Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

Models - CAC150HA, CAC150LA, CAC150SA, CAC180HB, CAC180LB, CAC180SB, CAC240HB, CAC240LB, CAC240SB
AAC150HA, AAC150LA, AAC150SA, AAC180HB, AAC180LB, AAC180SB, AAC240HB, AAC240LB, AAC240SB

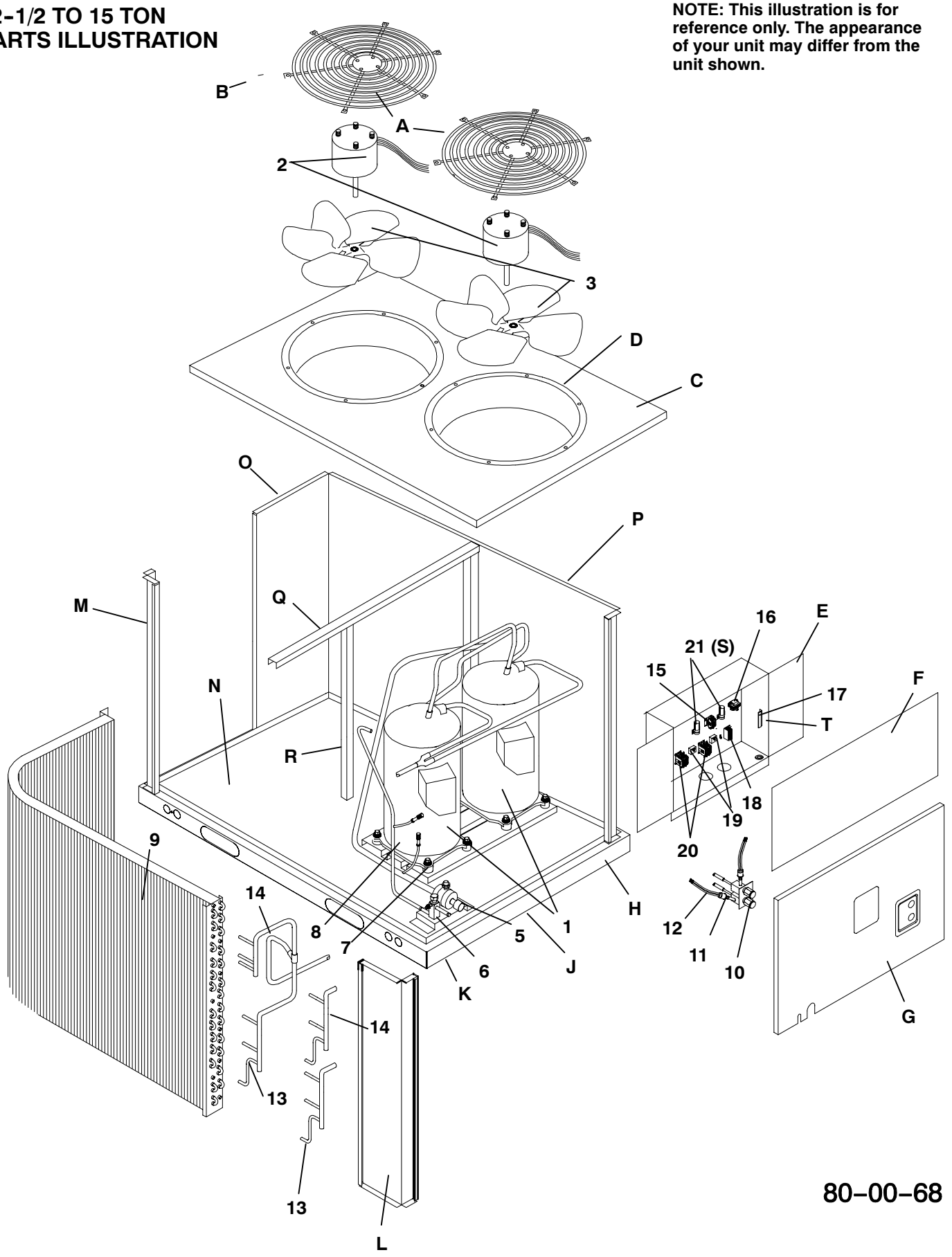
NO	DESCRIPTION	PART NUMBER	150HA	150LA	150SA	180HB	180LB	180SB	240HB	240LB	240SB
1	Compressor, ZRT144KCTF5	1097396	1								
1	ZRT144KCTFD	1097397	*	1							
1	ZRT144KCTFE	1097398	*	*	1						
1	SM180-3	1098136	*	*	*	1					
1	SM180-4	1098137	*	*	*	*	1				
1	SM180-7	1098138	*	*	*	*	*	1			
1	SM242-3	1098133	*	*	*	*	*	*	1		
1	SM242-4	1098134	*	*	*	*	*	*	*	1	
1	SM242-7	1098135	*	*	*	*	*	*	*	*	1
2	Motor, Condenser Fan, 230Volt, 3/4Hp	1070461	2			2					
2	460Volt, 3/4Hp	1070466	*	2			2				
2	575Volt, 3/4Hp	1070471	*	*	2			2			
2	230/460Volt, 1.5Hp	1083106	*	*	*	*	*	*	2	2	
2	575Volt, 1.5Hp	1083926	*	*	*	*	*	*	*	*	2
3	Fan, Condenser	1080797	2	2	2	2	2	2			
3		1083133	*	*	*	*	*	*	2	2	2
4	Mount, Condenser Motor	1081224	*	*	*	*	*	*	2	2	2
5	Valve, Service (Suction)	1097485	1	1	1						
5		1096501	*	*	*	1	1	1	1	1	1
6	Valve, Service (Liquid)	1063717	1	1	1	1	1	1			
6		1068791	*	*	*	*	*	*	1	1	1
7	Grommet, Compresor Mtg.	79608	6	6	6	6	6	6	6	6	6
8	Heater, Crankcase 70Watt 230Volt	1097444	2								
8	70Watt 460Volt	1097486	*	2							
8	70Watt 575Volt	1097487	*	*	2						
8	50Watt 230Volt	1098139	*	*	*	2			2		
8	50Watt 460Volt	1098140	*	*	*	*	2			2	
8	50Watt 575Volt	1098141	*	*	*	*	*	2			2
9	Coil, Condenser	1096688	1	1	1						
9		1096525	*	*	*	1	1	1			
9	Coil, Condenser (Left)	1097377	*	*	*	*	*	*	1	1	1
9A	Coil, Condenser (Right)	1097378	*	*	*	*	*	*	1	1	1
9B	Manifold, Cond	1083130	*	*	*	*	*	*	1	1	1
9C	Manifold, Discharge	1097474	*	*	*	*	*	*	1	1	1
10	Port Valve Asy	1096263	1	1	1	1	1	1	1	1	1
11	Switch, High Pressure	1096251	1	1	1	1	1	1	1	1	1
12	Switch, Low Pressure	1096252	1	1	1	1	1	1	1	1	1
13	Manifold, Discharge	1096545	2	2	2	2	2	2			
13		1097476	*	*	*	*	*	*	1	1	1
14	Manifold, Cond	1096547	2	2	2	2	2	2			
14		1083056	*	*	*	*	*	*	1	1	1
15	Contactor, 30Amp 2Pole	1054736	1	1	1	1	1	1			
15	20Amp 3Pole	1083121	*	*	*	*	*	*	1	1	1
16	Transformer, 230V Pri, 24V Sec.	1072393	1			1			1		
16	460/575V Pri, 24V Sec.	1072394	*	1	1	*	1	1		1	1
17	Board, Terminal	1066159	1	1	1	1	1	1	1	1	1
18	Block, Terminal	170720	1	1	1	1	1	1	1	1	1
19	Timer,Anticycle	1085325	2	2	2	2	2	2	2	2	2
20	Contactor, 40Amp 3Pole	1071334	2	2	2	2	2	2	2	2	2
21	Capacitor, 12.5Mfd, 440Volt	1094967	2	2	2	2	2	2			

Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

NO	DESCRIPTION	PART NUMBER	150HA	150LA	150SA	180HB	180LB	180SB	240HB	240LB	240SB
A	Grille, Condenser Fan	1072841	2	2	2	2	2	2	2	2	2
B	Nut, Cap	1067902	8	8	8	8	8	8			
B		1083113	*	*	*	*	*	*	8	8	8
C	Panel. Condenser Top	1084455	1	1	1	1	1	1			
C	Panel. Condenser Top	1084449	*	*	*	*	*	*	1	1	1
D	Orfice, Condenser Fan	1070458	2	2	2	2	2	2	2	2	2
E	Box, Control	1084448	1	1	1	1	1	1	1	1	1
F	Panel, Control Box	1097805	1	1	1	1	1	1			
F		1084347	*	*	*	*	*	*	1	1	1
G	Panel, Access	1097753	1	1	1						
G		1084457	*	*	*	1	1	1			
G		1084450	*	*	*	*	*	*	1	1	1
H	Rail. Base End (Right)	1084444	1	1	1	1	1	1	1	1	1
J	Rail, Base (Center)	1097432	1	1	1	1	1	1	1	1	1
K	Rail. Base End (Left)	1084443	1	1	1	1	1	1	1	1	1
L	Post, Condenser (Front)	1084454	1	1	1	1	1	1			
L		1084445	*	*	*	*	*	*	1	1	1
LL	Post, Condenser (Corner)	1084447	*	*	*	*	*	*	1	1	1
M	Post, Condenser (Corner)	1072755	1	1	1	1	1	1			
N	Panel, Base	1084442	1	1	1	1	1	1	1	1	1
O	Panel, Condenser (Side)	1097740	1	1	1						
O		1097473	*	*	*	1	1	1			
O		1084446	*	*	*	*	*	*	1	1	1
P	Panel, Condenser (Side)	1084456	1	1	1	1	1	1			
Q	Brace, Top	1084458	1	1	1	1	1	1			
Q		1084460	*	*	*	*	*	*	1	1	1
R	Bracket, Top Support	1097733	1	1	1	1	1	1			
R		1084461	*	*	*	*	*	*	1	1	1
S	Clamp, Capacitor	1095022	2	2	2	2	2	2			
T	Bracket, Low Voltage Mtg.	1096510	1	1	1	1	1	1	1	1	1
)(	Manual, Parts List	501041301	1	1	1	1	1	1	1	1	1
)(	Manual, Installation	501011201	1	1	1	1	1	1	1	1	1

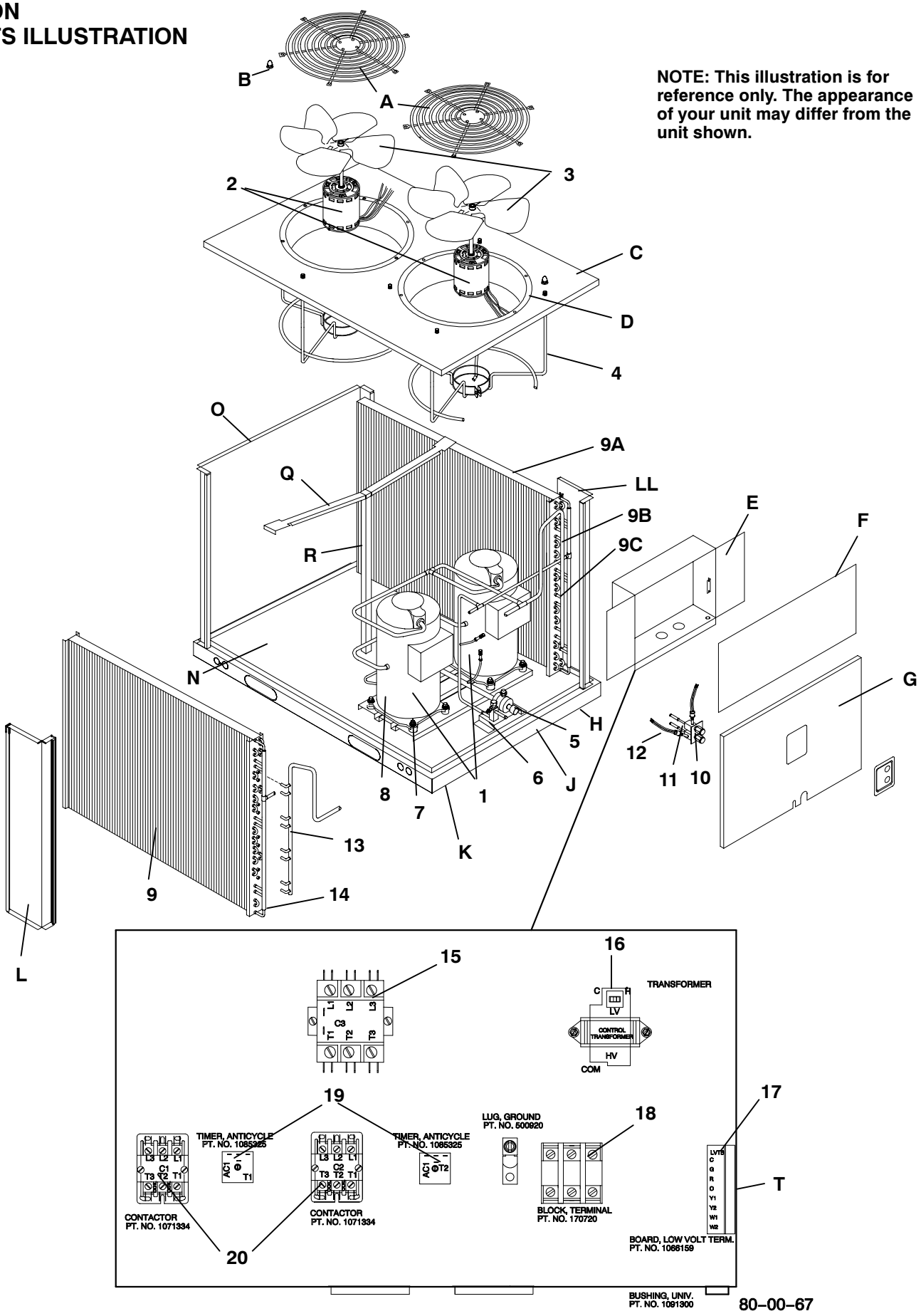
12-1/2 TO 15 TON PARTS ILLUSTRATION

NOTE: This illustration is for reference only. The appearance of your unit may differ from the unit shown.



20 TON
PARTS ILLUSTRATION

NOTE: This illustration is for reference only. The appearance of your unit may differ from the unit shown.



Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

Unit Size 12-1/2 Ton Split Condensor - 230 Volt

Voltage	208/230
Phase	3
Hz	60
Ampacity	49.8
Max. Fuse	60
Compressor #1	
RLA	18.59
LRA	156
Compressor #2	
RLA	18.59
LRA	156
Fan Motor	
Voltage/Ph/Hz	230/1/60
H.P. / QTY.	3/4 - 2
FLA / LRA	4.0 / 10.0
RPM	1100
CFM	10,600
Cap. MFD/Volts	12.5/440
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	350
Line Size	
Suction	1-3/8
Liquid	5/8

1097715
6-22-98

1st Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	79.9	82.2	89.0	95.5	78.0	80.3	86.9	93.2	76.1	78.3	84.8	91.0	72.2	74.4	80.5	86.4	66.9	68.9	74.6	80.0
	S/T	1.00	1.00	0.76	0.49	1.00	1.00	0.78	0.50	1.00	1.00	0.81	0.52	1.00	1.00	0.84	0.54	1.00	1.00	0.85	0.54
	AMPS	19.5	19.9	20.4	20.9	20.8	21.2	21.7	22.3	21.9	22.3	22.9	23.5	23.0	23.4	24.0	24.7	24.0	24.5	25.2	25.9
	HI PR	166	179	189	197	189	204	215	224	216	232	245	255	242	261	276	287	268	288	304	318
	LO PR	73	78	85	91	76	81	88	94	80	85	93	99	84	89	97	104	87	92	101	107
80	MBh	81.3	83.0	88.7	94.8	79.3	81.1	86.6	92.6	77.4	79.1	84.5	90.3	73.5	75.1	80.3	85.8	68.1	69.6	74.4	79.5
	S/T	1.00	1.00	0.94	0.71	1.00	1.00	0.97	0.72	1.00	1.00	1.00	0.75	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.78
	AMPS	19.7	20.0	20.5	21.1	20.9	21.3	21.9	22.5	22.0	22.4	23.0	23.7	23.1	23.6	24.2	24.9	24.2	24.7	25.3	26.1
	HI PR	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	308	321
	LO PR	74	79	86	92	77	82	89	95	81	86	94	100	85	90	98	105	88	93	102	108
85	MBh	82.7	84.3	88.3	94.2	80.7	82.3	86.2	91.9	78.8	80.3	84.1	89.7	74.8	76.3	79.9	85.2	69.3	70.6	74.0	78.9
	S/T	1.00	1.00	1.00	0.92	1.00	1.00	1.00	0.94	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	AMPS	19.8	20.2	20.7	21.2	21.1	21.5	22.0	22.7	22.2	22.6	23.2	23.9	23.3	23.7	24.4	25.1	24.4	24.9	25.5	26.3
	HI PR	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
	LO PR	75	80	87	93	78	83	90	96	82	87	95	101	86	91	99	106	89	94	103	109

2nd Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	136.1	140.1	151.7	162.8	132.8	136.8	148.0	158.9	129.6	133.4	144.4	155.0	123.1	126.8	137.2	147.3	114.0	117.4	127.1	136.4
	S/T	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
	AMPS	36.0	36.8	37.9	39.2	38.8	39.7	40.9	42.3	41.3	42.2	43.5	45.1	43.7	44.7	46.1	47.8	46.2	47.2	48.7	50.4
	HI PR	201	216	229	238	229	246	260	271	260	280	296	309	293	315	333	347	324	348	368	384
	LO PR	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
80	MBh	138.5	141.5	151.2	161.6	135.2	138.2	147.6	157.8	131.9	134.8	144.0	153.9	125.3	128.0	136.8	146.2	116.1	118.6	126.7	135.5
	S/T	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
	AMPS	36.3	37.1	38.2	39.5	39.2	40.0	41.3	42.7	41.6	42.6	43.9	45.4	44.1	45.1	46.5	48.2	46.6	47.6	49.1	50.9
	HI PR	203	219	231	241	231	249	263	274	263	283	299	312	296	319	336	351	327	352	372	388
	LO PR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
85	MBh	140.9	143.6	150.4	160.5	137.6	140.2	146.9	156.7	134.2	136.8	143.3	152.9	127.5	130.0	136.1	145.2	118.1	120.4	126.1	134.5
	S/T	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
	AMPS	36.6	37.4	38.5	39.9	39.5	40.4	41.6	43.1	42.0	42.9	44.3	45.8	44.5	45.5	46.9	48.6	47.0	48.0	49.6	51.3
	HI PR	205	221	233	243	233	251	265	277	266	286	302	315	299	322	340	354	330	355	375	392
	LO PR	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92

Unit Size 12-1/2 Ton Split Condensor - 460 Volt

Voltage	460
Phase	3
Hz	60
Ampacity	23.8
Max. Fuse	30
Compressor #1	
RLA	8.97
LRA	70
Compressor #2	
RLA	8.97
LRA	70
Fan Motor	
Voltage/Ph/Hz	230/1/60
H.P. / QTY.	3/4 - 2
FLA / LRA	1.8 / 4.3
RPM	1100
CFM	10,600
Cap. MFD/Volts	12.5/440
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	350
Line Size	
Suction	1-3/8
Liquid	5/8

1097716
6-22-98

1st Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	79.9	82.2	89.0	95.5	78.0	80.3	86.9	93.2	76.1	78.3	84.8	91.0	72.2	74.4	80.5	86.4	66.9	68.9	74.6	80.0
	S/T	1.00	1.00	0.76	0.49	1.00	1.00	0.78	0.50	1.00	1.00	0.81	0.52	1.00	1.00	0.84	0.54	1.00	1.00	0.85	0.54
	AMPS	9.8	9.9	10.2	10.5	10.4	10.6	10.8	11.2	10.9	11.1	11.4	11.8	11.5	11.7	12.0	12.4	12.0	12.2	12.6	13.0
	HI PR	166	179	189	197	189	204	215	224	216	232	245	255	242	261	276	287	268	288	304	318
	LO PR	73	78	85	91	76	81	88	94	80	85	93	99	84	89	97	104	87	92	101	107
80	MBh	81.3	83.0	88.7	94.8	79.3	81.1	86.6	92.6	77.4	79.1	84.5	90.3	73.5	75.1	80.3	85.8	68.1	69.6	74.4	79.5
	S/T	1.00	1.00	0.94	0.71	1.00	1.00	0.97	0.72	1.00	1.00	1.00	0.75	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.78
	AMPS	9.8	10.0	10.3	10.5	10.5	10.7	10.9	11.2	11.0	11.2	11.5	11.9	11.6	11.8	12.1	12.5	12.1	12.3	12.7	13.1
	HI PR	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	308	321
	LO PR	74	79	86	92	77	82	89	95	81	86	94	100	85	90	98	105	88	93	102	108
85	MBh	82.7	84.3	88.3	94.2	80.7	82.3	86.2	91.9	78.8	80.3	84.1	89.7	74.8	76.3	79.9	85.2	69.3	70.6	74.0	78.9
	S/T	1.00	1.00	1.00	0.92	1.00	1.00	1.00	0.94	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	AMPS	9.9	10.1	10.3	10.6	10.5	10.7	11.0	11.3	11.1	11.3	11.6	11.9	11.6	11.9	12.2	12.6	12.2	12.4	12.8	13.2
	HI PR	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
	LO PR	75	80	87	93	78	83	90	96	82	87	95	101	86	91	99	106	89	94	103	109

2nd Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	136.1	140.1	151.7	162.8	132.8	136.8	148.0	158.9	129.6	133.4	144.4	155.0	123.1	126.8	137.2	147.3	114.0	117.4	127.1	136.4
	S/T	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
	AMPS	18.0	18.4	19.0	19.6	19.4	19.9	20.5	21.2	20.6	21.1	21.8	22.5	21.9	22.4	23.1	23.9	23.1	23.6	24.3	25.2
	HI PR	201	216	229	238	229	246	260	271	260	280	296	309	293	315	333	347	324	348	368	384
	LO PR	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
80	MBh	138.5	141.5	151.2	161.6	135.2	138.2	147.6	157.8	131.9	134.8	144.0	153.9	125.3	128.0	136.8	146.2	116.1	118.6	126.7	135.5
	S/T	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
	AMPS	18.2	18.6	19.1	19.8	19.6	20.0	20.6	21.4	20.8	21.3	22.0	22.7	22.1	22.6	23.3	24.1	23.3	23.8	24.6	25.4
	HI PR	203	219	231	241	231	249	263	274	263	283	299	312	296	319	336	351	327	352	372	388
	LO PR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
85	MBh	140.9	143.6	150.4	160.5	137.6	140.2	146.9	156.7	134.2	136.8	143.3	152.9	127.5	130.0	136.1	145.2	118.1	120.4	126.1	134.5
	S/T	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
	AMPS	18.3	18.7	19.3	19.9	19.7	20.2	20.8	21.5	21.0	21.5	22.1	22.9	22.2	22.8	23.5	24.3	23.5	24.0	24.8	25.7
	HI PR	205	221	233	243	233	251	265	277	266	286	302	315	299	322	340	354	330	355	375	392
	LO PR	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92

Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

Unit Size 12-1/2 Ton Split Condensor - 575 Volt

Voltage	575
Phase	3
Hz	60
Ampacity	19.4
Max. Fuse	25
Compressor #1	
RLA	7.37
LRA	54
Compressor #2	
RLA	7.37
LRA	54
Fan Motor	
Voltage/Ph/Hz	230/1/60
H.P. / QTY.	3/4 - 2
FLA / LRA	1.4 / 3.7
RPM	1100
CFM	10,600
Cap. MFD/Volts	12.5/440
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	350
Line Size	
Suction	1-3/8
Liquid	5/8

1097717
6-22-98

1st Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	79.9	82.2	89.0	95.5	78.0	80.3	86.9	93.2	76.1	78.3	84.8	91.0	72.2	74.4	80.5	86.4	66.9	68.9	74.6	80.0
	S/T	1.00	1.00	0.76	0.49	1.00	1.00	0.78	0.50	1.00	1.00	0.81	0.52	1.00	1.00	0.84	0.54	1.00	1.00	0.85	0.54
	AMPS	7.8	7.9	8.1	8.4	8.3	8.5	8.7	8.9	8.7	8.9	9.1	9.4	9.2	9.3	9.6	9.9	9.6	9.8	10.1	10.4
	HI PR	166	179	189	197	189	203	215	224	215	232	245	255	242	261	275	287	267	288	304	317
	LO PR	73	78	85	91	76	81	89	94	80	85	93	99	84	89	98	104	87	92	101	107
80	MBh	81.3	83.0	88.7	94.8	79.3	81.1	86.6	92.6	77.4	79.1	84.5	90.3	73.5	75.1	80.3	85.8	68.1	69.6	74.4	79.5
	S/T	1.00	1.00	0.94	0.71	1.00	1.00	0.97	0.72	1.00	1.00	1.00	0.75	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.78
	AMPS	7.9	8.0	8.2	8.4	8.4	8.5	8.7	9.0	8.8	9.0	9.2	9.5	9.2	9.4	9.7	10.0	9.7	9.9	10.1	10.4
	HI PR	168	181	191	199	191	205	217	226	217	234	247	258	245	263	278	290	270	291	307	320
	LO PR	74	79	86	92	77	82	89	95	81	86	94	100	85	90	99	105	88	93	102	109
85	MBh	82.7	84.3	88.3	94.2	80.7	82.3	86.2	91.9	78.8	80.3	84.1	89.7	74.8	76.3	79.9	85.2	69.3	70.6	74.0	78.9
	S/T	1.00	1.00	1.00	0.92	1.00	1.00	1.00	0.94	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	AMPS	7.9	8.0	8.2	8.5	8.4	8.6	8.8	9.1	8.9	9.0	9.3	9.5	9.3	9.5	9.7	10.0	9.7	9.9	10.2	10.5
	HI PR	169	182	193	201	193	207	219	228	220	236	249	260	247	266	281	293	273	294	310	323
	LO PR	75	80	87	93	78	83	90	96	82	87	95	101	86	91	99	106	89	94	103	110

2nd Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	136.1	140.1	151.7	162.8	132.8	136.8	148.0	158.9	129.6	133.4	144.4	155.0	123.1	126.8	137.2	147.3	114.0	117.4	127.1	136.4
	S/T	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
	AMPS	14.4	14.7	15.2	15.7	15.6	15.9	16.4	17.0	16.6	16.9	17.4	18.1	17.5	17.9	18.5	19.2	18.5	18.9	19.5	20.2
	HI PR	201	216	229	238	229	246	260	271	260	280	296	309	293	315	333	347	324	348	368	384
	LO PR	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
80	MBh	138.5	141.5	151.2	161.6	135.2	138.2	147.6	157.8	131.9	134.8	144.0	153.9	125.3	128.0	136.8	146.2	116.1	118.6	126.7	135.5
	S/T	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
	AMPS	14.6	14.9	15.3	15.8	15.7	16.1	16.5	17.1	16.7	17.1	17.6	18.2	17.7	18.1	18.7	19.3	18.7	19.1	19.7	20.4
	HI PR	203	219	231	241	231	249	263	274	263	283	299	312	296	319	336	351	327	352	372	388
	LO PR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
85	MBh	140.9	143.6	150.4	160.5	137.6	140.2	146.9	156.7	134.2	136.8	143.3	152.9	127.5	130.0	136.1	145.2	118.1	120.4	126.1	134.5
	S/T	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
	AMPS	14.7	15.0	15.4	16.0	15.8	16.2	16.7	17.3	16.8	17.2	17.8	18.4	17.8	18.2	18.8	19.5	18.8	19.3	19.9	20.6
	HI PR	205	221	233	243	233	251	265	277	266	286	302	315	299	322	340	354	330	355	375	392
	LO PR	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92

Unit Size 15 Ton Split Condensor

Voltage	208/230
Phase	3
Hz	60
Ampacity	64.4
Max. Fuse	80
Compressor #1	
RLA	25.24
LRA	195
Compressor #2	
RLA	25.24
LRA	195
Fan Motor	
Voltage/Ph/Hz	230/1/60
H.P. / QTY.	.75 / 2
FLA / LRA	4.0 / 10.0
RPM	1100
CFM	11,600
Cap. MFD/Volts	12.5/440
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	450
Line Size	
Suction	1-3/8
Liquid	5/8

Matched with BHA240 / HBA240

2nd Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	165.4	170.3	184.3	197.8	161.4	166.2	179.9	193.1	157.5	162.2	175.5	188.4	149.6	154.1	166.7	179.0	138.6	142.7	154.5	165.8
	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	43.6	44.6	46.0	47.6	47.1	48.2	49.7	51.5	50.2	51.3	52.9	54.8	53.2	54.4	56.2	58.2	56.2	57.5	59.3	61.5
	HI PR	203	219	231	241	231	249	263	274	263	283	299	312	296	319	336	351	327	352	372	388
	LO PR	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
80	MBh	168.3	172.0	183.8	196.4	164.3	167.9	179.4	191.8	160.3	163.8	175.0	187.1	152.3	155.6	166.3	177.7	141.1	144.1	154.0	164.6
	S/T	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
	AMPS	44.0	45.0	46.4	48.0	47.5	48.6	50.1	51.9	50.6	51.8	53.4	55.3	53.7	54.9	56.7	58.7	56.7	58.0	59.9	62.0
	HI PR	205	221	233	243	233	251	265	277	266	286	302	315	299	322	340	354	330	355	375	392
	LO PR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
85	MBh	171.3	174.6	182.8	195.1	167.2	170.4	178.5	190.4	163.1	166.3	174.1	185.8	154.9	157.9	165.4	176.5	143.5	146.3	153.2	163.5
	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	44.4	45.4	46.8	48.4	47.9	49.0	50.6	52.4	51.0	52.2	53.9	55.8	54.1	55.4	57.2	59.2	57.2	58.5	60.4	62.6
	HI PR	207	223	235	246	236	254	268	279	268	289	305	318	302	325	343	358	334	359	379	395
	LO PR	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92

Matched with BHA180 / HBA180

2nd Stage

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	155.9	160.5	173.8	186.5	152.2	156.7	169.6	182.1	148.5	152.9	165.5	177.6	141.1	145.3	157.2	168.7	130.7	134.5	145.6	156.3
	S/T	0.93	0.83	0.63	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.92	0.69	0.45
	AMPS	43.6	44.6	46.0	47.6	47.1	48.2	49.7	51.5	50.2	51.3	52.9	54.8	53.2	54.4	56.2	58.2	56.2	57.5	59.3	61.5
	HI PR	201	216	228	238	229	246	260	271	260	280	296	309	293	315	333	347	324	348	368	384
	LO PR	57	61	66	71	59	63	69	73	62	66	72	77	65	69	76	81	67	72	78	83
80	MBh	158.7	162.2	173.3	185.2	154.9	158.3	169.1	180.8	151.1	154.4	165.0	176.4	143.6	146.7	156.8	167.6	133.0	135.9	145.2	155.2
	S/T	1.00	0.95	0.77	0.58	1.00	0.98	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.64	1.00	1.00	0.86	0.64
	AMPS	44.0	45.0	46.4	48.0	47.5	48.6	50.1	51.9	50.6	51.8	53.4	55.3	53.7	54.9	56.7	58.7	56.7	58.0	59.9	62.0
	HI PR	203	218	231	241	231	248	262	274	263	283	299	312	296	318	336	351	327	352	371	387
	LO PR	58	61	67	71	60	64	69	74	63	67	73	78	66	70	77	81	68	72	79	84
85	MBh	161.5	164.6	172.4	183.9	157.6	160.7	168.3	179.5	153.8	156.8	164.2	175.2	146.1	148.9	156.0	166.4	135.3	137.9	144.5	154.1
	S/T	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.83
	AMPS	44.4	45.4	46.8	48.4	47.9	49.0	50.6	52.4	51.0	52.2	53.9	55.8	54.1	55.4	57.2	59.2	57.2	58.5	60.4	62.6
	HI PR	205	221	233	243	233	251	265	276	266	286	302	315	299	322	340	354	330	355	375	391
	LO PR	58	62	68	72	60	64	70	75	63	68	74	79	67	71	77	82	69	73	80	85

1098127
2-5-99

Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

Unit Size	15 Ton Split Condensor
Voltage	460
Phase	3
Hz	60
Ampacity	31.0
Max. Fuse	40
Compressor #1	
RLA	12.24
LRA	98
Compressor #2	
RLA	12.24
LRA	98
Fan Motor	
Voltage/Ph/Hz	460/1/60
H.P. / QTY.	.75 / 2
FLA / LRA	1.8 / 4.3
RPM	1100
CFM	11,600
Cap. MFD/Volts	12.5/440
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	450
Line Size	
Suction	1-3/8
Liquid	5/8

1098128
2-5-99

Matched with BHA240 / HBA240

2nd Stage IDB		Outdoor Ambient Temperature - Degrees F. Dry Bulb: 75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb: 59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	165.4	170.3	184.3	197.8	161.4	166.2	179.9	193.1	157.5	162.2	175.5	188.4	149.6	154.1	166.7	179.0	138.6	142.7	154.5	165.8
	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	43.6	44.6	46.0	47.6	47.1	48.2	49.7	51.5	50.2	51.3	52.9	54.8	53.2	54.4	56.2	58.2	56.2	57.5	59.3	61.5
	HI PR	203	219	231	241	231	249	263	274	263	283	299	312	296	319	336	351	327	352	372	388
	LOPR	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
80	MBh	168.3	172.0	183.8	196.4	164.3	167.9	179.4	191.8	160.3	163.8	175.0	187.1	152.3	155.6	166.3	177.7	141.1	144.1	154.0	164.6
	S/T	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
	AMPS	44.0	45.0	46.4	48.0	47.5	48.6	50.1	51.9	50.6	51.8	53.4	55.3	53.7	54.9	56.7	58.7	56.7	58.0	59.9	62.0
	HI PR	205	221	233	243	233	251	265	277	266	286	302	315	299	322	340	354	330	355	375	392
	LOPR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
85	MBh	171.3	174.6	182.8	195.1	167.2	170.4	178.5	190.4	163.1	166.3	174.1	185.8	154.9	157.9	165.4	176.5	143.5	146.3	153.2	163.5
	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	44.4	45.4	46.8	48.4	47.9	49.0	50.6	52.4	51.0	52.2	53.9	55.8	54.1	55.4	57.2	59.2	57.2	58.5	60.4	62.6
	HI PR	207	223	235	246	236	254	268	279	268	289	305	318	302	325	343	358	334	359	379	395
	LOPR	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92

Matched with BHA180 / HBA180

2nd Stage IDB		Outdoor Ambient Temperature - Degrees F. Dry Bulb: 75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb: 59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	155.9	160.5	173.8	186.5	152.2	156.7	169.6	182.1	148.5	152.9	165.5	177.6	141.1	145.3	157.2	168.7	130.7	134.5	145.6	156.3
	S/T	0.93	0.83	0.63	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.92	0.69	0.45
	AMPS	43.6	44.6	46.0	47.6	47.1	48.2	49.7	51.5	50.2	51.3	52.9	54.8	53.2	54.4	56.2	58.2	56.2	57.5	59.3	61.5
	HI PR	201	216	228	238	229	246	260	271	260	280	296	309	293	315	333	347	324	348	368	384
	LOPR	57	61	66	71	59	63	69	73	62	66	72	77	65	69	76	81	67	72	78	83
80	MBh	158.7	162.2	173.3	185.2	154.9	158.3	169.1	180.8	151.1	154.4	165.0	176.4	143.6	146.7	156.8	167.6	133.0	135.9	145.2	155.2
	S/T	1.00	0.95	0.77	0.58	1.00	0.98	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.64	1.00	1.00	0.86	0.64
	AMPS	44.0	45.0	46.4	48.0	47.5	48.6	50.1	51.9	50.6	51.8	53.4	55.3	53.7	54.9	56.7	58.7	56.7	58.0	59.9	62.0
	HI PR	203	218	231	241	231	248	262	274	263	283	299	312	296	318	336	351	327	352	371	387
	LOPR	58	61	67	71	60	64	69	74	63	67	73	78	66	70	77	81	68	72	79	84
85	MBh	161.5	164.6	172.4	183.9	157.6	160.7	168.3	179.5	153.8	156.8	164.2	175.2	146.1	148.9	156.0	166.4	135.3	137.9	144.5	154.1
	S/T	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.83
	AMPS	44.4	45.4	46.8	48.4	47.9	49.0	50.6	52.4	51.0	52.2	53.9	55.8	54.1	55.4	57.2	59.2	57.2	58.5	60.4	62.6
	HI PR	205	221	233	243	233	251	265	276	266	286	302	315	299	322	340	354	330	355	375	391
	LOPR	58	62	68	72	60	64	70	75	63	68	74	79	67	71	77	82	69	73	80	85

Unit Size	15 Ton Split Condensor
Voltage	575
Phase	3
Hz	60
Ampacity	25.4
Max. Fuse	35
Compressor #1	
RLA	10.1
LRA	80
Compressor #2	
RLA	10.1
LRA	80
Fan Motor	
Voltage/Ph/Hz	575/1/60
H.P. / QTY.	.75 / 2
FLA / LRA	1.4 / 3.7
RPM	1100
CFM	11,600
Cap. MFD/Volts	12.5/440
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	450
Line Size	
Suction	1-3/8
Liquid	5/8

1098129
2-5-99

Matched with BHA240 / HBA240

2nd Stage IDB		Outdoor Ambient Temperature - Degrees F. Dry Bulb: 75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb: 59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	165.4	170.3	184.3	197.8	161.4	166.2	179.9	193.1	157.5	162.2	175.5	188.4	149.6	154.1	166.7	179.0	138.6	142.7	154.5	165.8
	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	43.6	44.6	46.0	47.6	47.1	48.2	49.7	51.5	50.2	51.3	52.9	54.8	53.2	54.4	56.2	58.2	56.2	57.5	59.3	61.5
	HI PR	203	219	231	241	231	249	263	274	263	283	299	312	296	319	336	351	327	352	372	388
	LOPR	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
80	MBh	168.3	172.0	183.8	196.4	164.3	167.9	179.4	191.8	160.3	163.8	175.0	187.1	152.3	155.6	166.3	177.7	141.1	144.1	154.0	164.6
	S/T	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
	AMPS	44.0	45.0	46.4	48.0	47.5	48.6	50.1	51.9	50.6	51.8	53.4	55.3	53.7	54.9	56.7	58.7	56.7	58.0	59.9	62.0
	HI PR	205	221	233	243	233	251	265	277	266	286	302	315	299	322	340	354	330	355	375	392
	LOPR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
85	MBh	171.3	174.6	182.8	195.1	167.2	170.4	178.5	190.4	163.1	166.3	174.1	185.8	154.9	157.9	165.4	176.5	143.5	146.3	153.2	163.5
	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	44.4	45.4	46.8	48.4	47.9	49.0	50.6	52.4	51.0	52.2	53.9	55.8	54.1	55.4	57.2	59.2	57.2	58.5	60.4	62.6
	HI PR	207	223	235	246	236	254	268	279	268	289	305	318	302	325	343	358	334	359	379	395
	LOPR	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92

Matched with BHA180 / HBA180

2nd Stage IDB		Outdoor Ambient Temperature - Degrees F. Dry Bulb: 75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb: 59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	155.9	160.5	173.8	186.5	152.2	156.7	169.6	182.1	148.5	152.9	165.5	177.6	141.1	145.3	157.2	168.7	130.7	134.5	145.6	156.3
	S/T	0.93	0.83	0.63	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.92	0.69	0.45
	AMPS	43.6	44.6	46.0	47.6	47.1	48.2	49.7	51.5	50.2	51.3	52.9	54.8	53.2	54.4	56.2	58.2	56.2	57.5	59.3	61.5
	HI PR	201	216	228	238	229	246	260	271	260	280	296	309	293	315	333	347	324	348	368	384
	LOPR	57	61	66	71	59	63	69	73	62	66	72	77	65	69	76	81	67	72	78	83
80	MBh	158.7	162.2	173.3	185.2	154.9	158.3	169.1	180.8	151.1	154.4	165.0	176.4	143.6	146.7	156.8	167.6	133.0	135.9	145.2	155.2
	S/T	1.00	0.95	0.77	0.58	1.00	0.98	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.64	1.00	1.00	0.86	0.64
	AMPS	44.0	45.0	46.4	48.0	47.5	48.6	50.1	51.9	50.6	51.8	53.4	55.3	53.7	54.9	56.7	58.7	56.7	58.0	59.9	62.0
	HI PR	203	218	231	241	231	248	262	274	263	283	299	312	296	318	336	351	327	352	371	387
	LOPR	58	61	67	71	60	64	69	74	63	67	73	78	66	70	77	81	68	72	79	84
85	MBh	161.5	164.6	172.4	183.9	157.6	160.7	168.3	179.5	153.8	156.8	164.2	175.2	146.1	148.9	156.0	166.4	135.3	137.9	144.5	154.1
	S/T	1.00	1.00	0.93	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.83
	AMPS	44.4	45.4	46.8	48.4	47.9	49.0	50.6	52.4	51.0	52.2	53.9	55.8	54.1	55.4	57.2	59.2	57.2	58.5	60.4	62.6
	HI PR	205	221	233	243	233	251	265	276	266	286	302	315	299	322	340	354	330	355	375	391
	LOPR	58	62	68	72	60	64	70	75	63	68	74	79	67	71	77	82	69	73	80	85

Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

Unit Size	20 Ton Split Condensor
Voltage	208/230
Phase	3
Hz	60
Ampacity	86.8
Max. Fuse	100
Compressor #1	
RLA	34.0
LRA	237
Compressor #2	
RLA	34.0
LRA	237
Fan Motor	
Voltage/Ph/Hz	230/3/60
H.P. / QTY.	1.5 / 2
FLA / LRA	5.4 / 23.0
RPM	1140
CFM	16,000
Cap. MFD/Volts	n/a
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	665
Line Size	
Suction	1-5/8
Liquid	7/8

1098130
2-5-99

1st Stage		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	117.1	120.6	130.5	140.0	114.3	117.7	127.4	136.7	111.5	114.8	124.3	133.4	105.9	109.1	118.1	126.7	98.1	101.0	109.4	117.4
	S/T	1.00	1.00	0.76	0.49	1.00	1.00	0.78	0.50	1.00	1.00	0.81	0.52	1.00	1.00	0.84	0.54	1.00	1.00	0.85	0.54
	AMPS	31.2	31.8	32.6	33.6	33.3	34.0	34.9	35.9	35.1	35.8	36.8	37.9	37.0	37.7	38.8	40.0	38.8	39.6	40.7	42.0
	HI PR	155	166	176	183	176	189	200	209	200	216	228	237	225	243	256	267	249	268	283	295
	LOPR	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98
80	MBh	119.2	121.8	130.1	139.1	116.3	118.9	127.0	135.8	113.5	116.0	123.9	132.4	107.8	110.2	117.7	125.8	99.9	102.1	109.0	116.6
	S/T	1.00	1.00	0.94	0.71	1.00	1.00	0.97	0.72	1.00	1.00	1.00	0.75	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.78
	AMPS	31.4	32.0	32.8	33.8	33.6	34.2	35.1	36.2	35.4	36.1	37.1	38.2	37.3	38.0	39.1	40.3	39.1	39.9	41.0	42.3
	HI PR	156	168	178	185	178	191	202	211	202	218	230	240	228	245	259	270	252	271	286	298
	LOPR	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
85	MBh	121.2	123.6	129.4	138.1	118.4	120.7	126.4	134.8	115.5	117.7	123.3	131.5	109.7	111.8	117.1	124.9	101.6	103.6	108.5	115.7
	S/T	1.00	1.00	1.00	0.92	1.00	1.00	1.00	0.94	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	AMPS	31.6	32.2	33.1	34.1	33.8	34.5	35.4	36.5	35.7	36.4	37.4	38.5	37.5	38.3	39.4	40.6	39.4	40.2	41.3	42.6
	HI PR	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	273	254	273	289	301
	LOPR	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100

2nd Stage		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	210.7	217.0	234.9	252.1	205.7	211.8	229.3	246.1	200.7	206.6	223.7	240.1	190.7	196.3	212.5	228.1	176.6	181.8	196.8	211.2
	S/T	0.91	0.82	0.62	0.40	0.94	0.84	0.63	0.41	0.97	0.87	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.91	0.69	0.44
	AMPS	58.8	60.1	61.9	64.1	63.5	65.0	67.0	69.4	67.6	69.2	71.4	73.9	71.7	73.4	75.7	78.5	75.8	77.5	80.0	83.0
	HI PR	189	203	215	224	215	231	244	255	245	263	278	290	275	296	313	326	304	327	346	361
	LOPR	55	58	63	68	57	60	66	70	60	63	69	74	63	67	73	77	65	69	75	80
80	MBh	214.5	219.2	234.2	250.3	209.4	213.9	228.6	244.3	204.3	208.7	223.0	238.4	194.1	198.3	211.9	226.5	179.8	183.7	196.2	209.8
	S/T	1.00	0.94	0.77	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.63
	AMPS	59.3	60.6	62.5	64.7	64.1	65.5	67.6	70.0	68.2	69.8	72.0	74.6	72.4	74.0	76.4	79.2	76.4	78.2	80.8	83.7
	HI PR	191	205	217	226	217	234	247	257	247	266	281	293	278	299	316	330	307	331	349	364
	LOPR	55	59	64	68	57	61	67	71	60	64	70	75	63	67	73	78	65	70	76	81
85	MBh	218.2	222.5	233.0	248.6	213.0	217.2	227.4	242.6	207.8	211.9	221.9	236.7	197.4	201.3	210.8	224.9	182.9	186.4	195.3	208.3
	S/T	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.82
	AMPS	59.8	61.1	63.0	65.2	64.6	66.1	68.2	70.6	68.8	70.4	72.6	75.2	73.0	74.7	77.1	79.9	77.1	78.9	81.5	84.4
	HI PR	193	207	219	229	219	236	249	260	250	269	284	296	281	302	319	333	310	334	353	368
	LOPR	56	59	65	69	58	62	67	72	61	65	71	75	64	68	74	79	66	70	77	82

Unit Size	20 Ton Split Condensor
Voltage	460
Phase	3
Hz	60
Ampacity	49.3
Max. Fuse	60
Compressor #1	
RLA	19.72
LRA	130
Compressor #2	
RLA	19.72
LRA	130
Fan Motor	
Voltage/Ph/Hz	460/3/60
H.P. / QTY.	1.5 / 2
FLA / LRA	2.6 / 11.5
RPM	1140
CFM	16,000
Cap. MFD/Volts	n/a
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	665
Line Size	
Suction	1-5/8
Liquid	7/8

1098131
2-5-99

1st Stage		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	117.1	120.6	130.5	140.0	114.3	117.7	127.4	136.7	111.5	114.8	124.3	133.4	105.9	109.1	118.1	126.7	98.1	101.0	109.4	117.4
	S/T	1.00	1.00	0.76	0.49	1.00	1.00	0.78	0.50	1.00	1.00	0.81	0.52	1.00	1.00	0.84	0.54	1.00	1.00	0.85	0.54
	AMPS	31.2	31.8	32.6	33.6	33.3	34.0	34.9	35.9	35.1	35.8	36.8	37.9	37.0	37.7	38.8	40.0	38.8	39.6	40.7	42.0
	HI PR	155	166	176	183	176	189	200	209	200	216	228	237	225	243	256	267	249	268	283	295
	LOPR	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98
80	MBh	119.2	121.8	130.1	139.1	116.3	118.9	127.0	135.8	113.5	116.0	123.9	132.4	107.8	110.2	117.7	125.8	99.9	102.1	109.0	116.6
	S/T	1.00	1.00	0.94	0.71	1.00	1.00	0.97	0.72	1.00	1.00	1.00	0.75	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.78
	AMPS	31.4	32.0	32.8	33.8	33.6	34.2	35.1	36.2	35.4	36.1	37.1	38.2	37.3	38.0	39.1	40.3	39.1	39.9	41.0	42.3
	HI PR	156	168	178	185	178	191	202	211	202	218	230	240	228	245	259	270	252	271	286	298
	LOPR	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
85	MBh	121.2	123.6	129.4	138.1	118.4	120.7	126.4	134.8	115.5	117.7	123.3	131.5	109.7	111.8	117.1	124.9	101.6	103.6	108.5	115.7
	S/T	1.00	1.00	1.00	0.92	1.00	1.00	1.00	0.94	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	AMPS	31.6	32.2	33.1	34.1	33.8	34.5	35.4	36.5	35.7	36.4	37.4	38.5	37.5	38.3	39.4	40.6	39.4	40.2	41.3	42.6
	HI PR	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	273	254	273	289	301
	LOPR	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100

2nd Stage		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	210.7	217.0	234.9	252.1	205.7	211.8	229.3	246.1	200.7	206.6	223.7	240.1	190.7	196.3	212.5	228.1	176.6	181.8	196.8	211.2
	S/T	0.91	0.82	0.62	0.40	0.94	0.84	0.63	0.41	0.97	0.87	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.91	0.69	0.44
	AMPS	58.8	60.1	61.9	64.1	63.5	65.0	67.0	69.4	67.6	69.2	71.4	73.9	71.7	73.4	75.7	78.5	75.8	77.5	80.0	83.0
	HI PR	189	203	215	224	215	231	244	255	245	263	278	290	275	296	313	326	304	327	346	361
	LOPR	55	58	63	68	57	60	66	70	60	63	69	74	63	67	73	77	65	69	75	80
80	MBh	214.5	219.2	234.2	250.3	209.4	213.9	228.6	244.3	204.3	208.7	223.0	238.4	194.1	198.3	211.9	226.5	179.8	183.7	196.2	209.8
	S/T	1.00	0.94	0.77	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.63
	AMPS	59.3	60.6	62.5	64.7	64.1	65.5	67.6	70.0	68.2	69.8	72.0	74.6	72.4	74.0	76.4	79.2	76.4	78.2	80.8	83.7
	HI PR	191	205	217	226	217	234	247	257	247	266	281	293	278	299	316	330	307	331	349	364
	LOPR	55	59	64	68	57	61	67	71	60	64	70	75	63	67	73	78	65	70	76	81
85	MBh	218.2	222.5	233.0	248.6	213.0	217.2	227.4	242.6	207.8	211.9	221.9	236.7	197.4	201.3	210.8	224.9	182.9	186.4	195.3	208.3
	S/T	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.82
	AMPS	59.8	61.1	63.0	65.2	64.6	66.1	68.2	70.6	68.8	70.4	72.6	75.2	73.0	74.7	77.1	79.9	77.1	78.9	81.5	84.4
	HI PR	193	207	219	229	219	236	249	260	250	269	284	296	281	302	319	333	310	334	353	368
	LOPR	56	59	65	69	58	62	67	72	61	65	71	75	64	68	74	79	66	70	77	82

Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

Unit Size	**20 Ton Split Condensor**
Voltage	575
Phase	3
Hz	60
Ampacity	32.0
Max. Fuse	40
Compressor #1	
RLA	12.94
LRA	85
Compressor #2	
RLA	12.94
LRA	85
Fan Motor	
Voltage/Ph/Hz	575/3/60
H.P. / QTY.	1.5 / 2
FLA / LRA	1.88 / 8.0
RPM	1140
CFM	16,000
Cap. MFD/Volts	n/a
Hi Pressure	420
Lo Pressure	5
Time Delay	5 min.
R-22, oz.	
Operating Chg.	665
Line Size	
Suction	1-5/8
Liquid	7/8

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
1st Stage		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	117.1	120.6	130.5	140.0	114.3	117.7	127.4	136.7	111.5	114.8	124.3	133.4	105.9	109.1	118.1	126.7	98.1	101.0	109.4	117.4
	S/T	1.00	1.00	0.76	0.49	1.00	1.00	0.78	0.50	1.00	1.00	0.81	0.52	1.00	1.00	0.84	0.54	1.00	1.00	0.85	0.54
	AMPS	31.2	31.8	32.6	33.6	33.3	34.0	34.9	35.9	35.1	35.8	36.8	37.9	37.0	37.7	38.8	40.0	38.8	39.6	40.7	42.0
	HI PR	155	166	176	183	176	189	200	209	200	216	228	237	225	243	256	267	249	268	283	295
	LOPR	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98
80	MBh	119.2	121.8	130.1	139.1	116.3	118.9	127.0	135.8	113.5	116.0	123.9	132.4	107.8	110.2	117.7	125.8	99.9	102.1	109.0	116.6
	S/T	1.00	1.00	0.94	0.71	1.00	1.00	0.97	0.72	1.00	1.00	1.00	0.75	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.78
	AMPS	31.4	32.0	32.8	33.8	33.6	34.2	35.1	36.2	35.4	36.1	37.1	38.2	37.3	38.0	39.1	40.3	39.1	39.9	41.0	42.3
	HI PR	156	168	178	185	178	191	202	211	202	218	230	240	228	245	259	270	252	271	286	298
	LOPR	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
85	MBh	121.2	123.6	129.4	138.1	118.4	120.7	126.4	134.8	115.5	117.7	123.3	131.5	109.7	111.8	117.1	124.9	101.6	103.6	108.5	115.7
	S/T	1.00	1.00	1.00	0.92	1.00	1.00	1.00	0.94	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	AMPS	31.6	32.2	33.1	34.1	33.8	34.5	35.4	36.5	35.7	36.4	37.4	38.5	37.5	38.3	39.4	40.6	39.4	40.2	41.3	42.6
	HI PR	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	273	254	273	289	301
	LOPR	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100

		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
		75				85				95				105				115			
2nd Stage		Entering Indoor Temperature - Degrees F. Wet Bulb																			
IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
75	MBh	210.7	217.0	234.9	252.1	205.7	211.8	229.3	246.1	200.7	206.6	223.7	240.1	190.7	196.3	212.5	228.1	176.6	181.8	196.8	211.2
	S/T	0.91	0.82	0.62	0.40	0.94	0.84	0.63	0.41	0.97	0.87	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.91	0.69	0.44
	AMPS	58.8	60.1	61.9	64.1	63.5	65.0	67.0	69.4	67.6	69.2	71.4	73.9	71.7	73.4	75.7	78.5	75.8	77.5	80.0	83.0
	HI PR	189	203	215	224	215	231	244	255	245	263	278	290	275	296	313	326	304	327	346	361
	LOPR	55	58	63	68	57	60	66	70	60	63	69	74	63	67	73	77	65	69	75	80
80	MBh	214.5	219.2	234.2	250.3	209.4	213.9	228.6	244.3	204.3	208.7	223.0	238.4	194.1	198.3	211.9	226.5	179.8	183.7	196.2	209.8
	S/T	1.00	0.94	0.77	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.81	0.61	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.63
	AMPS	59.3	60.6	62.5	64.7	64.1	65.5	67.6	70.0	68.2	69.8	72.0	74.6	72.4	74.0	76.4	79.2	76.4	78.2	80.8	83.7
	HI PR	191	205	217	226	217	234	247	257	247	266	281	293	278	299	316	330	307	331	349	364
	LOPR	55	59	64	68	57	61	67	71	60	64	70	75	63	67	73	78	65	70	76	81
85	MBh	218.2	222.5	233.0	248.6	213.0	217.2	227.4	242.6	207.8	211.9	221.9	236.7	197.4	201.3	210.8	224.9	182.9	186.4	195.3	208.3
	S/T	1.00	1.00	0.92	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.82
	AMPS	59.8	61.1	63.0	65.2	64.6	66.1	68.2	70.6	68.8	70.4	72.6	75.2	73.0	74.7	77.1	79.9	77.1	78.9	81.5	84.4
	HI PR	193	207	219	229	219	236	249	260	250	269	284	296	281	302	319	333	310	334	353	368
	LOPR	56	59	65	69	58	62	67	72	61	65	71	75	64	68	74	79	66	70	77	82

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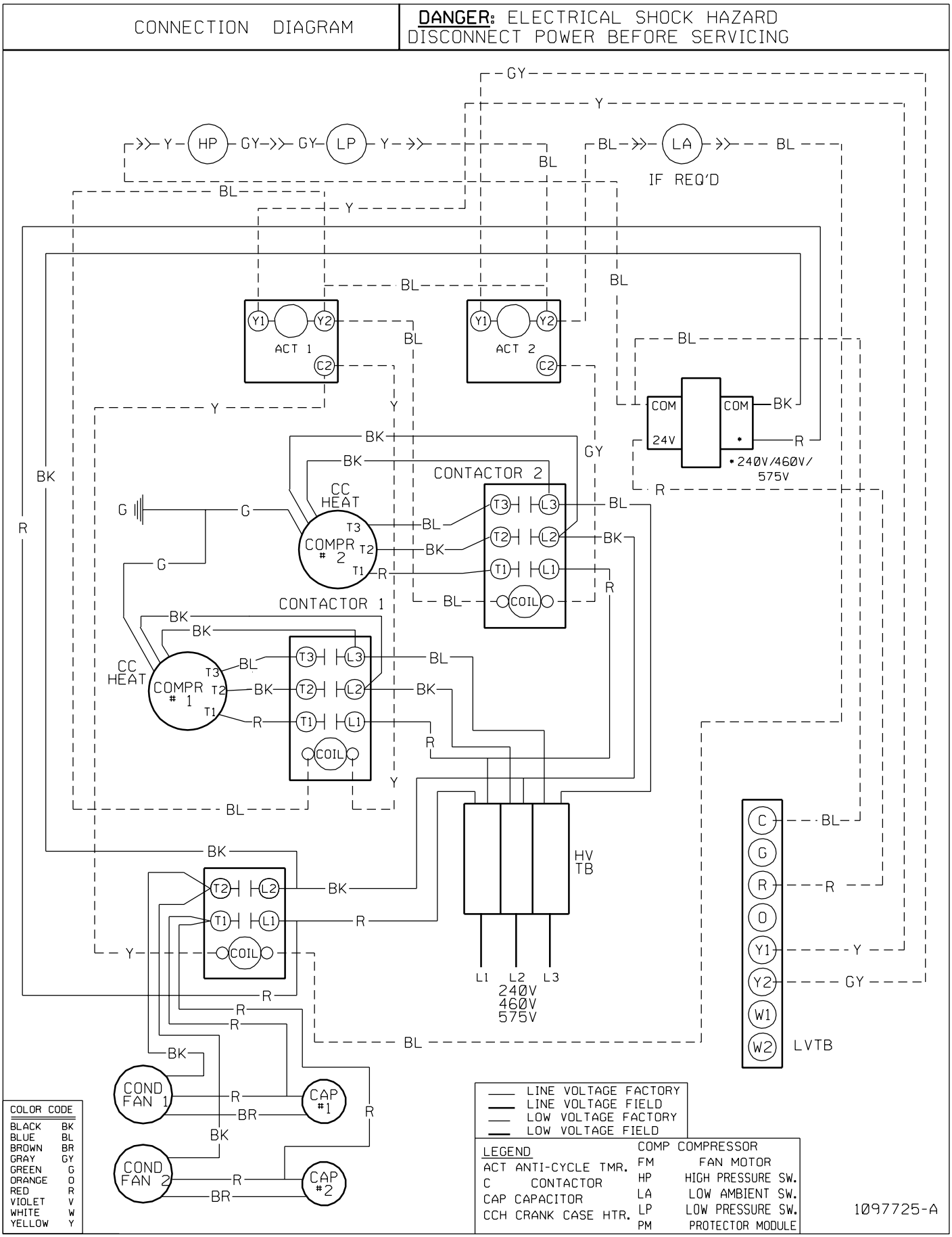
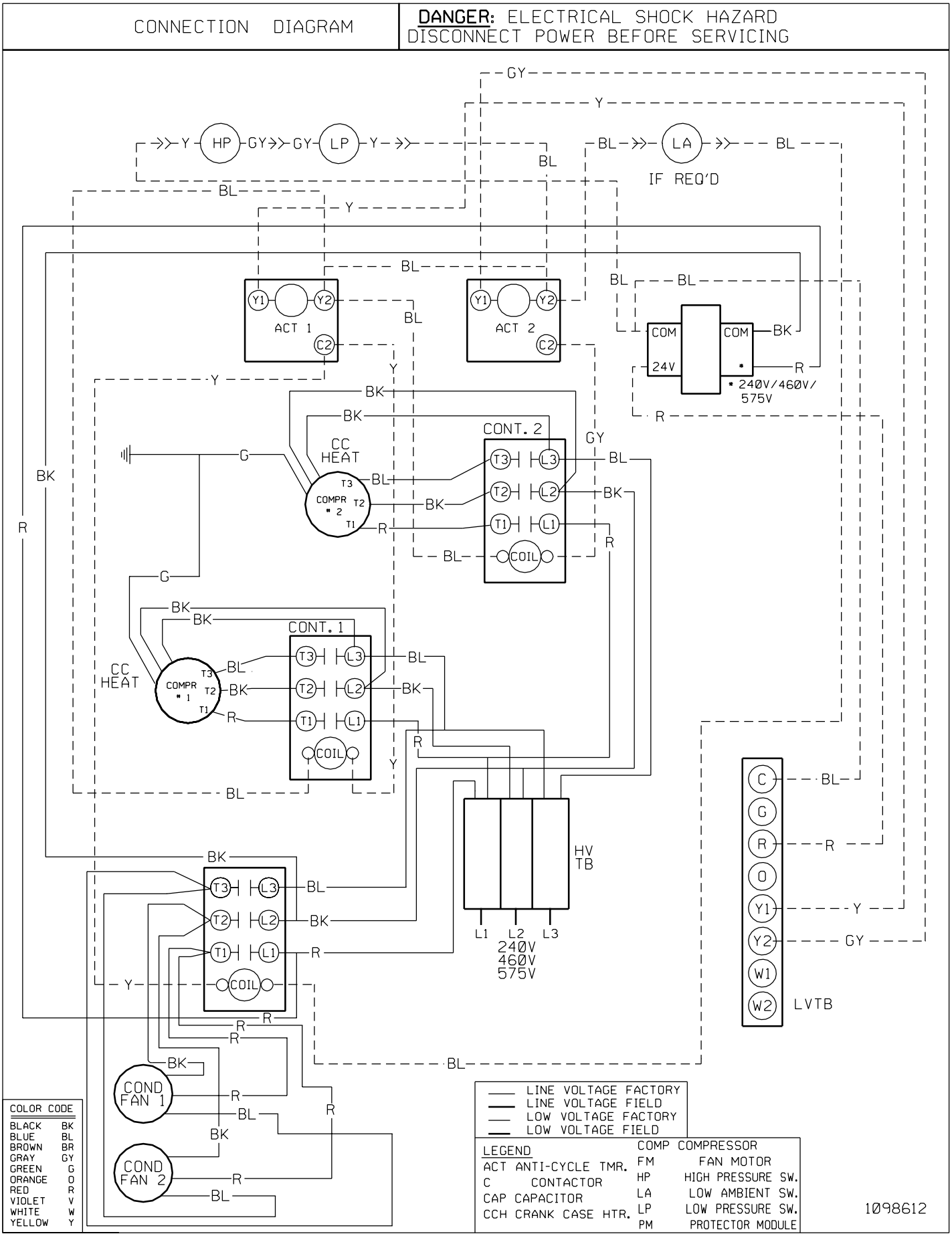
Wiring Diagram 12-1/2 & 15 TON



Parts List, Tech Labels & Wiring Diagrams for CAC & ACC Series, Three Phase

Wiring Diagram – 20 TON