

Parts List

***Tech Labels
Wiring Diagrams***

Models

Single Phase

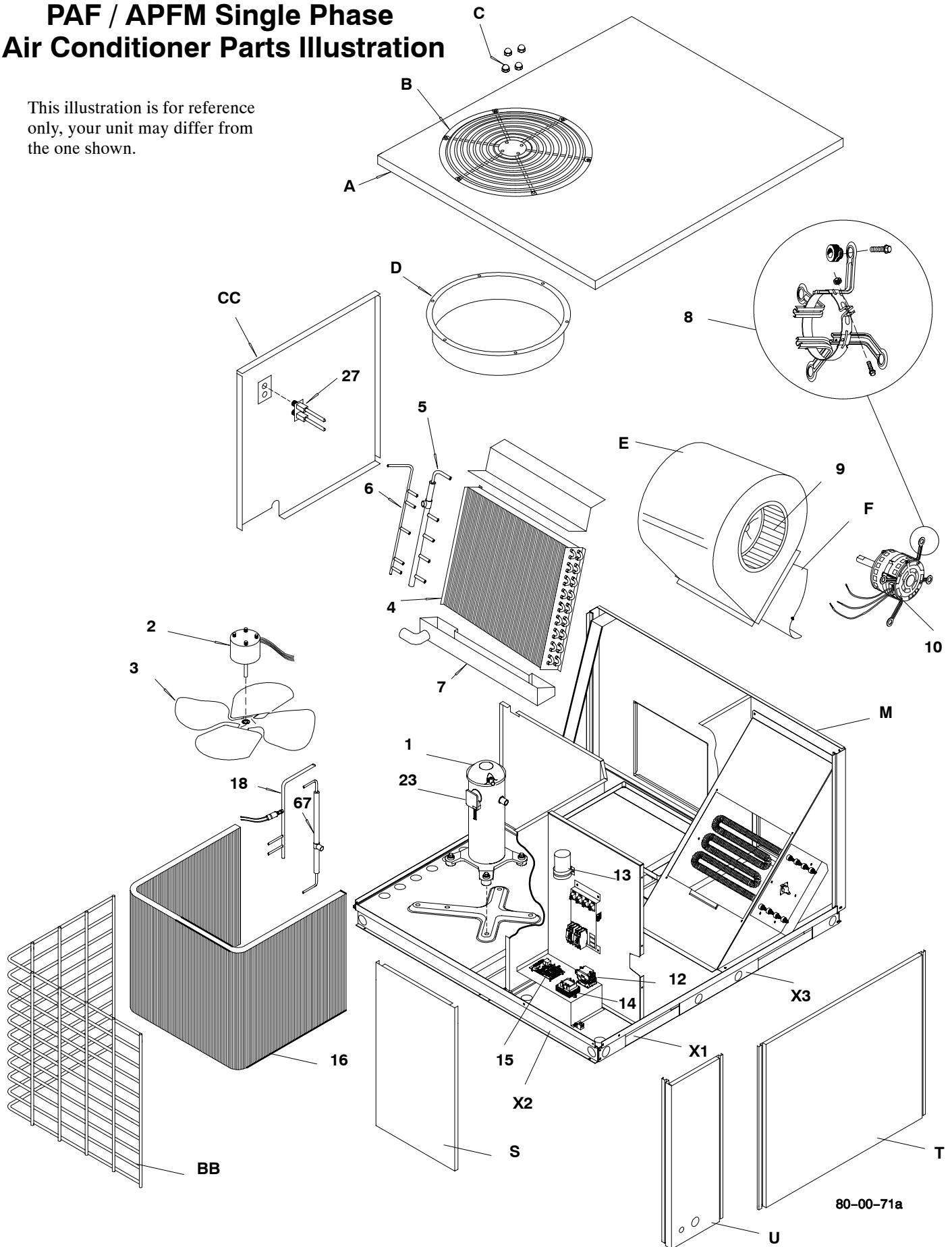
PAF024K000A	APFM24K000A
PAF030K000A	APFM30K000A
PAF036K000A	APFM36K000A
PAF042K000A	APFM42K000A
PAF048K000A	APFM48K000A
PAF060K000B	APFM60K000B

Single Package Air Conditioners

Save This Manual For Future Reference

PAF / APFM Single Phase Air Conditioner Parts Illustration

This illustration is for reference only, your unit may differ from the one shown.



80-00-71a

**PARTS LIST, MODELS: PAF024K000A, PAF030K000A, PAF036K000A, PAF042K000A, PAF048K000A, PAF060K000B
APFM24K000A, APFM30K000A, APFM36K000A, APFM42K000A, APFM48K000A, APFM60K000B**

	DESCRIPTION	PART NUMBER	2 4 K	3 0 K	3 6 K	4 2 K	4 8 K	6 0 K
1	Compressor, CR22KFPFV	1082716	1					
1	CR28KFPFV	1082717	*	1				
1	CR32KFPFV	1082718	*	*	1			
1	CR38K6PFV	1082719	*	*	*	1		
1	CR42K6PFV	1084516	*	*	*	*	1	
1	SRD580AC01	1084519	*	*	*	*	*	1
2	Motor, Condenser Fan	1082639	1	1				
2		1082642	*	*	1	1	1	1
3	Fan, Condenser	1096903	1	1				
3		1096902	*	*	1	1	1	1
4	Coil, Evaporator	1085449	1					
4		1085425	*	1				
4		1085426	*	*	1			
4		1097856	*	*	*	1		
4		1085428	*	*	*	*	1	
4		1085556	*	*	*	*	*	1
5	Manifold, Evap (Suction)	1085448	1	1				
5		1085450	*	*	1	1		
5		1085452	*	*	*	*	1	
5		1085560	*	*	*	*	*	1
6	Manifold, Evap (Liquid)	1085442	1					
6		1085443	*	1				
6		1085444	*	*	1			
6		1097857	*	*	*	1		
6		1085446	*	*	*	*	1	
6		1085559	*	*	*	*	*	1
7	Pan, Drain	1098037	1	1	1	1	1	1
8	Mount, Blower Motor Kit	1004905	1	1	1	1		
8		1002804	*	*	*	*	1	1
9	Wheel, Blower 10-8DD	600587	1	1	1	1		
9	11-11DD	1097529	*	*	*	*	1	
9	11-11DD	1054593	*	*	*	*	*	1
10	Motor, Blower	1083043	1					
10		1083044	*	1	1			
10		1083045	*	*	*	1		
10		1083046	*	*	*	*	1	
10		1054586	*	*	*	*	*	1

	DESCRIPTION	PART NUMBER	2 4 K	3 0 K	3 6 K	4 2 K	4 8 K	6 0 K
11	Capacitor, 5Mfd 370Volt	1094954	1					
11	10Mfd 370Volt	1094956	*	1	1	1		
11	15Mfd 370Volt	1094959	*	*	*	*	1	
11	20Mfd 440Volt	1094968	*	*	*	*	*	1
12	Contactor, 25Amp	1050699	1	1	1	1		
12	40Amp	1059574	*	*	*	*	1	1
13	Capacitor, 35Mfd + 3Mfd 370Volt	1082632	1					
13	35Mfd + 3Mfd 440Volt	1082636	*	1				
13	40Mfd + 5Mfd 440Volt	1094987	*	*	1	1		
13	40Mfd + 5Mfd 370Volt	1094980	*	*	*	*	1	
13	60Mfd + 5Mfd 370Volt	1094991	*	*	*	*	*	1
14	Transformer	1082611	1	1	1	1	1	1
15	Control, Board	1082700	1	1	1	1	1	1
16	Coil, Condenser	1085549	1					
16		1096940	*	1				
16		1085550	*	*	1			
16		1098081	*	*	*	1		
16		1085553	*	*	*	*	1	
16		1085552	*	*	*	*	*	1
17	Manifold, Condenser (Liq- uid)	1085459	1					
17		1085462	*	*	*	*	1	
17		1085554	*	*	*	*	*	1
18	Manifold, Condenser (Dis- charge)	1085555	1					
18		1097653	*	1	1	1		
18		1114023	*	*	*	*	1	1
23	Plug, Compressor	1097674	1	1	1			
23		1096953	*	*	*	1	1	
23		1114024	*	*	*	*	*	1
27	Port Assembly	1083939	1	1	1	1	1	1

**PARTS LIST, MODELS: PAF024K000A, PAF030K000A, PAF036K000A, PAF042K000A, PAF048K000A, PAF060K000A
APFM24K000A, APFM30K000A, APFM36K000A, APFM42K000A, APFM48K000A, APFM60K000A**

	DESCRIPTION	PART NUMBER	2 4 K	3 0 K	3 6 K	4 2 K	4 8 K	6 0 K
A	Panel, Top	1084120	1	1	1	1	1	1
B	Grille, Outlet	1084490	1	1	1	1	1	1
BB	Grille, Inlet	1084255	1	1	1	1		
BB		1084268	*	*	*	*	1	1
C	Nut, Cap	1067902	4	4	4	4	4	4
CC	Panel, Access Compressor	1084137	1	1	1	1		
CC		1084168	*	*	*	*	1	1
D	Orifice, Condenser fan	1065724	1	1	1	1	1	1
E	Housing, Blower	1085665	1					
E		1085665	*	1	1	1		
E		1085666	*	*	*	*	1	1
F	Panel, Blower Cutoff	95143	1	1	1	1		
F		1065073	*	*	*	*	1	1
M	Panel, Rear	1084104	1	1	1	1		
M		1084140	*	*	*	*	1	1
S	Panel, Access Heating	1084134	1	1	1	1		
S		1097977	*	*	*	*	1	1
T	Panel, Access Blower	1084156	1	1	1	1		
T		1084153	*	*	*	*	1	1
U	Post, Corner	1084155	1	1	1	1		
U		1084170	*	*	*	*	1	1
X1	Rail, Base (Front & Rear)	1084101	2	2	2	2	2	2
X2	Rail, Base (Center)	1096995	1	1	1	1	1	1
X3	Rail, Base (End)	1084102	2	2	2	2	2	2
)(	Manual, Parts List	51904120 1	1	1	1	1	1	1
)(	Manual, Users	42102110 2	1	1	1	1	1	1
)(	Manual, Installation	51901110 1	1	1	1	1	1	1

Unit Size			PAF024K / APFM24K															
Voltage			208/230/1/60															
Ampacity			16.6															
Max. Fuse			25															
Compressor																		
RLA			10.5															
LRA			56															
CAP MFD/V			35/370															
CC HEATER			N/A															
Cond & Evap																		
Type			Fan															
Size.			20.3															
Motor-Hp			1/5															
FLA			1.3															
LRA			n/a															
RPM			1140															
Cap MFD/Volts			3/370															
Hi Pressure			N/A															
Lo Pressure			N/A															
Low Ambient			N/A															
Low Charge Sw			N/A															
R-22, oz.																		
Operating Chg.																		
See Rating Plate																		
Service Driers																		
Liquid/Chg			Field															
Suction			Field															
Unit Weight			350															

Outdoor Ambient Temperature - Degrees F. Dry Bulb																															
75				85				95				105				115															
Cooling																															
IDB																															
59				63				67				71				59				63				67				71			
59				63				67				71				59				63				67				71			
70	MBh	22.1	22.9	25.1	-	21.6	22.4	24.5	-	21.1	21.8	23.9	-	20.0	20.7	22.7	-	18.5	19.2	21.0	-										
	S/T	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-										
	AMPS	10.3	10.5	10.8	-	11.1	11.3	11.6	-	11.7	12.0	12.3	-	12.4	12.6	13.0	-	13.0	13.3	13.7	-										
	HI PR	188	202	213	-	214	230	243	-	243	262	276	-	274	294	311	-	302	325	344	-										
	LOPR	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-										
75	MBh	22.5	23.2	25.1	26.9	22.0	22.6	24.5	26.3	21.4	22.1	23.9	25.6	20.3	21.0	22.7	24.3	18.8	19.4	21.0	22.5										
	S/T	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41										
	AMPS	10.4	10.6	10.9	11.3	11.2	11.4	11.7	12.1	11.8	12.1	12.4	12.8	12.5	12.7	13.1	13.5	13.1	13.4	13.8	14.2										
	HI PR	190	204	216	225	216	232	245	256	246	264	279	291	276	297	314	328	305	329	347	362										
	LOPR	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94										
80	MBh	22.9	23.4	25.0	26.7	22.3	22.8	24.4	26.1	21.8	22.3	23.8	25.4	20.7	21.2	22.6	24.2	19.2	19.6	20.9	22.4										
	S/T	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.75	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59										
	AMPS	10.5	10.7	11.0	11.3	11.3	11.5	11.8	12.2	11.9	12.2	12.5	12.9	12.6	12.8	13.2	13.6	13.2	13.5	13.9	14.3										
	HI PR	192	206	218	227	218	234	248	258	248	267	282	294	279	300	317	331	308	332	351	366										
	LOPR	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95										
85	MBh	23.3	23.7	24.9	26.5	22.7	23.2	24.3	25.9	22.2	22.6	23.7	25.3	21.1	21.5	22.5	24.0	19.5	19.9	20.8	22.2										
	S/T	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77										
	AMPS	10.6	10.8	11.1	11.4	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.7	12.9	13.3	13.7	13.3	13.6	14.0	14.5										
	HI PR	193	208	220	229	220	237	250	261	251	270	285	297	282	303	320	334	312	335	354	369										
	LOPR	65	69	76	81	68	72	79	84	71	76	83	88	75	80	87	92	77	82	90	96										

Air Delivery in CFM - Dry Coil
(Add .08 static W/Internal Filters - Subtract 25 CFM for Wet Coil)

230 Volt	External Static Pressure (Inch Water Column))					
Motor Speed	0.10	0.20	0.30	0.40	0.50	0.60
Hi	1072	1081	1085	1075	1058	1031
MD HI	764	777	775	775	773	760
MD LO						
LO	566	559	558	554	537	519

1098314
11-25-98

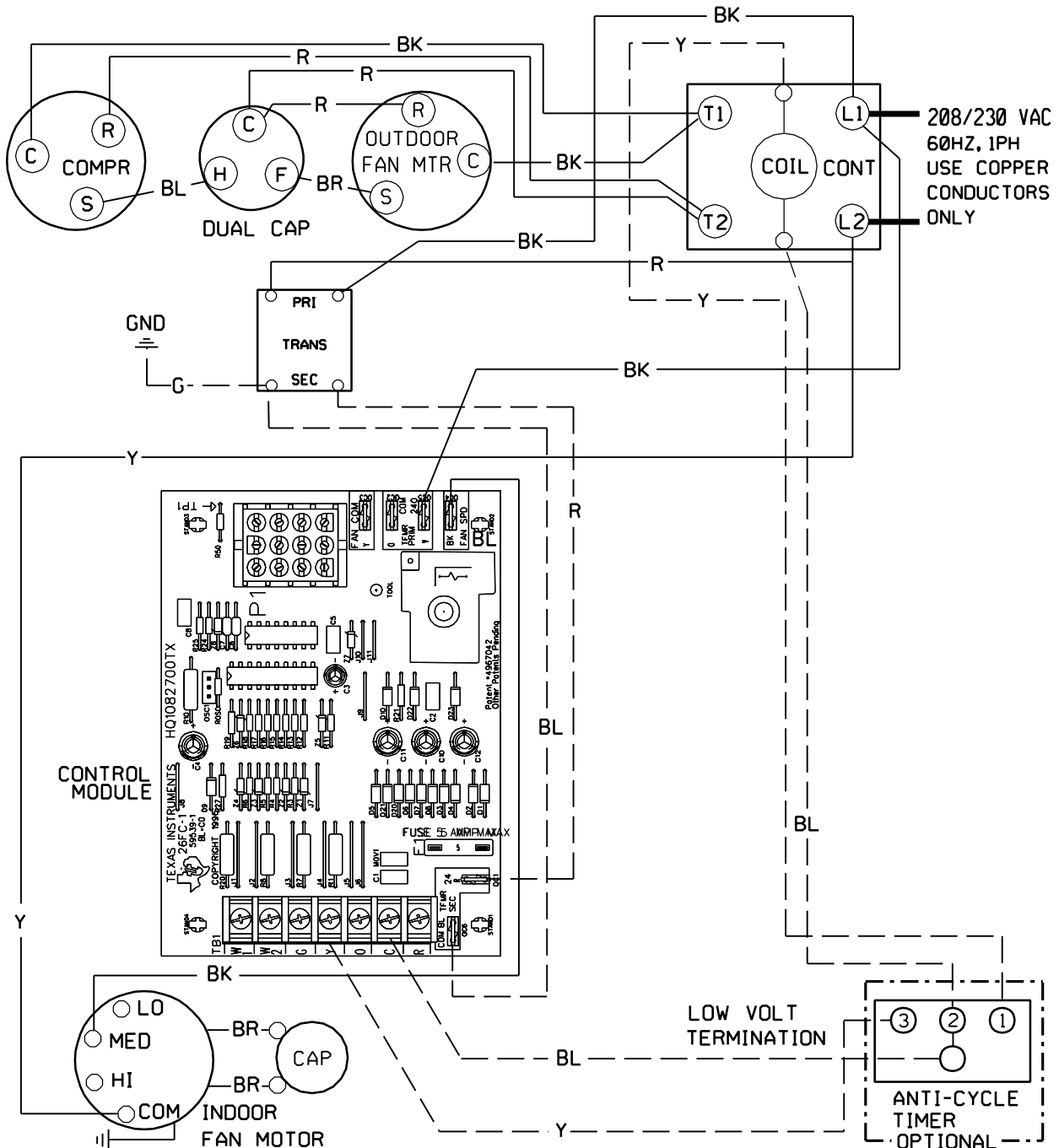
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1098317
11-25-98

2 THRU 4 TON Models Connection Wiring Diagram

CONNECTION WIRING DIAGRAM

DANGER: ELECTRICAL SHOCK HAZARD DISCONNECT POWER BEFORE SERVICING



IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE AWM-105°C OR ITS EQUIVALENT.

* SEE INSTALLATION INSTRUCTIONS FOR PROPER HEATING AND COOLING CONNECTIONS FOR YOUR UNIT

— LINE VOLTAGE FACTORY — LOW VOLTAGE FACTORY — INTERNAL CIRCUIT
 - - - LINE VOLTAGE FIELD - - - LOW VOLTAGE FIELD BOARD WIRING

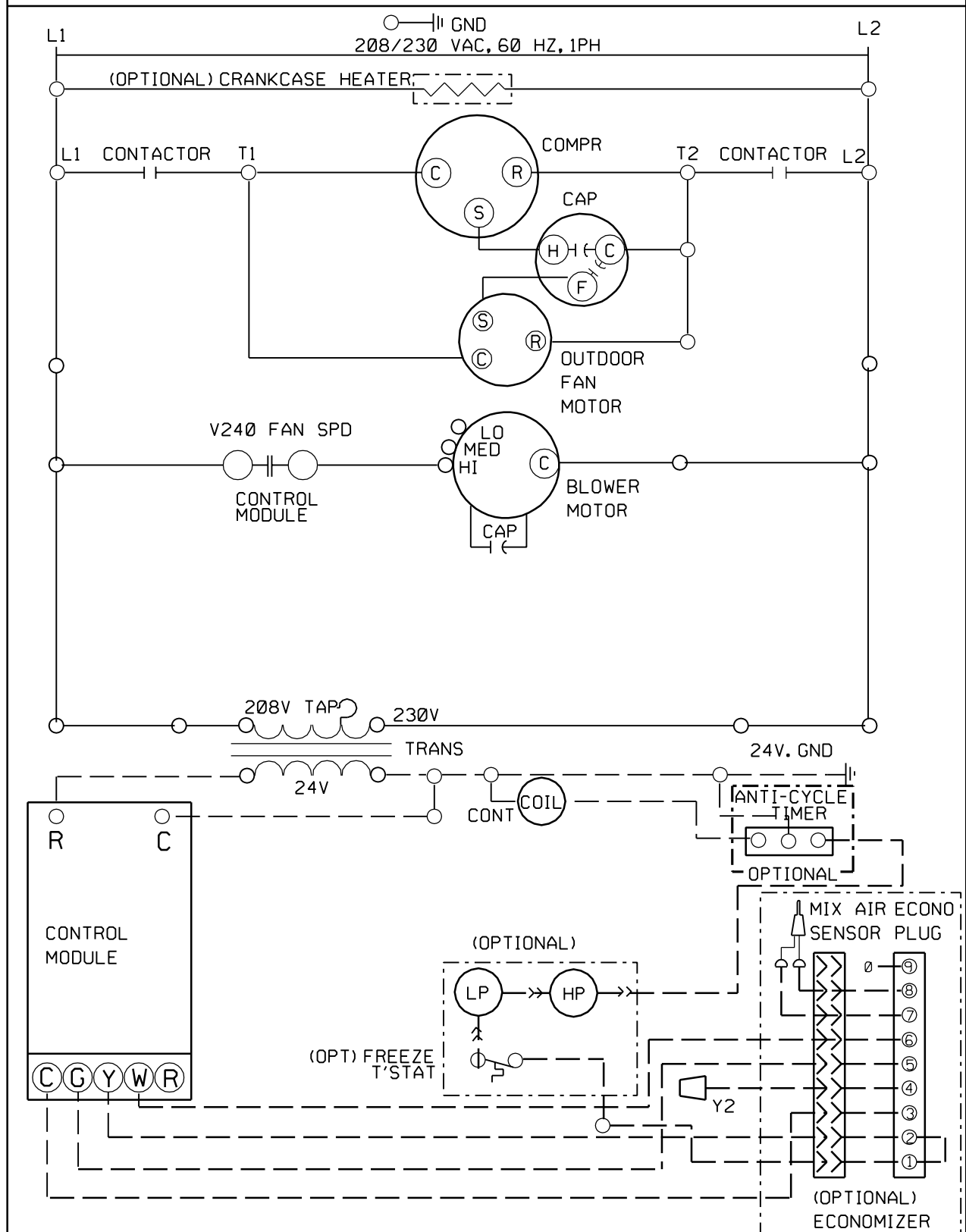
COLOR CODE:	GREEN ORANGE	G O	BLACK BLUE	BK BL	BROWN GRAY	BR GY	RED VIOLET	R V	WHITE YELLOW	W Y
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1098061-A

2 THRU 4 TON Models Ladder Wiring Diagram

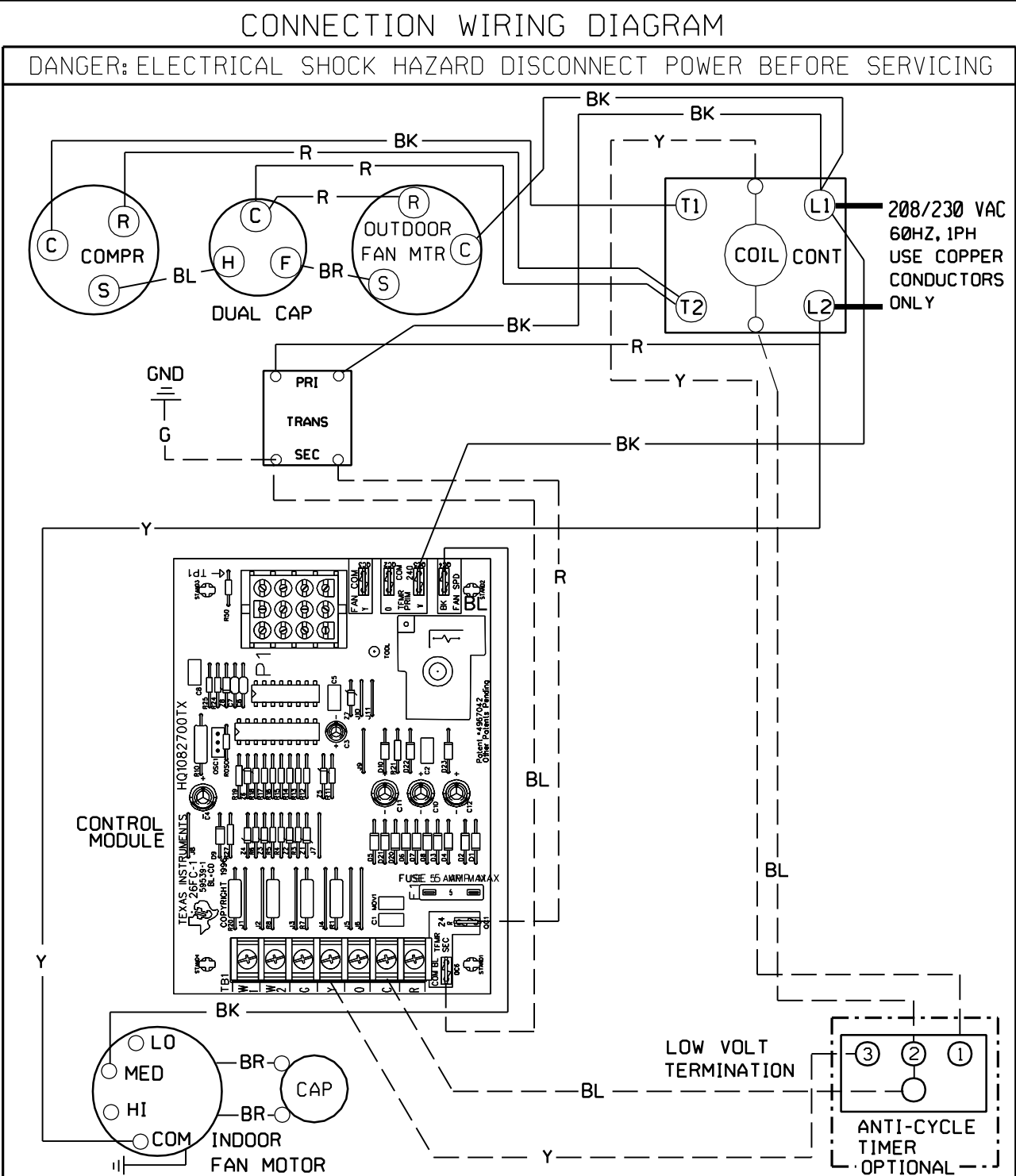
LADDER WIRING DIAGRAM

DANGER: ELECTRICAL SHOCK HAZARD DISCONNECT POWER BEFORE SERVICING



1098063-A

5 TON Model Connection Wiring Diagram



IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE AWM-105°C OR ITS EQUIVALENT.

* SEE INSTALLATION INSTRUCTIONS FOR PROPER HEATING AND COOLING CONNECTIONS FOR YOUR UNIT

— LINE VOLTAGE FACTORY	— LOW VOLTAGE FACTORY	== INTERNAL CIRCUIT
— LINE VOLTAGE FIELD	— LOW VOLTAGE FIELD	BOARD WIRING

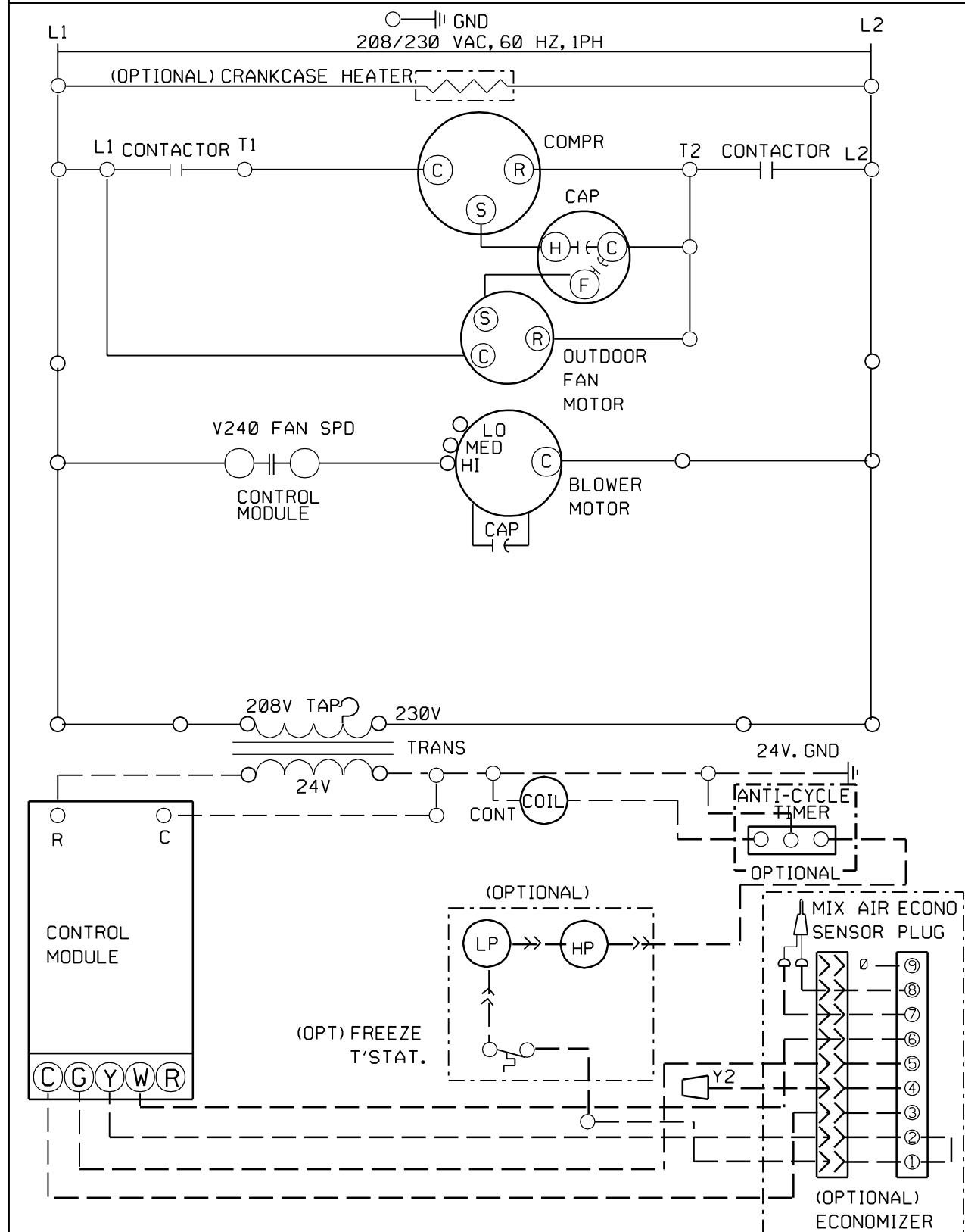
COLOR CODE:	GREEN G	BLACK BK	BROWN BR	RED R	WHITE W
	ORANGE O	BLUE BL	GRAY GY	VIOLET V	YELLOW Y

1098062-A

5 TON Model Ladder Wiring Diagram

LADDER WIRING DIAGRAM

DANGER: ELECTRICAL SHOCK HAZARD DISCONNECT POWER BEFORE SERVICING



1098064-A