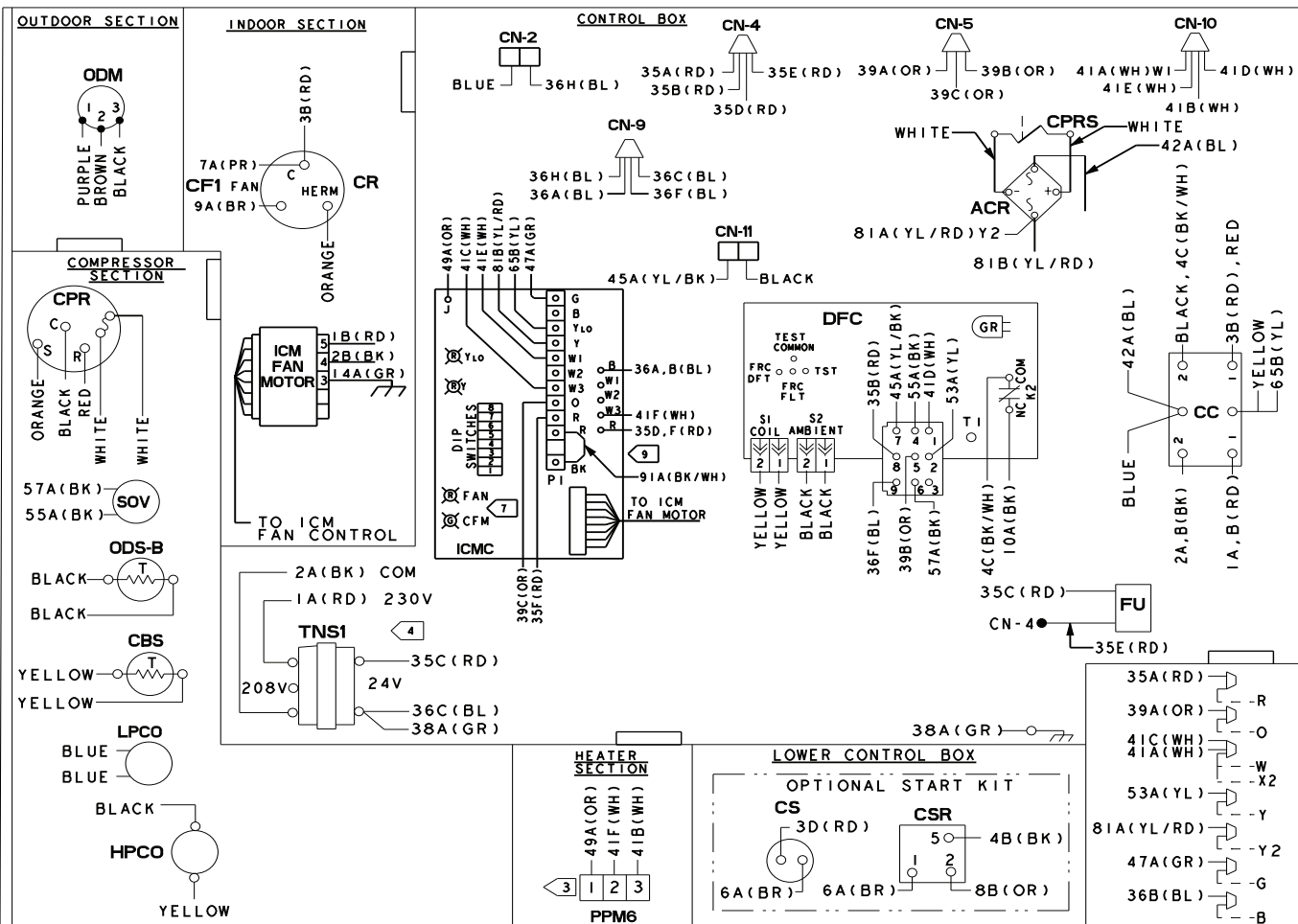
COOLING FAN DELAY OPTIONS

SWITCH SETTINGS		DELAY	NOMINAL AIRFLOW
5-OFF	6-OFF	NONE	100%
5-ON	6-OFF	45 SEC	100%
5-OFF	6-ON	90 SEC	50%
5-ON	6-ON	**	50-100%

** This ENHANCED MODE selection provides a ramping up and ramping down of the indoor blower speed to provide improved comfort, quietness, and potential energy savings. The Graph below shows the ramping process



Typical Wiring



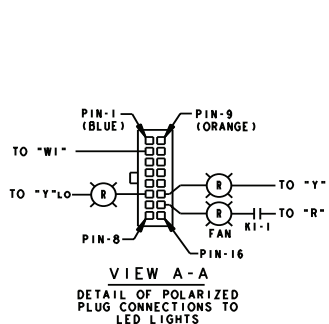
NOTES:

1. MUST USE THERMOSTAT
•CONT402A, •CONT802A,
•CONT803A, •CONT624A, OR
•CONT824A WITH THIS UNIT
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN
"B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A
HEATER IS INSTALLED.
3. SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
4. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES:
A: REMOVE 1A(RD) WIRE FROM TNS1 AND CONNECT TO TNS1 AT 208V TERMINAL.
5. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT
6. THE GREEN LED ON THE ICMC BOARD FLASHES ONCE PER HUNDRED CFM.
7. IF OPTIONAL HUMIDISTAT ACCESSORY IS USED, ON THE ICMC BOARD CUT
THE 91A(BK/WH) JUMPER AND CONNECT THE HUMIDISTAT BETWEEN TERMINALS.

WIRE COLOR DESIGNATION			
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 300 VOLT TYPE GMD-3.2 AMP

DEVICE	DESCRIPTION	LINE
AH,BH	CONTACTOR ELECTRIC HEAT	39-40
CBS	COIL BOTTOM SENSOR	32
CC	COMPRESSOR CONTACTOR COIL	41
CN	CONNECTOR OR WIRE NUT	
CPR	COMPRESSOR	14
CR	COMPRESSOR RUN CAPACITOR	13
CS	COMPRESSOR START CAPACITOR	9
CSR	COMPRESSOR START RELAY COIL	9
DFC	DEFROST CONTROL	26-36
FU	FUSE	25
ICM	INTEGRATED COMMUTATED MOTOR	20
IOL	INTERNAL OVERLOAD	
ODM	OUTDOOR FAN MOTOR	18
ODS	OUTDOOR AMBIENT SENSOR	35
ICMC	INTEGRATED COMMUTATED MOTOR	45-51
PPM6	HEATER PLUG (FEMALE)	39, 40
SOV	SWITCHOVER VALVE	36
TNSI	CONTROL POWER TRANSFORMER	24
LPCO	LOW PRESSURE SWITCH	46
HPCO	HIGH PRESSURE SWITCH	41
CPRS	COMPRESSOR SOLENOID	43
CFI	OUTDOOR FAN CAPACITOR	15
ACR	RECTIFIER BRIDGE	45



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

Typical Wiring

4WCZ6024

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.

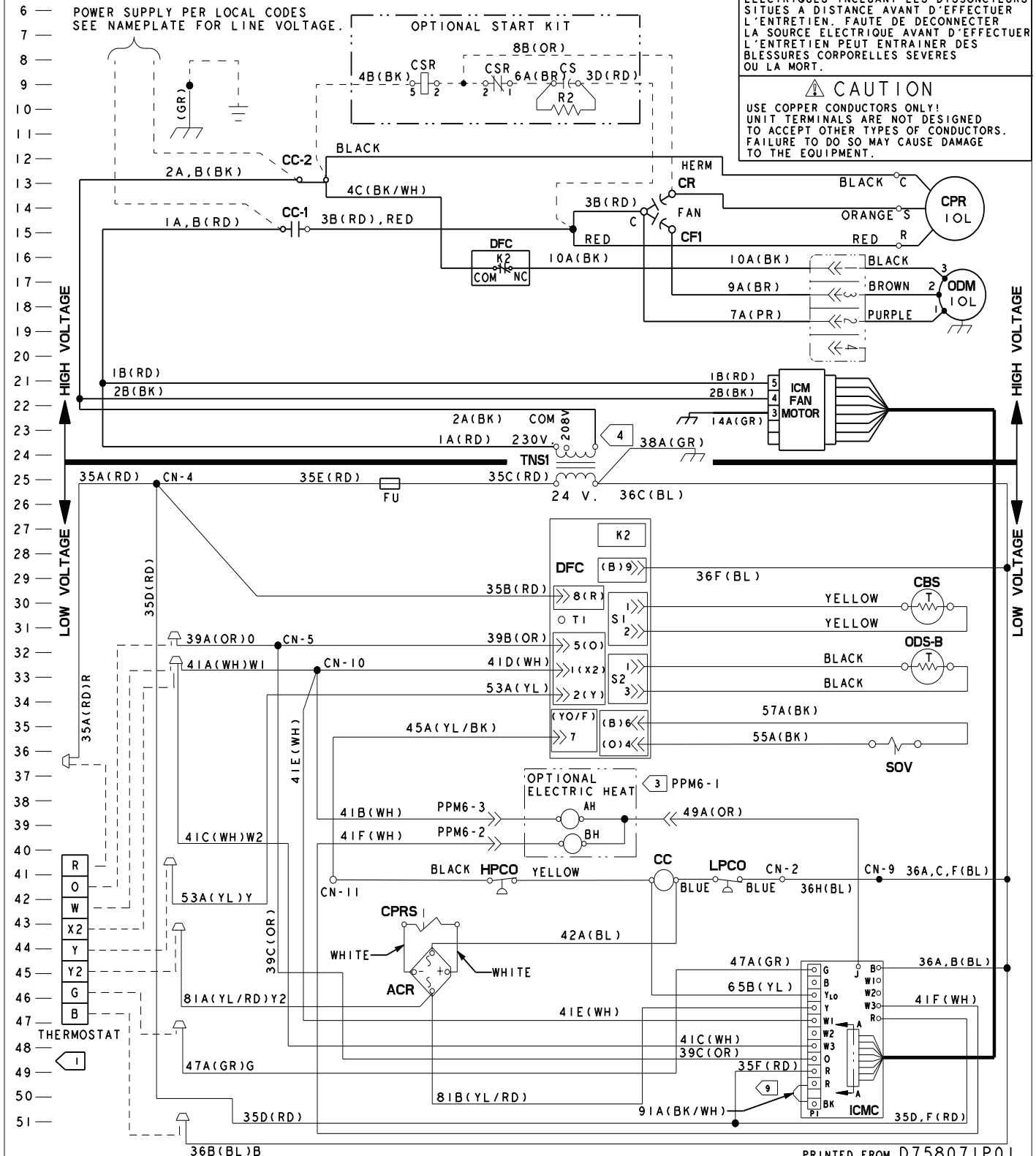
UNIT FACTORY WIRED FOR 230V
SEE WIRING DIAGRAM NOTES FOR REQUIRED WIRING CHANGES WHEN INSTALLED ON A 208V POWER SUPPLY.

MODELS
4WCZ6024A1

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.

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

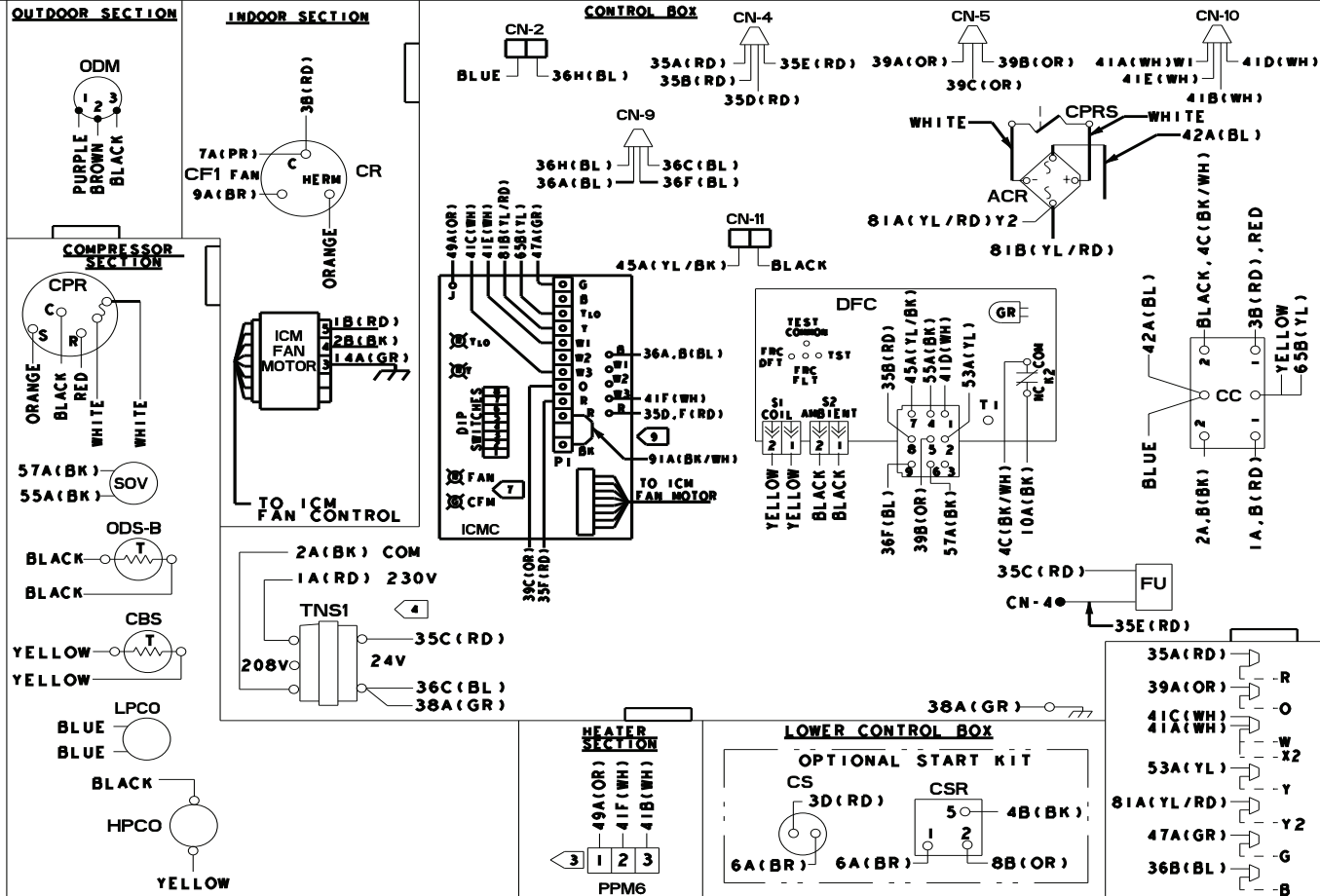
CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.



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4WCZ6036B1

MODELS

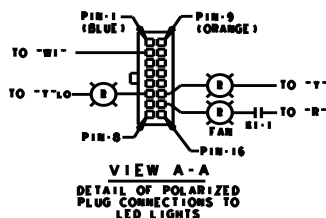


1

1. CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2 AND MUST BE A MIN. OF 18 A.W.G.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
3. SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
4. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES:
A: REMOVE 1A(RD) WIRE FROM TNS1 AND CONNECT TO TNS1 AT 208V TERMINAL.
5. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
6. "T" TERMINAL IS NOT CONNECTED WHEN AN ELECTRONIC THERMOSTAT IS USED.
7. THE GREEN LED ON THE ICMC BOARD FLASHES ONCE PER HUNDRED CFM.
8. WHEN MECHANICAL THERMOSTATS ARE USED, DO NOT CONNECT THE "W" LEAD AT THERMOSTAT.
9. IF OPTIONAL HUMIDISTAT ACCESSORY IS USED, ON THE ICMC BOARD CUT THE 91A(BK/WH) JUMPER AND CONNECT THE HUMIDISTAT BETWEEN TERMINALS.
- 24 V
FU
- | DEVICE |
|--------|
| AM, BH |
| CHS |
| CBS |
| CC |
| CH |
| CR |

WIRE COLOR DESIGNATION			
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 300 VOLT TYPE GMD-3.2 AMP

[illegible]

ICMC DIP SWITCH SETTINGS

DIP SWITCH SETTINGS				COOLING / HEATING CFM	NOMINAL AIRFLOW
SW 1	SW 2	SW 3	SW 4	MECHANICAL	
OFF	OFF	OFF	ON	350 CFM/TON	
OFF	OFF	OFF	OFF	400 CFM/TON	••
OFF	OFF	ON	OFF	450 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				
ON	ON				

•• FACTORY SETTING.

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

•• 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.

Typical Wiring

4WCZ6036B1

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.

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

MODELS
4WCZ6036B1

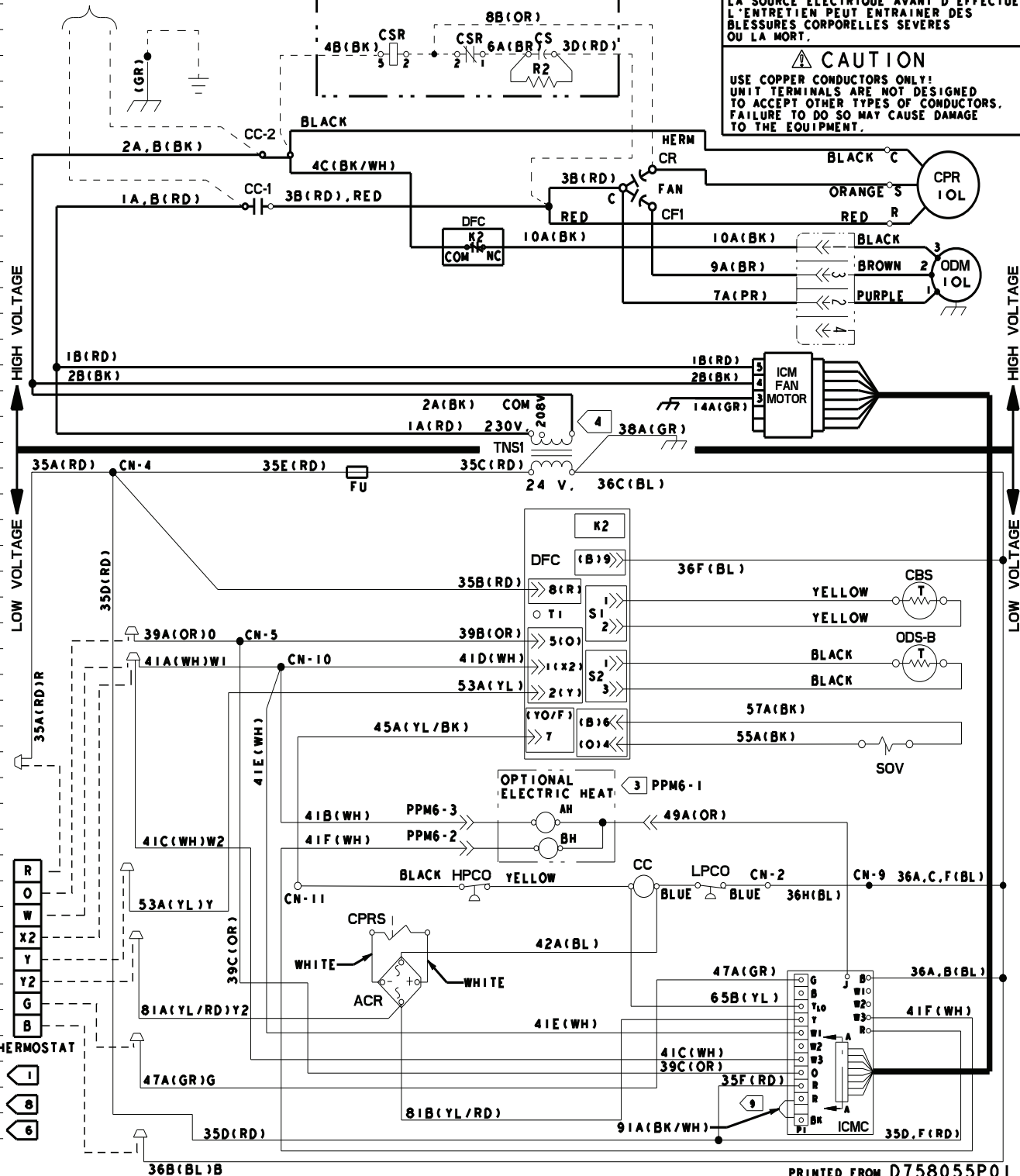
WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER SUPPLY BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

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

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.

POWER SUPPLY PER LOCAL CODES
SEE NAMEPLATE FOR LINE VOLTAGE.

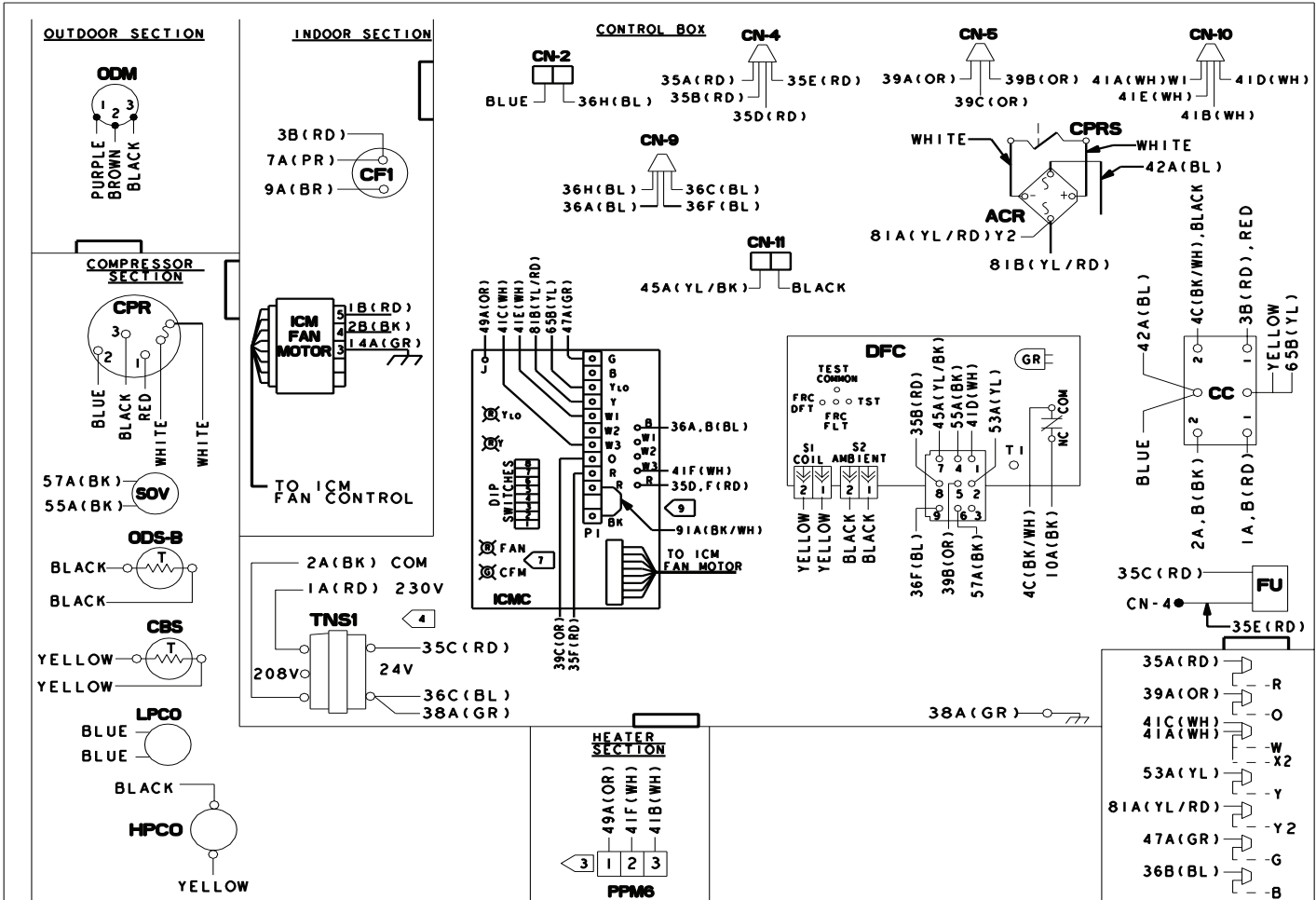
OPTIONAL START KIT



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Typical Wiring

4WCZ6036B3

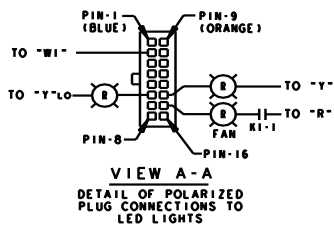


NOTES:

1. CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2 AND MUST BE A MIN. OF 18 A.W.G.
2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS, 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
3. SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
4. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES:
A: REMOVE 1A(RD) WIRE FROM TNSI AND CONNECT TO TNSI AT 208V TERMINAL.
5. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
6. "T" TERMINAL IS NOT CONNECTED WHEN AN ELECTRONIC THERMOSTAT IS USED.
7. THE GREEN LED ON THE ICMC BOARD FLASHES ONCE PER HUNDRED CFM.
8. WHEN MECHANICAL THERMOSTATS ARE USED, DO NOT CONNECT THE "W" LEAD AT THERMOSTAT.
9. IF OPTIONAL HUMIDISTAT ACCESSORY IS USED, ON THE ICMC BOARD CUT THE 91A(BK/WH) JUMPER AND CONNECT THE HUMIDISTAT BETWEEN TERMINALS.

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

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



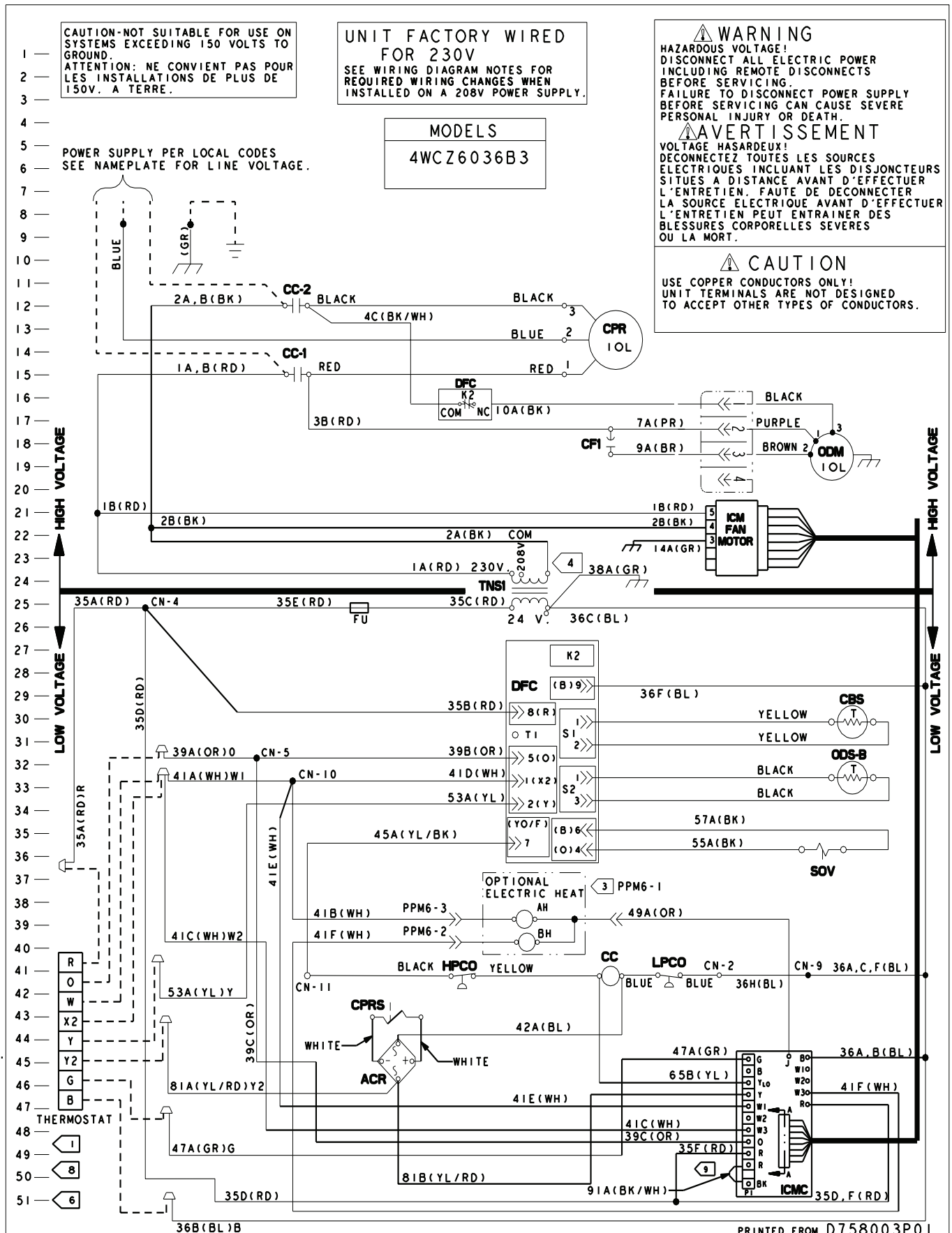
ICMC DIP SWITCH SETTINGS						
DIP SWITCH SETTINGS				COOLING/ HEAT PUMP CFM	NOMINAL AIRFLOW	
SW 1	SW 2	SW 3	SW 4			
OFF	OFF	OFF	ON	350 CFM/TON		
OFF	OFF	OFF	OFF	400 CFM/TON		**
OFF	OFF	ON	OFF	450 CFM/TON		
				FAN OFF-DELAY OPTIONS		
	SW 5	SW 6		NONE	NOMINAL	
	OFF	OFF		45 SECONDS	100% NOMINAL	**
	ON	OFF		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		400 CFM/TON		
** FACTORY SETTING.						
AT CONTINUOUS FAN SETTING (4°C ONLY) AIRFLOW VALUES ARE APPROXIMATELY 50% OF LISTED VALUE.						
THE HEAT PUMP FAN OFF-DELAY IS THE SAME AS THE COOLING MODE.						

** 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
CBS	COIL BOTTOM SENSOR	30
CC	COMPRESSOR CONTACTOR COIL	41
CN	CONNECTOR OR WIRE NUT	
CPR	COMPRESSOR	13
DFC	DEFROST CONTROL	26-36
FU	FUSE	25
ICM	INTEGRATED COMMUTATED MOTOR	20
IOL	INTERNAL OVERLOAD	
ODM	OUTDOOR FAN MOTOR	18
ODS	OUTDOOR AMBIENT SENSOR	33
ICMC	INTEGRATED COMMUTATED MOTOR CONTROL	45-51
PPM6	HEATER PLUG (FEMALE)	39, 40
SOV	SWITCHOVER VALVE	36
TNSI	CONTROL POWER TRANSFORMER	24
LPCO	LOW PRESSURE SWITCH	46
HPCO	HIGH PRESSURE SWITCH	41
CPRS	COMPRESSOR SOLENOID	43
CF1	OUTDOOR FAN CAPACITOR	18
ACR	RECTIFIER BRIDGE	45

Typical Wiring

4WCZ6036B3

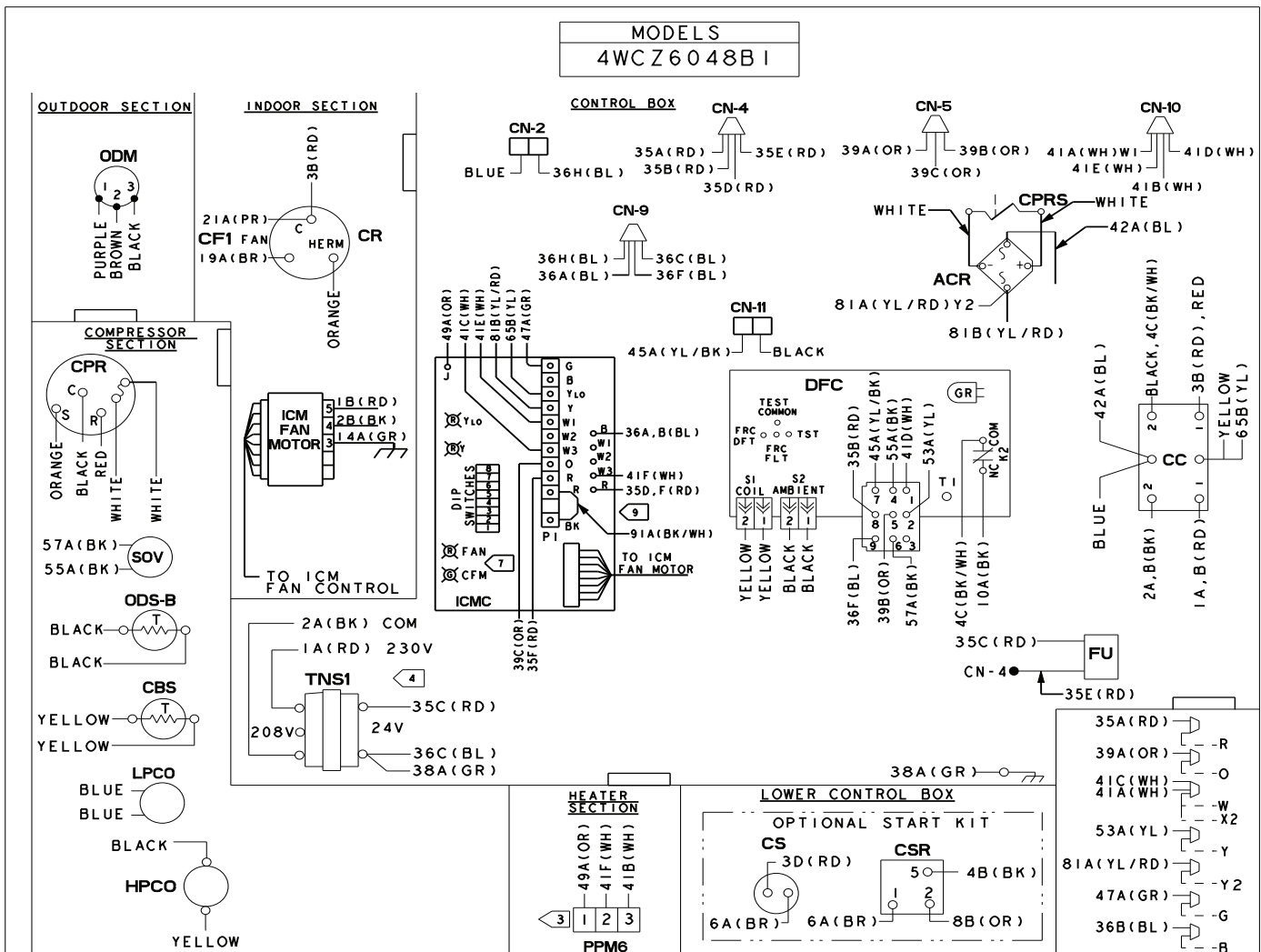


4WCZ6036B4



Typical Wiring

4WCZ6048B1



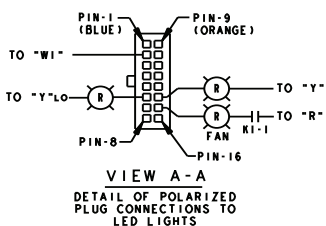
- NOTES:**
1. CONNECTIONS SHOWN ARE FOR A TYPICAL THERMOSTAT. SEE SCHEMATIC SUPPLIED WITH THERMOSTAT FOR PROPER CONNECTIONS. LOW VOLTAGE WIRING TO UNIT MAY BE NEC CLASS 2 AND MUST BE A MIN. OF 18 A.W.G.
 2. MAXIMUM ADDITIONAL EXTERNAL LOAD (PILOT DUTY) BETWEEN "B" AND "R" OF 0.5 AMPS. 24 VAC IS AVAILABLE WHEN A HEATER IS INSTALLED.
 3. SEE WIRING DIAGRAM WITH HEATER FOR DETAILS OF HEATER WIRING.
 4. FOR 208 VOLT OPERATION MAKE THE FOLLOWING WIRING CHANGES:
A: REMOVE 1A(RD) WIRE FROM TNS1 AND CONNECT TO TNS1 AT 208V TERMINAL.
 5. IF ANY OF THE ORIGINAL WIRE AS SUPPLIED IN THIS UNIT MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
 6. "T" TERMINAL IS NOT CONNECTED WHEN AN ELECTRONIC THERMOSTAT IS USED.
 7. THE GREEN LED ON THE ICMC BOARD FLASHES ONCE PER HUNDRED CFM.
 8. WHEN MECHANICAL THERMOSTATS ARE USED, DO NOT CONNECT THE "W" LEAD AT THERMOSTAT.
 9. IF OPTIONAL HUMIDISTAT ACCESSORY IS USED, ON THE ICMC BOARD CUT THE 91A(BK/WH) JUMPER AND CONNECT THE HUMIDISTAT BETWEEN TERMINALS.

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

24 VOLT TRANSFORMER FUSE REPLACEMENT
FU 300 VOLT TYPE GMD-3.2 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					
				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 VALVES ARE PROXIMATELY 50% OF LISTED VALUE.									
THE HEAT PUMP FAN OFF-DELAY IS THE SAME AS THE COOLING MODE.									

** 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
CBS	COIL BOTTOM SENSOR	32
CC	COMPRESSOR CONTACTOR COIL	41
CN	CONNECTOR OR WIRE NUT	
CPR	COMPRESSOR	14
CR	COMPRESSOR RUN CAPACITOR	13
CS	COMPRESSOR START CAPACITOR	9
CSR	COMPRESSOR START RELAY COIL	9
DFC	DEFROST CONTROL	26-36
FU	FUSE	25
ICM	INTEGRATED COMMUTATED MOTOR	20
IOL	INTERNAL OVERLOAD	
ODM	OUTDOOR FAN MOTOR	18
ODS	OUTDOOR AMBIENT SENSOR	35
ICMC	INTEGRATED COMMUTATED MOTOR	45-51
PPM6	HEATER PLUG (FEMALE)	39, 40
SOV	SWITCHOVER VALVE	36
TNS1	CONTROL POWER TRANSFORMER	24
LPCO	LOW PRESSURE SWITCH	46
HPCO	HIGH PRESSURE SWITCH	41
CPRS	COMPRESSOR SOLENOID	43
CF1	OUTDOOR FAN CAPACITOR	15
ACR	RECTIFIER BRIDGE	45

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