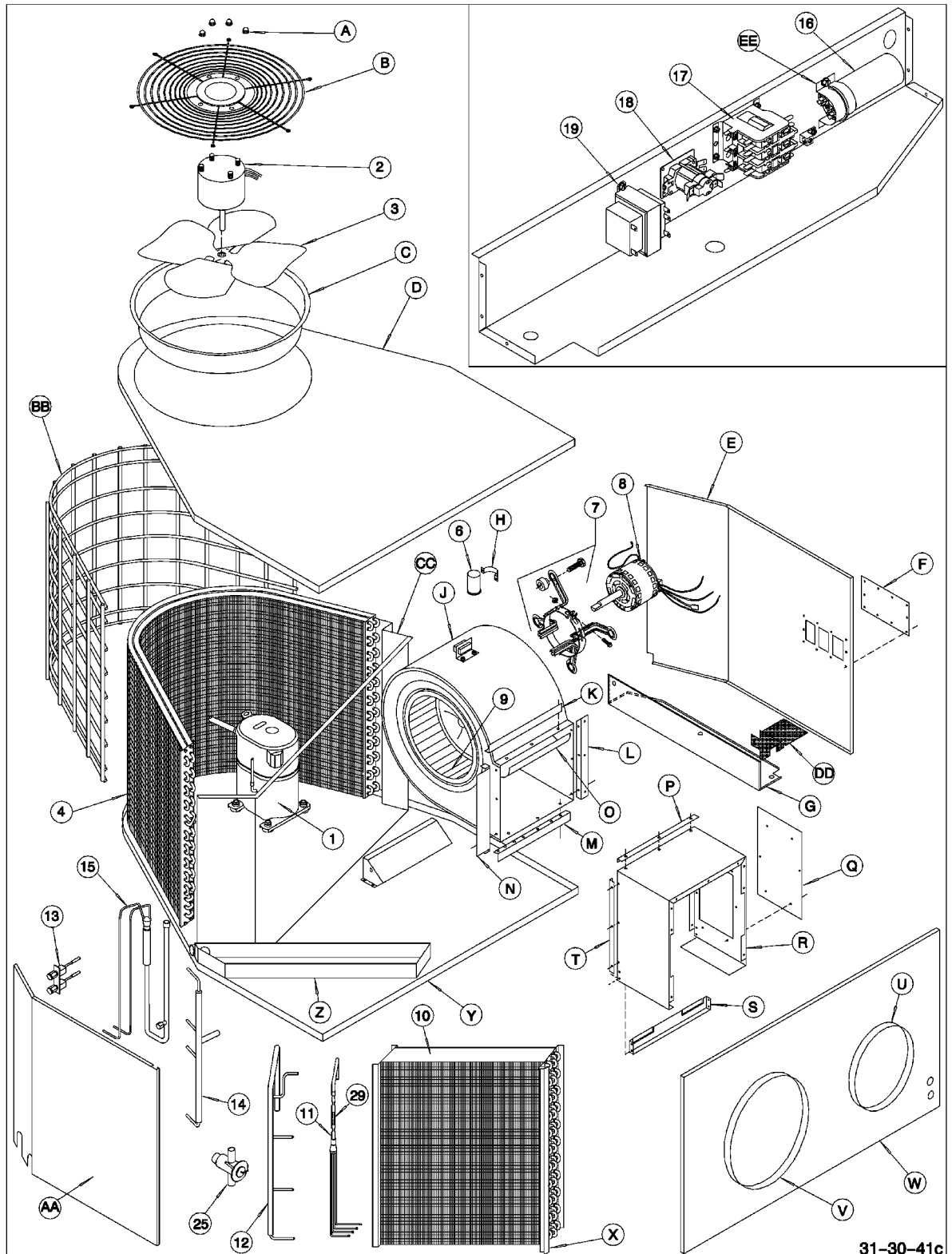


PA55/PAPA Series, Three Phase

Parts List, Wiring Diagrams, Tech Labels

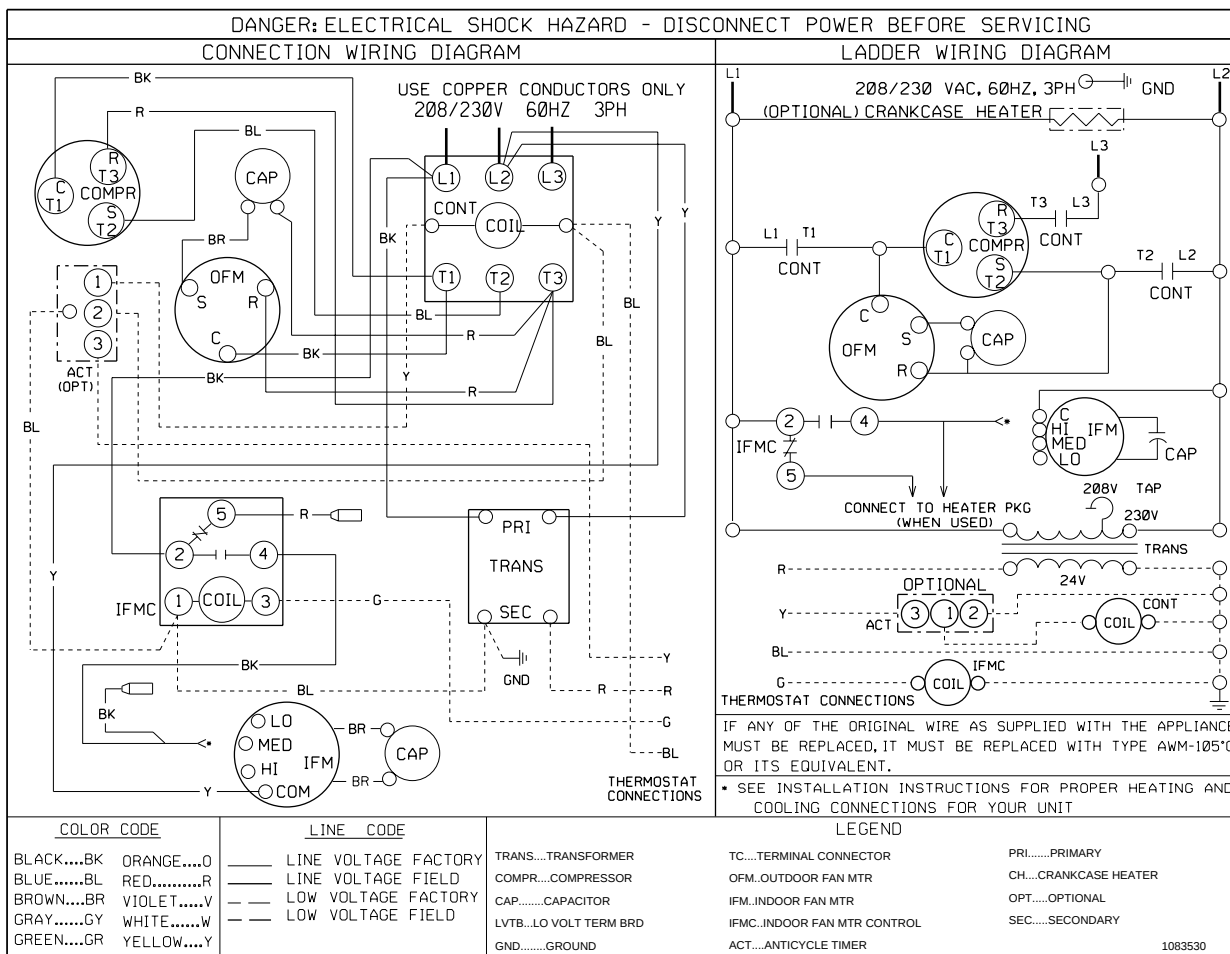


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PA5536AHA2, PA5548AHA2, PA5560AHA2, PAPA36HA2, PAPA48HA2, PAPA60HA2

	DESCRIPTION	PART No.	36	48	60		DESCRIPTION	PART No.	36	48	60
1	Compressor, CR35K6TF5	1083697	1			A	Nut, Cap	1067902	4	4	4
1	ZR45KCTF5	1084532	-	1		AA	Panel, Side (Evap)	1081102	1	1	1
1	ZR57K3TF5	1084539	-	-	1	B	Grille, Top	1064541	1	1	
2	Motor, Condenser	1082492	1			B		1072868	-	-	1
2		1082070	-	1	1	BB	Grille, Inlet	1081378	1	1	1
3	Fan Blade, Condenser	1080790	1	1	1	C	Orifice, Condenser Fan	1065724	1	1	1
4	Condenser Coil Assy	1081121	1			CC	Panel, Center	1097343	1	1	1
4		1081122	-	1		D	Panel, Top	1068344	1	1	1
4		1082375	-	-	1	DD	Partition, Low Voltage	1082051	1	1	1
6	Capacitor, 5 / 370V	1094954	1			E	Panel, Side (Blower)	1081103	1	1	1
6	20 / 370V	1094961	-	1	1	EE	Clamp, Capacitor	1095020	1	1	1
7	Mount, Blower Motor Kit	609227	1	1		F	Cover, Side (Blower)	1081375	1	1	1
7		522020024	-	-	1	G	Box, Control	1081220	1	1	1
8	Motor, Blower	1081399	1			H	Clamp, Capacitor	1095020	1		
8		1081194	-	1		H		1095022	-	1	1
8		1082177	-	-	1	J	Housing, Blower	1081213	1	1	
9	Wheel, Blower	706038	1			J		1082149	-	-	1
9		1082068	-	1		K	Bracket, Blower Mount	1081116	1	1	
9		1082069	-	-	1	L	Bracket, Blower Mount	1081119	1	1	
10	Evaporator Coil	1081131	1			M	Bracket, Blower Mount	1081117	1	1	
10		1082108	-	1		N	Bracket, Blower Mount	1081118	1	1	
10		1082335	-	-	1	O	Panel, Blower Cutoff	721020013	1	1	
11	Distributor	1081248	1			O		1082176	-	-	1
11		1083218	-	1	1	P	Bracket, Heater Box	1081114	1	1	1
12	Manifold (Evap)	1081156	1			Q	Plate, Heater Cover	1083655	1	1	1
12		1081157	-	1		R	Box, Heater	1081111	1	1	1
12		1082710	-	-	1	S	Bracket, Heater Box	1081112	1	1	1
13	Port Asy, Test	1083656	1	1	1	T	Bracket, Heater Box	1081113	1	1	
14	Manifold (Cond) Disch.	1081145	1			T		1082179	-	-	1
14		1081146	-	1		U	Ring, Air Duct 12"	1066734	1	1	1
14		1082376	-	-	1	V	Ring, Air Duct 14"	1066735	1	1	1
15	Manifold (Cond) Liquid	1081153	1			W	Panel, Rear	1081101	1	1	1
15		1082198	-	1		X	Bracket, Evap Coil	1081110	1	1	1
15		1082398	-	-	1	Y	Panel, Base	1081100	1	1	1
16	Capacitor, 5 / 370V	1094954	1			Z	Pan, Drain	1081120	1	1	1
16	7.5 / 370V	1094239	-	1	1		Manual, Parts List	426041004	1	1	1
17	Contactor, 30 AMP, 3P	1149656	1	1	1		00				
18	Sequencer	1054372	1	1			Manual, Installation	426011002	1	1	1
18	Relay	1058148	-	-	1		00				
19	Transformer	1056899	1	1	1						
25	Valve, Expansion	1082294	-	-	1						
29	Flow Control	1082106	-	1							
32	Tube w/strainer	1068116	1	1	1						
33	Plug, Comp Harness	1083654	1	1	1						



Style No:		PA5536AH/PAPA36HA				Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Voltage		208 / 230		IDB	75				85				95				105				115				
Phase		3			Entering Indoor Temperature - Degrees F. Wet Bulb																				
Ampacity		18.2		70	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
Wire Ga/Ft		NEC			MBh	31.8	32.9	36.1	-	31.0	32.2	35.2	-	30.3	31.4	34.4	-	28.8	29.8	32.7	-	26.6	27.6	30.2	-
Delay Fuse		25		S/T	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-	
Max. Fuse		25		AMPS	10.3	10.5	10.8	-	11.0	11.2	11.6	-	11.6	11.9	12.2	-	12.3	12.5	12.9	-	12.9	13.2	13.6	-	
Compressor		COPELAND		HI PR	184	198	209	-	209	225	237	-	238	256	270	-	268	288	304	-	296	318	336	-	
RLA		10.3		LO PR	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	71	76	83	-	
LRA		75		75	MBh	32.3	33.3	36.0	38.7	31.5	32.5	35.2	37.7	30.8	31.7	34.3	36.8	29.2	30.1	32.6	35.0	27.1	27.9	30.2	32.4
Cap MFD/V		Cond	Evap		S/T	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.86	0.65	0.42	0.98	0.87	0.66	0.42
CC Heater					AMPS	10.4	10.6	10.9	11.2	11.1	11.3	11.6	12.0	11.7	12.0	12.3	12.7	12.4	12.7	13.0	13.4	13.0	13.3	13.7	14.2
Start Kit					HI PR	186	200	211	220	211	227	240	250	240	259	273	285	271	291	307	321	299	322	340	354
Cond & Evap				LO PR	61	65	71	75	63	67	74	78	66	71	77	82	70	74	81	86	72	77	84	89	
Type		Fan	Blower	80	MBh	32.9	33.6	35.9	38.4	32.1	32.8	35.1	37.5	31.3	32.0	34.2	36.6	29.8	30.4	32.5	34.7	27.6	28.2	30.1	32.2
Size		20	DD10-8		S/T	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61
Motor-HP		1/3	1 / 2		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	12.8	13.1	13.6	13.1	13.4	13.8	14.3
Type		PSC	PSC		HI PR	188	202	213	222	213	229	242	253	243	261	276	288	273	294	311	324	302	325	343	358
FLA		1.8	3.6	LO PR	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	85	90	
LRA		4.04	7.4	85	MBh	33.5	34.1	35.7	38.1	32.7	33.3	34.9	37.2	31.9	32.5	34.0	36.3	30.3	30.9	32.3	34.5	28.0	28.6	29.9	31.9
RPM		1120	1075		S/T	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
Cap MFD/V		5 / 370	5 / 370		AMPS	10.5	10.7	11.0	11.4	11.3	11.5	11.8	12.2	11.9	12.2	12.5	12.9	12.6	12.9	13.2	13.7	13.2	13.5	13.9	14.4
PTCR		N/A			HI PR	189	204	215	224	215	232	245	255	245	264	279	291	276	297	314	327	305	328	346	361
Hi Press		N/A		LO PR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	85	91	
Low Press		N/A		Air Delivery in CFM - Dry Coil - No Filter (Add .05 static for Wet Coil)																					
Operating Chg (No Lines)*		(R-22 Oz)		230 Volt	External Static Press (Inch Water Column)								208 Volt	External Static Press (Inch Water Column)											
84				Speed Tap	0.15	0.25	0.35	0.45	0.55	0.65	0.75	Speed Tap	0.15	0.25	0.35	0.45	0.55	0.65	0.75						
Service Driers				HI	-	1589	1540	1467	1411	13219	1235	HI	-	1351	1309	1247	1199	11236	1050						
Liquid/Chg		16 Cu In / 11 oz		MD HI	-	1471	1427	1379	1329	1256	1181	MD HI	-	1250	1213	1172	1130	1068	1004						
Suction		30 Sq In		MD LO	-	1373	1337	1292	1260	1186	1109	MD LO	-	1167	1136	1098	1071	1008	943						
Unit Weight		280		LO	-	1208	1190	1176	1137	1085	1019	LO	-	1027	1012	1000	966	922	866						
																				1083739					
																				5/14/97					

Style No:	PA5548AH/PAPA48HA		Outdoor Ambient Temperature - Degrees F. Dry Bulb																					
Voltage	208 / 230		IDB	75				85				95				105				115				
Phase	3			Entering Indoor Temperature - Degrees F. Wet Bulb																				
Ampacity	27.8			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
Wire Ga/Ft	NEC		70	MBh	41.8	43.3	47.5	-	40.8	42.3	46.4	-	39.8	41.3	45.2	-	37.8	39.2	43.0	-	35.0	36.3	39.8	-
Delay Fuse	35			S/T	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
Max. Fuse	40			AMPS	15.7	16.0	16.4	-	16.8	17.1	17.5	-	17.7	18.0	18.5	-	18.6	19.0	19.5	-	19.5	19.9	20.5	-
Compressor	COPELAND			HI PR	198	214	225	-	226	243	256	-	257	277	292	-	289	311	329	-	319	344	363	-
RLA	14.3		75	LO PR	63	67	73	-	65	69	76	-	68	73	79	-	72	76	83	-	74	79	86	-
LRA	91			MBh	42.5	43.8	47.4	50.9	41.5	42.7	46.3	49.7	40.5	41.7	45.1	48.4	38.5	39.6	42.9	46.0	35.6	36.7	39.7	42.6
Cap MFD/V				S/T	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.85	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.89	0.68	0.44
CC Heater				AMPS	15.8	16.1	16.5	17.0	16.9	17.2	17.7	18.2	17.8	18.2	18.7	19.2	18.7	19.1	19.6	20.3	19.7	20.1	20.6	21.3
Start Kit			HI PR	200	216	228	238	228	245	259	270	260	279	295	308	292	314	332	346	323	347	367	382	
Cond & Evap	Cond	Evap	80	LO PR	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	90	75	80	87	93
Type	Fan	Blower		MBh	43.3	44.2	47.3	50.5	42.3	43.2	46.1	49.3	41.2	42.1	45.0	48.1	39.2	40.0	42.8	45.7	36.3	37.1	39.6	42.3
Size	20	DD10-8		S/T	0.99	0.93	0.76	0.56	1.00	0.95	0.78	0.58	1.00	0.98	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63
Motor-HP	1/3	1		AMPS	15.9	16.2	16.6	17.1	17.0	17.3	17.8	18.3	17.9	18.3	18.8	19.4	18.9	19.3	19.8	20.4	19.8	20.2	20.8	21.5
Type	PSC	PSC	85	HI PR	202	218	230	240	230	248	262	273	262	282	298	311	295	317	335	350	326	351	370	386
FLA	1.7	6.3		LO PR	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	90	76	80	88	94
LRA	5	13.2		MBh	44.0	44.9	47.0	50.2	43.0	43.8	45.9	49.0	41.9	42.8	44.8	47.8	39.8	40.6	42.5	45.4	36.9	37.6	39.4	42.0
RPM	1140	1075		S/T	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.81
Cap MFD/V	7.5/370	20/370	AMPS	16.0	16.3	16.8	17.3	17.1	17.5	17.9	18.5	18.1	18.4	18.9	19.5	19.0	19.4	20.0	20.6	20.0	20.4	21.0	21.6	
PTCR	N/A		HI PR	204	220	232	242	233	250	264	276	265	285	301	314	298	321	339	353	329	354	374	390	
Hi Press	N/A		LO PR	65	69	75	80	67	71	78	83	70	75	82	87	74	79	86	91	76	81	89	94	
Low Press	N/A		Air Delivery in CFM - Dry Coil - No Filter (Add .05 static for Wet Coil)																					
Operating Chg	(R-22 Oz)		230 Volt	External Static Press (Inch Water Column)							208 Volt	External Static Press (Inch Water Column)												
(No Lines)*	81		Speed Tap	0.15	0.25	0.35	0.45	0.55	0.65	0.75	Speed Tap	0.15	0.25	0.35	0.45	0.55	0.65	0.75						
Service Driers			HI	-	1904	1822	1736	1635	1530	1411	HI	-	1618	1549	1476	1390	1301	1199						
Liquid/Chg	30 Cu In / 17 oz		MD HI	-	1827	1759	1670	1572	1478	1377	MD HI	-	1553	1495	1420	1336	1256	1170						
Suction	30 Sq In		MD LO	-	1707	1651	1577	1497	1417	1322	MD LO	-	1451	1403	1340	1272	1204	1124						
Unit Weight	280		LO	-	-	-	-	-	-	-	LO	-	-	-	-	-	-	-						
			11083740 5/14/97																					

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Style No:	PA5560AH/PAPA60HA		Outdoor Ambient Temperature - Degrees F. Dry Bulb																					
Voltage	208 / 230		IDB	75				85				95				105				115				
Phase	3			Entering Indoor Temperature - Degrees F. Wet Bulb																				
Ampacity	34.8			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
Wire Ga/Ft	NEC		70	MBh	51.9	53.7	58.9	-	50.6	52.5	57.5	-	49.4	51.2	56.1	-	46.9	48.6	53.3	-	43.5	45.0	49.3	-
Delay Fuse	45			S/T	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
Max. Fuse	50			AMPS	21.0	21.4	22.0	-	22.5	22.9	23.6	-	23.8	24.2	24.9	-	25.0	25.5	26.3	-	26.3	26.8	27.6	-
Compressor	COPELAND		75	HI PR	205	221	233	-	233	251	265	-	266	286	302	-	299	322	340	-	330	355	375	-
RLA	19.3			LO PR	61	65	71	-	63	68	74	-	67	71	77	-	70	74	81	-	72	77	84	-
LRA	137			MBh	52.7	54.3	58.8	63.1	51.5	53.0	57.4	61.6	50.2	51.7	56.0	60.1	47.7	49.1	53.2	57.1	44.2	45.5	49.3	52.9
Cap MFD/V			80	S/T	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
CC Heater				AMPS	21.2	21.6	22.2	22.8	22.7	23.1	23.7	24.5	23.9	24.4	25.1	25.9	25.2	25.7	26.5	27.3	26.5	27.0	27.8	28.7
Start Kit				HI PR	207	223	235	246	236	254	268	279	268	289	305	318	302	325	343	358	334	359	379	395
Cond & Evap	Cond	Evap	85	LO PR	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
Type	Fan	Blower		MBh	53.7	54.8	58.6	62.6	52.4	53.5	57.2	61.1	51.1	52.2	55.8	59.7	48.6	49.6	53.0	56.7	45.0	46.0	49.1	52.5
Size	20	DD11-8		S/T	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
Motor-HP	1/3	1	80	AMPS	21.3	21.8	22.3	23.0	22.8	23.3	23.9	24.7	24.1	24.6	25.3	26.1	25.4	25.9	26.7	27.5	26.7	27.2	28.0	28.9
Type	PSC	PSC		HI PR	209	225	238	248	238	256	270	282	271	292	308	321	305	328	347	361	337	363	383	399
FLA	1.7	4.5		LO PR	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
LRA	5	13	85	MBh	54.6	55.7	58.3	62.2	53.3	54.3	56.9	60.7	52.0	53.0	55.5	59.2	49.4	50.4	52.7	56.3	45.8	46.7	48.9	52.1
RPM	1140	1075		S/T	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
Cap MFD/V	7.5/370	20/370		AMPS	21.5	21.9	22.5	23.2	23.0	23.5	24.1	24.9	24.3	24.8	25.5	26.3	25.6	26.1	26.9	27.8	26.9	27.5	28.2	29.2
PTCR	N/A		85	HI PR	211	227	240	250	240	259	273	285	274	295	311	324	308	331	350	365	340	366	387	403
Hi Press	N/A			LO PR	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92
Low Press	N/A			Air Delivery in CFM - Dry Coil - No Filter (Add .05 static for Wet Coil)																				
Operating Chg	(R-22 Oz)		230 Volt	External Static Press (Inch Water Column)								208 Volt	External Static Press (Inch Water Column)											
(No Lines)*	106		Speed Tap	0.15	0.25	0.35	0.45	0.55	0.65	0.75	Speed Tap	0.15	0.25	0.35	0.45	0.55	0.65	0.75						
Service Driers			HI	-	2214	2139	2050	1948	1866	1808	HI	-	1881	1818	1742	1655	1586	1536						
Liquid/Chg	30 Cu In / 17 oz		MD HI	-	1919	1878	1837	1789	1737	1692	MD HI	-	1631	1596	1561	1520	1476	1438						
Suction	30 Sq In		MD LO	-	-	-	-	-	-	-	MD LO	-	-	-	-	-	-	-						
Unit Weight	295		LO	-	-	-	-	-	-	-	LO	-	-	-	-	-	-	-						

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