

PACKAGED AIR CONDITIONER
13.4 SEER2
2 TO 5 TONS



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Standard Features

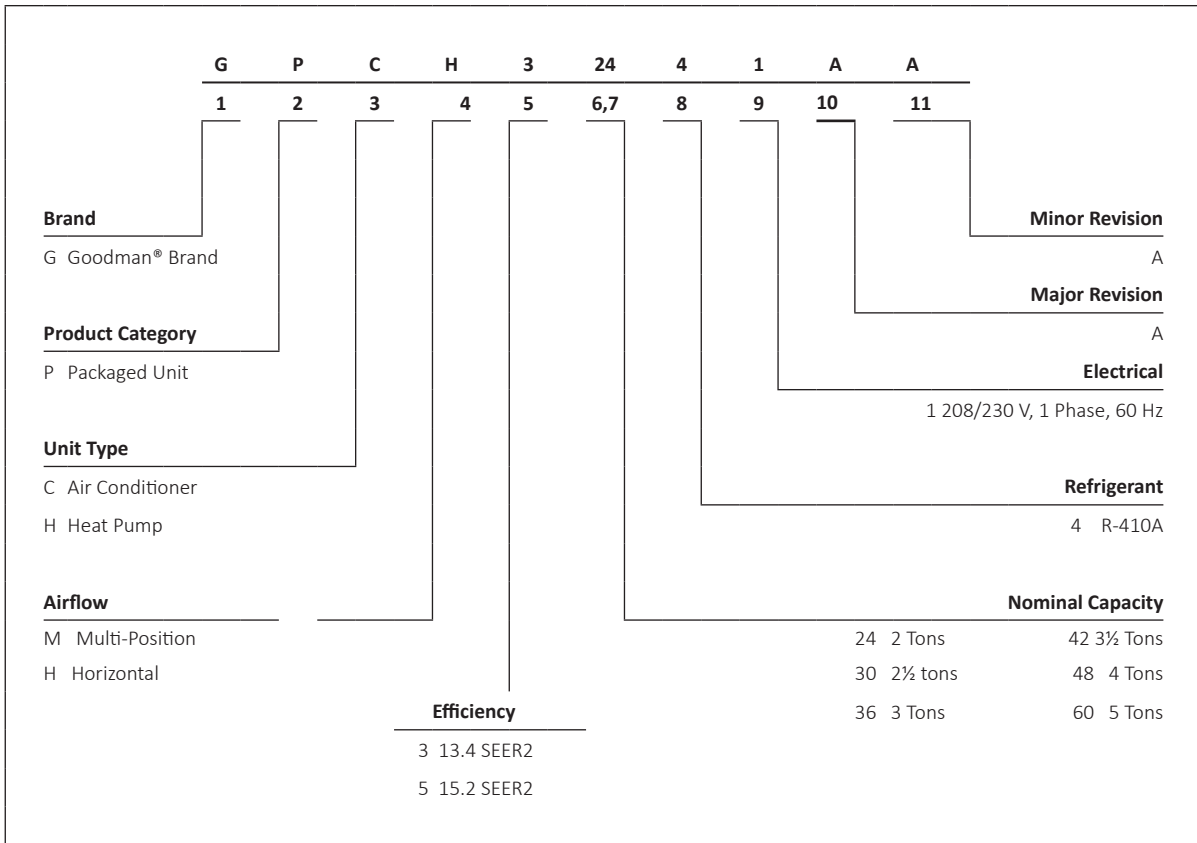
- Energy-efficient compressor
- Multi-speed ECM indoor blower motor
- Quiet horizontal discharge
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Totally enclosed, permanently lubricated condenser fan motor
- Fully charged system
- 5 kW to 20 kW electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Louvered condenser coil protection
- Aluminum foil-facing internal insulation reinforced with fiberglass scrim
- Fully insulated blower compartment with convenient access panels
- Meets cabinet air leakage requirements when tested in accordance with ASHRAE standard 193
- One footprint for all tonnages
- When properly anchored, meets the 2020 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec. The duration of warranty coverages in Texas differs in some cases.



MODELS	GPCH3 2441**	GPCH3 3041**	GPCH3 3641**	GPCH3 4241**	GPCH3 4841**	GPCH3 6041**
COOLING CAPACITY						
Total BTU/h	22,800	28,400	35,600	40,000	46,000	56,000
Sensible BTU/h	18,582	22,550	27,732	30,960	36,616	39,984
SEER2 / EER2	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6	13.4 / 10.6
AHRI Numbers	208842384	208842385	208842378	208842379	208842380	208842381
EVAPORATOR MOTOR						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 8	10 x 8	10 x 8	10 x 8	10 x 8	11 x 8
Cooling CFM ³	875	1,050	1,200	1,300	1,600	1,600
Fan-Only CFM	800	950	1,100	1,200	1,400	1,400
No. of Speeds	5	5	5	5	5	Variable
Horsepower- RPM	½- 1050	½- 1050	½- 1050	½- 1050	¾- 1050	¾- 1050
EVAPORATOR COIL						
Face Area (ft ²)	5.26	5.25	5.25	6.2	6.2	7
Rows Deep	3	3	3	4	4	4
Fins per Inch	14	16	14	14	14	14
Metering Device Type	Piston	Piston	Piston	Piston	Piston	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	51	50	57	78	87	103
CONDENSER FAN						
Horsepower- RPM	1/6- 810	1/6- 815	¼- 830	¼- 1075	¼- 1075	¼- 1075
Fan Diameter	22	22	22	22	22	22
# of Fan Blades	3	3	3	4	4	4
CONDENSER COIL						
Face Area (ft ²)	9.2855	12.3	12.3	16	19.5	17
Rows Deep	1	1	1	1	2	2
Fins per Inch	27	26	26	28	28	28
COMPRESSOR						
Quantity / Type	1 / Rotary	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll	1 / Scroll
Stage	Single	Single	Single	Single	Single	Two
ELECTRICAL DATA						
Compressor RLA/LRA	8.4/38	13.5/72.5	16.7 / 79	17.9 / 112	19.9 / 109	26.4 / 134
Voltage/Phase (60 Hz)	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1	208-230 / 1
Indoor Blower FLA	3.8	3.8	3.8	5.4	5.4	5.4
Outdoor Fan FLA	0.95	0.95	1.3	1.4	1.4	1.4
M.C.A. ¹	14.4	21.6	24.4	29.2	31.7	35.4
M.O.P. ²	20	35	35	45	50	50
OPERATING WEIGHT (LBS)						
	315	315	375	375	375	400
SHIP WEIGHT (LBS)						
	324	324	387	387	387	412

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

³ Factory

Note: Always check the S&R plate for electrical data on the unit being installed.

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				105				115								
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71					
70	1400	MBh	46.8	47.5	48.9	-	46.4	47.0	48.4	-	45.2	45.8	47.2	-	43.1	43.7	45.1	-	40.5	41.1	42.5	-	38.1	38.8	40.2	-
		S/T	0.64	0.56	0.41	-	0.64	0.56	0.42	-	0.67	0.59	0.45	-	1.00	0.61	0.47	-	1.00	0.63	0.49	-	1.00	0.69	0.54	-
		ΔT	19.09	17.32	14.03	-	19.04	17.28	13.98	-	19.29	17.52	14.23	-	19.02	17.26	13.96	-	18.79	17.02	13.73	-	19.89	18.13	14.83	-
		kW	3.10	3.10	3.09	-	3.48	3.48	3.47	-	3.91	3.90	3.90	-	4.36	4.36	4.35	-	4.88	4.87	4.87	-	5.48	5.48	5.47	-
		Amps	12.04	12.03	12.00	-	13.78	13.77	13.74	-	15.72	15.71	15.68	-	17.82	17.81	17.78	-	20.17	20.16	20.13	-	22.92	22.91	22.88	-
	1600	Hi PR	280	281	283	-	324	325	327	-	370	371	373	-	420	421	423	-	474	475	477	-	531	532	534	-
		Lo PR	125	127	130	-	133	134	137	-	139	141	144	-	145	147	150	-	151	152	155	-	157	159	162	-
		MBh	47.4	48.1	49.5	-	47.0	47.7	49.1	-	45.8	46.4	47.8	-	43.7	44.3	45.7	-	41.1	41.8	43.2	-	38.8	39.4	40.8	-
		S/T	0.70	0.62	0.48	-	0.70	0.62	0.48	-	0.73	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.75	0.61	-
		ΔT	18.02	16.26	12.96	-	17.97	16.21	12.91	-	18.22	16.46	13.16	-	17.96	16.19	12.89	-	17.72	15.96	12.66	-	18.83	17.06	13.76	-
1800	kW	3.12	3.12	3.11	-	3.50	3.50	3.49	-	3.92	3.92	3.92	-	4.38	4.38	4.37	-	4.90	4.89	4.89	-	5.50	5.50	5.49	-	
	Amps	12.13	12.12	12.09	-	13.87	13.86	13.83	-	15.81	15.80	15.77	-	17.91	17.90	17.87	-	20.26	20.25	20.22	-	23.01	23.00	22.97	-	
	Hi PR	282	283	285	-	326	327	329	-	372	374	376	-	422	423	425	-	476	477	479	-	533	534	536	-	
	Lo PR	127	128	132	-	135	136	139	-	141	143	146	-	147	148	152	-	152	154	157	-	159	161	164	-	
	MBh	48.2	48.8	50.2	-	47.7	48.4	49.8	-	46.5	47.2	48.6	-	44.4	45.1	46.5	-	41.8	42.5	43.9	-	39.5	40.2	41.6	-	

75	1400	MBh	46.8	47.5	48.9	51.0	46.4	47.1	48.5	50.6	45.2	45.8	47.2	49.4	43.1	43.7	45.1	47.3	40.5	41.2	42.6	44.7	38.2	38.8	40.2	42.4
		S/T	0.77	0.69	0.55	0.4	0.78	0.70	0.56	0.4	1.00	0.72	0.58	0.4	1.00	0.74	0.60	0.5	1.00	0.77	0.63	0.5	1.00	1.00	0.68	0.5
		ΔT	22.97	21.21	17.91	14.5	22.92	21.16	17.86	14.4	23.17	21.41	18.11	14.7	22.90	21.14	17.84	14.4	22.67	20.90	17.61	14.2	23.77	22.01	18.71	15.3
		kW	3.10	3.10	3.09	3.1	3.48	3.48	3.47	3.5	3.90	3.90	3.89	3.9	4.36	4.36	4.35	4.4	4.87	4.87	4.86	4.9	5.48	5.47	5.47	5.5
		Amps	12.03	12.02	11.99	12.1	13.77	13.76	13.73	13.9	15.71	15.70	15.67	15.8	17.81	17.80	17.77	17.9	20.16	20.14	20.11	20.2	22.91	22.90	22.87	23.0
	1600	Hi PR	280	281	283	288	324	325	327	332	370	372	374	378	420	421	423	428	474	475	477	482	531	532	534	539
		Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	147	150	155	151	152	155	161	157	159	162	168
		MBh	47.4	48.1	49.5	51.6	47.0	47.7	49.1	51.2	45.8	46.5	47.9	50.0	43.7	44.4	45.8	47.9	41.1	41.8	43.2	45.3	38.8	39.4	40.8	43.0
		S/T	0.83	0.75	0.61	0.5	1.00	0.76	0.62	0.5	1.00	0.79	0.64	0.5	1.00	0.81	0.66	0.5	1.00	0.83	0.69	0.5	1.00	1.00	0.74	0.6
		ΔT	21.90	20.14	16.84	13.4	21.86	20.09	16.79	13.4	22.10	20.34	17.04	13.6	21.84	20.07	16.78	13.4	21.60	19.84	16.54	13.1	22.71	20.94	17.65	14.2
1800	kW	3.12	3.12	3.11	3.1	3.50	3.50	3.49	3.5	3.92	3.92	3.91	3.9	4.38	4.38	4.37	4.4	4.89	4.89	4.88	4.9	5.50	5.49	5.49	5.5	
	Amps	12.12	12.11	12.08	12.2	13.86	13.85	13.82	13.9	15.80	15.79	15.76	15.9	17.90	17.89	17.86	18.0	20.25	20.23	20.20	20.3	23.00	22.99	22.96	23.1	
	Hi PR	282	284	286	290	326	328	330	335	373	374	376	381	422	424	426	431	476	477	479	484	533	535	537	542	
	Lo PR	127	129	132	137	135	136	139	145	141	143	146	151	147	148	152	157	152	154	157	162	159	161	164	169	
	MBh	48.2	48.8	50.2	52.4	47.8	48.4	49.8	52.0	46.5	47.2	48.6	50.7	44.4	45.1	46.5	48.6	41.9	42.5	43.9	46.1	39.5	40.2	41.6	43.7	

IDB = Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (ITVA) conditions.
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)
 kW = total system power

IDB	AIREFLOW	OUTDOOR AMBIENT TEMPERATURE																																															
		65								75								85								95								105								115							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																
70		MBh	57.0	57.8	59.5	-	56.5	57.3	59.0	-	55.0	55.8	57.5	-	52.4	53.2	54.9	-	49.3	50.1	51.8	-	46.4	47.2	48.9	-																							
		S/T	0.57	0.50	0.37	-	0.58	0.50	0.38	-	0.60	0.53	0.40	-	0.62	0.55	0.42	-	0.64	0.57	0.44	-	1.00	0.62	0.49	-																							
		ΔT	20.92	18.99	15.38	-	20.87	18.94	15.32	-	21.14	19.21	15.59	-	20.85	18.92	15.30	-	20.59	18.66	15.04	-	21.80	19.87	16.26	-																							
		kW	3.74	3.74	3.73	-	4.22	4.21	4.20	-	4.74	4.74	4.73	-	5.31	5.31	5.30	-	5.95	5.95	5.94	-	6.70	6.70	6.69	-																							
		Amps	13.86	13.85	13.81	-	15.92	15.90	15.87	-	18.21	18.19	18.16	-	20.69	20.67	20.64	-	23.46	23.44	23.41	-	26.71	26.70	26.66	-																							
		Hi PR	278	279	281	-	322	323	325	-	368	369	371	-	418	419	421	-	471	472	474	-	528	529	531	-																							
		Lo PR	119	119	123	-	126	127	130	-	132	133	137	-	137	139	142	-	143	144	147	-	149	151	154	-																							
1400		MBh	57.7	58.5	60.2	-	57.2	58.0	59.7	-	55.7	56.5	58.2	-	53.2	54.0	55.7	-	50.0	50.8	52.5	-	47.2	48.0	49.7	-																							
		S/T	0.63	0.55	0.43	-	0.63	0.56	0.43	-	0.66	0.58	0.46	-	0.67	0.60	0.47	-	1.00	0.62	0.50	-	1.00	0.67	0.54	-																							
		ΔT	19.76	17.82	14.21	-	19.70	17.77	14.15	-	19.97	18.04	14.43	-	19.68	17.75	14.13	-	19.42	17.49	13.88	-	20.64	18.70	15.09	-																							
		kW	3.77	3.76	3.76	-	4.24	4.24	4.23	-	4.77	4.76	4.76	-	5.34	5.33	5.33	-	5.98	5.97	5.96	-	6.72	6.72	6.71	-																							
		Amps	13.97	13.95	13.92	-	16.02	16.01	15.97	-	18.32	18.30	18.26	-	20.80	20.78	20.74	-	23.57	23.55	23.52	-	26.82	26.80	26.77	-																							
		Hi PR	281	282	284	-	324	326	328	-	370	372	374	-	420	421	423	-	473	475	476	-	530	532	533	-																							
		Lo PR	120	122	125	-	127	129	132	-	134	135	138	-	139	141	144	-	144	146	149	-	151	152	155	-																							
1800		MBh	58.6	59.4	61.1	-	58.1	58.9	60.6	-	56.6	57.4	59.1	-	54.1	54.9	56.6	-	50.9	51.7	53.4	-	48.1	48.9	50.6	-																							
		S/T	0.66	0.59	0.46	-	0.66	0.59	0.46	-	0.69	0.62	0.49	-	0.71	0.63	0.51	-	1.00	0.66	0.53	-	1.00	0.70	0.58	-																							
		ΔT	18.77	16.84	13.22	-	18.72	16.78	13.17	-	18.99	17.05	13.44	-	18.70	16.76	13.15	-	18.44	16.50	12.89	-	19.65	17.72	14.10	-																							
		kW	3.79	3.78	3.78	-	4.26	4.26	4.25	-	4.79	4.78	4.78	-	5.36	5.35	5.35	-	6.00	5.99	5.98	-	6.74	6.74	6.73	-																							
		Amps	14.06	14.04	14.01	-	16.11	16.10	16.06	-	18.40	18.39	18.35	-	20.89	20.87	20.83	-	23.66	23.64	23.61	-	26.91	26.89	26.86	-																							
		Hi PR	283	284	286	-	327	328	330	-	373	374	376	-	422	423	425	-	476	477	479	-	533	534	536	-																							
		Lo PR	122	124	127	-	129	131	134	-	136	137	140	-	141	143	146	-	146	148	151	-	153	154	157	-																							

75		MBh	57.0	57.8	59.5	62.1	56.5	57.3	59.0	61.6	55.0	55.8	57.5	60.9	52.4	53.3	55.0	57.6	49.3	50.1	51.8	54.4	46.5	47.3	49.0	51.6
		S/T	0.69	0.62	0.49	0.4	0.70	0.63	0.50	0.4	0.72	0.65	0.52	0.4	1.00	0.67	0.54	0.4	1.00	0.69	0.56	0.4	1.00	0.74	0.61	0.5
		ΔT	25.18	23.24	19.63	15.9	25.13	23.19	19.58	15.8	25.40	23.46	19.85	16.1	25.11	23.17	19.56	15.8	24.85	22.91	19.30	15.6	26.06	24.12	20.51	16.8
		kW	3.74	3.74	3.73	3.8	4.21	4.21	4.20	4.2	4.74	4.74	4.73	4.8	5.31	5.31	5.30	5.3	5.95	5.94	5.94	6.0	6.70	6.69	6.68	6.7
		Amps	13.85	13.83	13.80	14.0	15.90	15.89	15.85	16.0	18.20	18.18	18.14	18.3	20.68	20.66	20.62	20.8	23.45	23.43	23.40	23.6	26.70	26.68	26.65	26.8
		Hi PR	278	280	282	286	322	324	325	330	368	370	371	376	418	419	421	426	471	472	474	479	528	529	531	536
		Lo PR	119	120	123	128	126	127	130	135	132	134	137	142	137	139	142	147	143	144	147	152	149	151	154	159
1400		MBh	57.8	58.6	60.3	62.9	57.2	58.0	59.8	62.4	55.8	56.6	58.3	60.9	53.2	54.0	55.7	58.3	50.1	50.9	52.6	55.2	47.2	48.0	49.7	52.3
		S/T	0.75	0.68	0.55	0.4	0.75	0.68	0.55	0.4	1.00	0.71	0.58	0.4	1.00	0.72	0.60	0.5	1.00	0.74	0.62	0.5	1.00	0.79	0.67	0.5
		ΔT	24.01	22.07	18.46	14.7	23.96	22.02	18.41	14.7	24.23	22.29	18.68	14.9	23.94	22.00	18.39	14.6	23.68	21.74	18.13	14.4	24.89	22.95	19.34	15.6
		kW	3.76	3.76	3.75	3.8	4.24	4.23	4.23	4.3	4.76	4.76	4.75	4.8	5.33	5.33	5.32	5.4	5.97	5.97	5.96	6.0	6.72	6.72	6.71	6.7
		Amps	13.96	13.94	13.90	14.1	16.01	15.99	15.96	16.1	18.30	18.29	18.25	18.4	20.78	20.77	20.73	20.9	23.55	23.54	23.50	23.7	26.81	26.79	26.75	26.9
		Hi PR	281	282	284	289	325	326	328	333	371	372	374	379	420	421	423	428	474	475	477	482	531	532	534	539
		Lo PR	120	122	125	130	127	129	132	137	134	135	138	143	139	141	144	149	144	146	149	154	151	152	155	160
1600		MBh	58.7	59.5	61.2	63.8	58.1	58.9	60.7	63.3	56.7	57.5	59.2	61.8	54.1	54.9	56.6	59.2	51.0	51.8	53.5	56.1	48.1	48.9	50.6	53.2
		S/T	0.78	0.71	0.58	0.4	0.79	0.71	0.59	0.5	1.00	0.74	0.61	0.5	1.00	0.76	0.63	0.5	1.00	0.78	0.65	0.5	1.00	0.82	0.70	0.6
		ΔT	23.03	21.09	17.48	13.7	22.97	21.04	17.42	13.7	23.24	21.31	17.70	14.0	22.95	21.02	17.40	13.7	22.69	20.76	17.15	13.4	23.91	21.97	18.36	14.6
		kW	3.79	3.78	3.77	3.8	4.26	4.25	4.25	4.3	4.78	4.78	4.77	4.8	5.36	5.35	5.34	5.4	5.99	5.99	5.98	6.0	6.74	6.74	6.73	6.8
		Amps	14.05	14.03	13.99	14.2	16.10	16.08	16.05	16.2	18.39	18.37	18.34	18.5	20.87	20.86	20.82	21.0	23.64	23.63	23.59	23.7	26.89	26.88	26.84	27.0
		Hi PR	283	284	286	291	327	328	330	335	373	374	376	381	422	424	426	430	476	477	479	484	533	534	536	541
		Lo PR	122	124	127	132	129	131	134	139	136	137	140	145	141	143	146	151	146	148	151	156	153	154	157	162

kW = total system power
Amps: Unit amps (comp. + evaporator + condenser fan motors)

Shaded area reflects ACCA (ITVA) conditions.

IDB = Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction access fittings.

MODEL	SPEED*	VOLTS	TYPE	E.S.P. (IN. OF H ₂ O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPCH3 2441	T1	230	CFM	922	873	823	774	724	675	626	576
			Watts	74	85	96	107	118	129	140	151
	T2,T3	230	CFM	1172	1121	1068	1012	953	892	832	762
			Watts	135	145	155	164	175	186	184	203
	T4, T5	230	CFM	1231	1179	1127	1074	1022	969	917	865
			Watts	168	180	193	205	2108	230	243	255
GPCH3 3041	T1	230	CFM	864	808	757	695	636	567	494	437
			Watts	72	82	91	103	107	115	123	131
	T2,T3	230	CFM	1323	1270	1220	1171	1119	1060	997	945
			Watts	179	190	199	209	219	230	240	248
	T4, T5	230	CFM	1404	1362	1321	1271	1238	1191	1150	1105
			Watts	235	246	257	272	284	289	300	309
GPCH3 3641	T1	230	CFM	1161	1113	1076	1034	994	949	889	837
			Watts	139	150	163	172	184	194	207	218
	T2,T3	230	CFM	1379	1343	1305	1265	1226	1190	1148	1108
			Watts	216	229	241	254	264	276	285	296
	T4, T5	230	CFM	1542	1502	1462	1427	1392	1352	1316	1280
			Watts	291	301	314	327	339	349	359	371
GPCH3 4241	T1	230	CFM	1271	1214	1167	1127	1095	1052	1013	971
			Watts	168	177	188	200	214	224	235	249
	T2/T3	230	CFM	1491	1451	1406	1369	1335	1295	1262	1226
			Watts	245	258	268	281	294	305	318	330
	T4/T5	230	CFM	1736	1679	1638	1598	1558	1520	1484	1441
			Watts	356	372	382	395	408	422	433	442
GPCH3 4841	T1	230	CFM	1337	1297	1218	1155	1118	1088	1022	989
			Watts	179	190	203	210	225	243	249	268
	T2/T3	230	CFM	1758	1715	1674	1637	1596	1557	1518	1474
			Watts	394	406	418	430	443	455	466	474
	T4/T5	230	CFM	2002	1935	1885	1827	1767	1732	1669	1618
			Watts	498	521	516	534	551	567	571	574

* Speed set at T2 at the factory. DP3CH6041

GPCH36041

COOLING / HP SPEED	ADJUST TAP	CFM*	ELECTRIC HEAT	ADJUST TAP	CFM*
D	Minus	1,506	D	Minus	1,506
	Normal	1,699		Normal	1,699
	Plus	1,872		Plus	1,872
C	Minus	1,420	C	Minus	1,420
	Normal	1,596		Normal	1,596
	Plus	1,764		Plus	1,764
B	Minus	1,323	B	Minus	1,323
	Normal	1,491		Normal	1,491
	Plus**	1,642		Plus**	1,642
A	Minus	1,217	A	Minus	1,217
	Normal	1,385		Normal	1,385
	Plus	1,537		Plus	1,537

* - @ 0.1- 0.8 ESP ** - Factory Default

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL KW / BTU@ 240V
	MCA ¹	MOP ²	MCA ¹	MOP ²	MCA ¹	MOP ²	
GPCH32441*	1.9	---	---	---	--	--	---
HKP-05C*	24.7	25	---	---	29.5	30	4.75 / 16,200
HKR-08C*	36.5	40	---	---	41.2	45	7 / 23,800
HKP-10C*	49.5	50	---	---	54.2	60	9.5 / 32,400
GPCH33041*	2.3	---	---	---	--	--	---
HKP-05C*	24.7	25	---	---	29.5	35	4.75 / 16,200
HKR-08C*	36.5	40	---	---	41.2	45	7 / 23,800
HKP-10C*	49.5	50	---	---	54.2	60	9.5 / 32,400
HKP-15C*	49.5	50	24.7	25	79	80	14.25 / 48,600
GPCH33641*	2.3	---	---	---	--	--	---
HKP-05C*	24.7	25	---	---	29.5	35	4.75 / 16,200
HKR-08C*	36.5	40	---	---	41.2	45	7 / 23,800
HKP-10C*	49.5	50	---	---	54.2	60	9.5 / 32,400
HKP-15C*	49.5	50	24.7	25	79	80	14.25 / 48,600
GPCH34241*	3.6	---	---	---	--	--	---
HKP-05C*	24.7	25	---	---	31.7	50	4.75 / 16,200
HKR-08C*	36.5	40	---	---	43.2	50	7 / 23,800
HKP-10C*	49.5	50	---	---	56.2	60	9.5 / 32,400
HKP-15C*	49.5	50	24.7	25	81	90	14.25 / 48,600
HKP-20C	49.5	50	49.5	50	105.7	110	19.0 / 64,800
GPCH34841*	3.6	---	---	---	--	--	---
HKP-05C*	25	25	---	---	32	50	4.75 / 16,200
HKR-08C*	36	40	---	---	43	50	7 / 23,800
HKP-10C*	49	50	---	---	56	60	9.5 / 32,400
HKP-15C*	49	50	25	25	81	90	14.25 / 48,600
HKP-20C	49	50	49	50	106	110	19.0 / 64,800
GPCH36041*	7.5	---	---	---	--	--	---
HKP-05C*	24.7	25	---	---	35.4	50	4.75 / 16,200
HKR-08C*	36.5	40	---	---	43.2	50	7 / 23,800
HKP-10C*	49.5	50	---	---	56.2	60	9.5 / 32,400
HKP-15C*	49.5	50	24.7	25	81	90	14.25 / 48,600
HKP-20C	49.5	50	49.5	50	105.7	110	19.0 / 64,800

¹ Minimum Circuit Ampacity @ 208 / 240 V

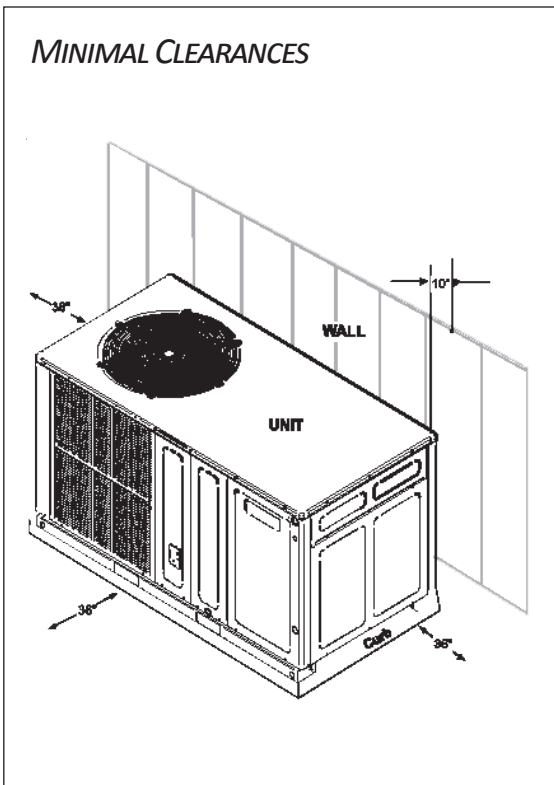
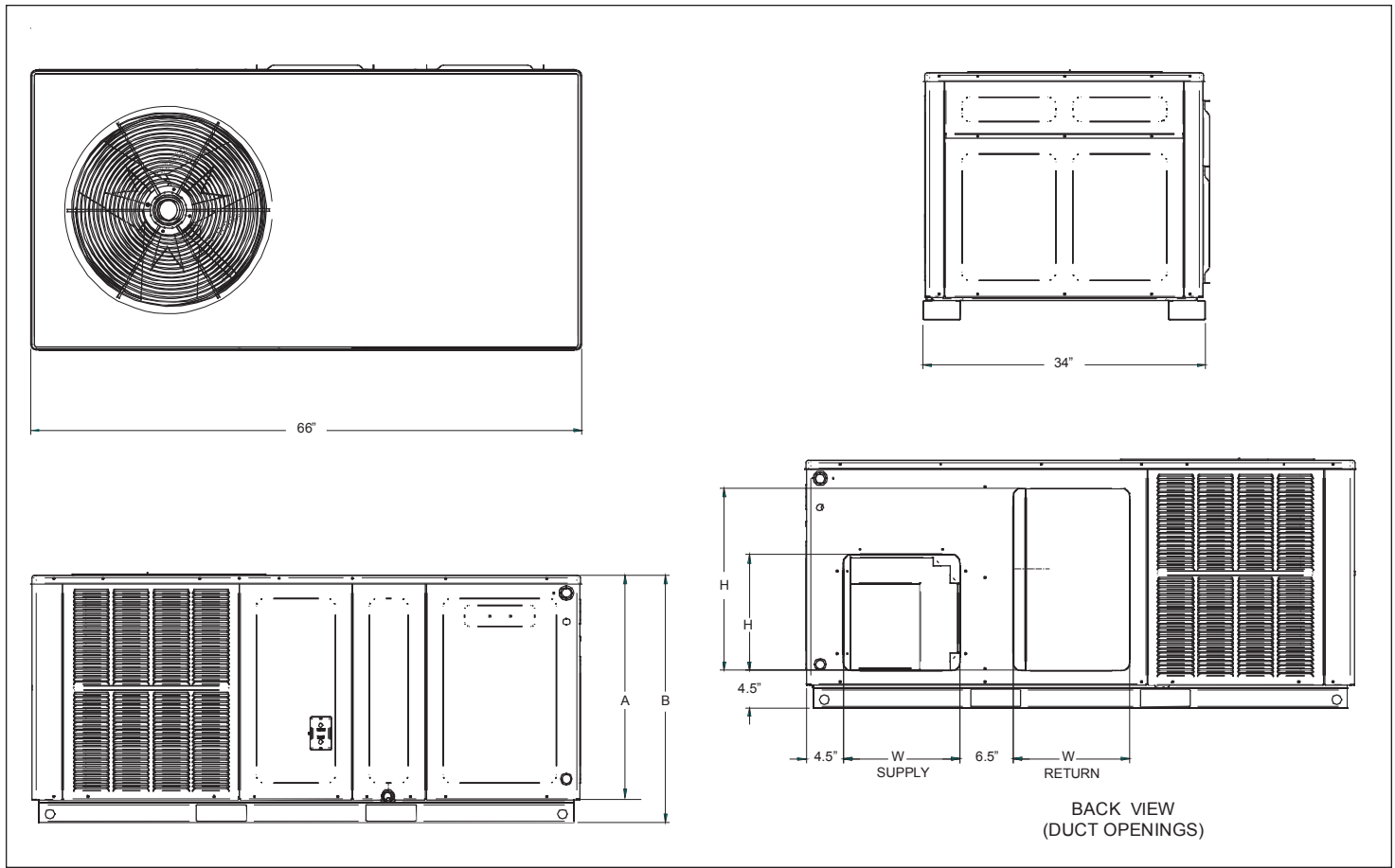
² Maximum Overcurrent Protection Device @ 208 / 240 V

* Revision level that may or may not be designated

C Circuit breaker option

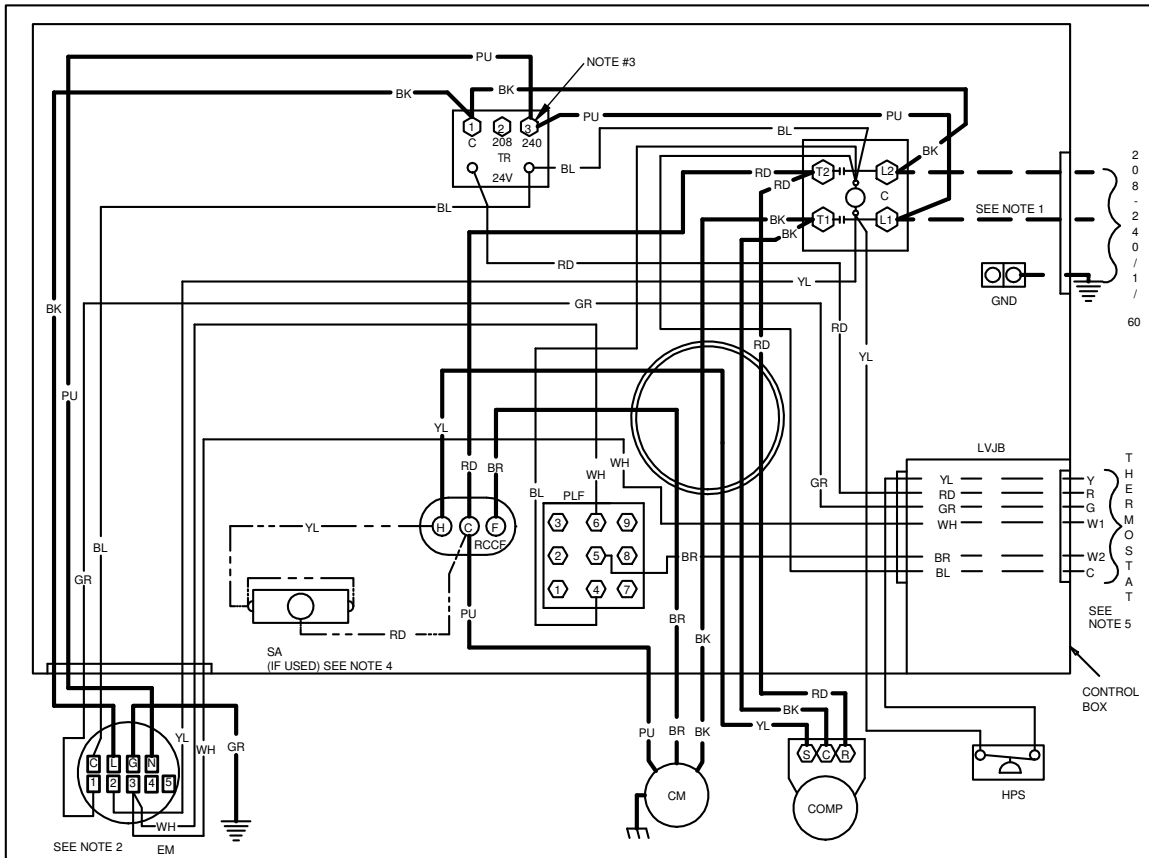
HKP-15C and HKP-20C replace HKR-15C and HKR-20C respectively to meet new UL1995 requirements.

DIMENSIONS

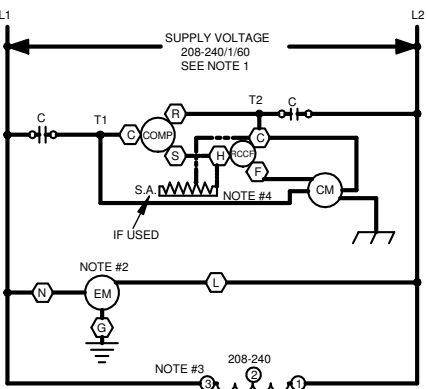


MODEL	DIMENSIONS					CHASSIS SIZE
	W"	D"	H"	A"	B"	
GPCH32441*	66	34	22	27½	30	Small
GPCH33041*	66	34	22	27½	30	Small
GPCH33641*	66	34	22	27½	30	Small
GPCH34241*	66	34	22	32½	35	Medium
GPCH34841*	66	34	24	32½	35	Medium
GPCH36041*	66	34	24	32½	35	Medium

MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPCH32441*	14	14	14	22
GPCH33041*	14	14	14	22
GPCH33641*	14	14	14	22
GPCH34241*	14	14	14	22
GPCH34841*	14	14	14	24
GPCH36041*	14	14	14	24

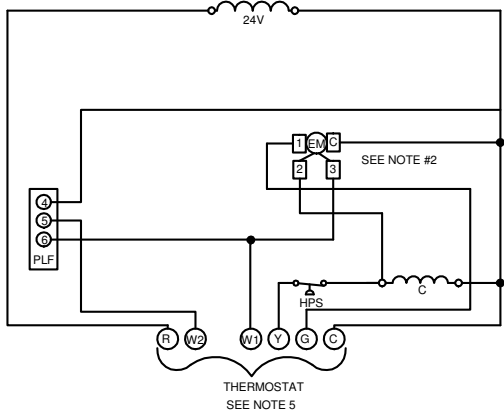


SEE NOTE 2



NOTE #2

NOTE #3



SEE NOTE #2

THERMOSTAT
SEE NOTE 5

COMPONENT LEGEND

- BR BLOWER INTERLOCK RELAY
- C CONTACTOR
- CH CRACKCASE HEATER
- CM CONDENSER MOTOR
- COMP COMPRESSOR
- EBTDR ELECTRONIC BLOWER TIME DELAY RELAY
- EM EVAPORATOR MOTOR
- FC FAN CAPACITOR
- GND EQUIPMENT GROUND
- LVJB LOW VOLTAGE JUNCTION BOX
- PLF FEMALE PLUG / CONNECTOR
- RCCF RUN CAPACITOR FOR COMPRESSOR AND FAN
- SA START ASSIST
- TR TRANSFORMER
- HPS HIGH PRESSURE SWITCH

- FACTORY WIRING
- LINE VOLTAGE
 - LOW VOLTAGE
 - OPTIONAL HIGH VOLTAGE

- FIELD WIRING
- - - HIGH VOLTAGE
 - - - LOW VOLTAGE

WIRE CODE

- BK BLACK
- BL BLUE
- BR BROWN
- GR GREEN
- OR ORANGE
- PU PURPLE
- RD RED
- WH WHITE
- YL YELLOW

- JUNCTION
- TERMINAL
- INTERNAL TO INTEGRATED CONTROL
- PLUG CONNECTION
- SWITCH (PRESS.)
- OVERCURRENT PROT. DEVICE

- EQUIPMENT GROUND
- FIELD GROUND
- FIELD SPLICE
- SWITCH (TEMP)
- IGNITER

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED REPLACE LEAD ON EBTDR "COM" WITH LEAD ON EBTDR "M1" OR "M2"
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTOR EQUIPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY USE N.E.C. CLASS 2 WIRE

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



208-240/1/60 0140G00871-D

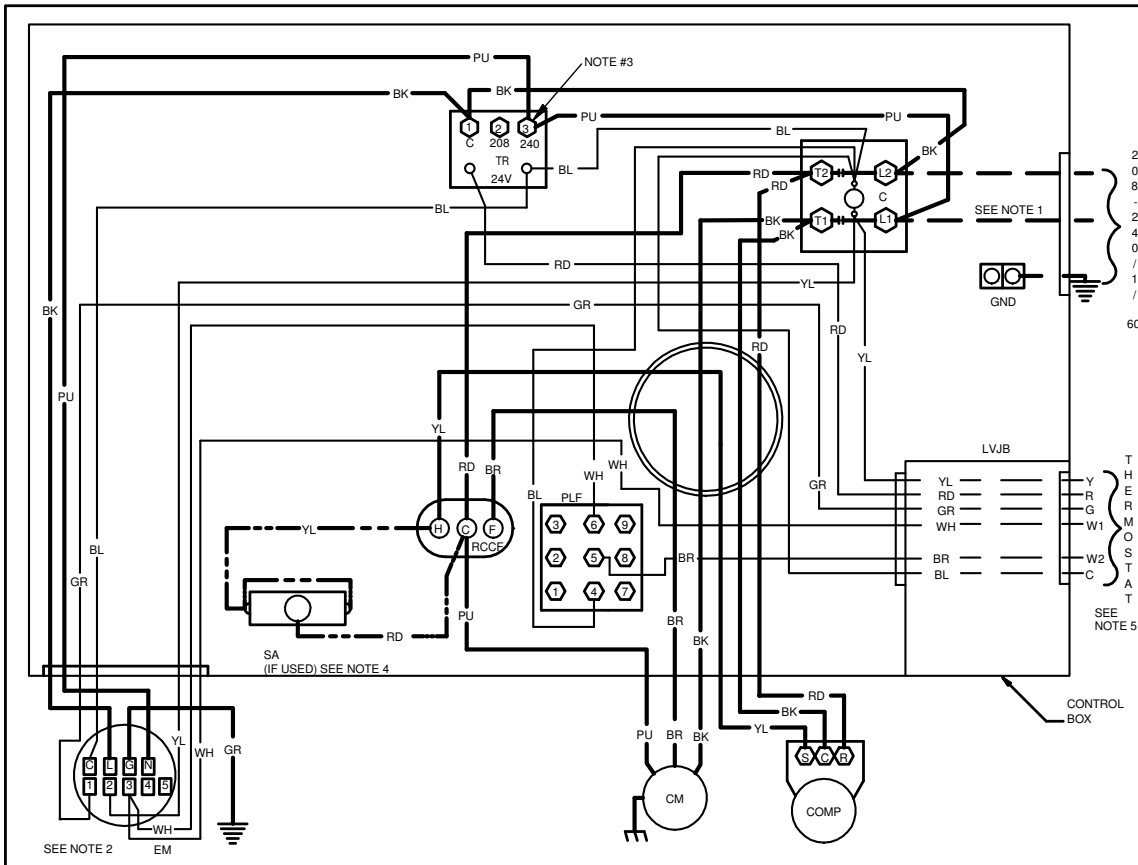


High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

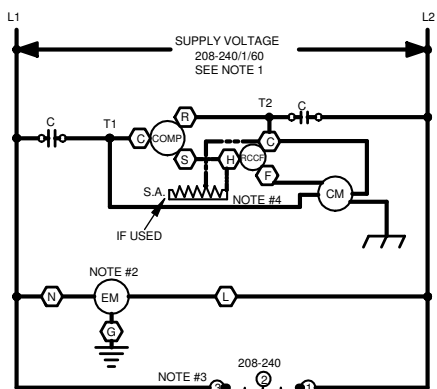


SEE NOTE 2

208-240/1/60

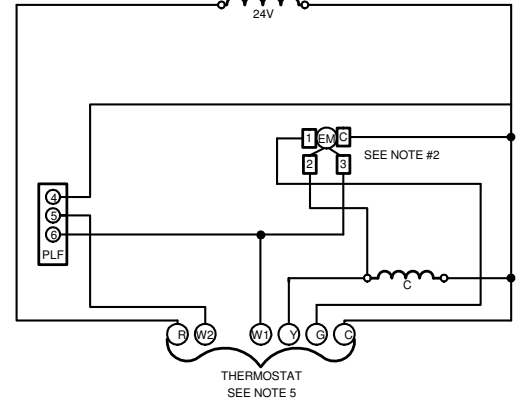
SEE NOTE 1

CONTROL BOX



NOTE #2

NOTE #3



SEE NOTE #2

THERMOSTAT
SEE NOTE 5

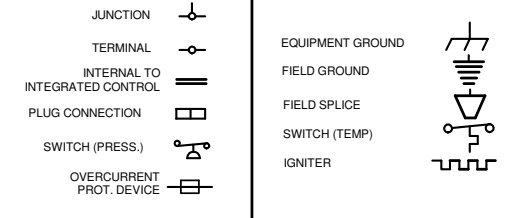
COMPONENT LEGEND

- BR BLOWER INTERLOCK RELAY
- C CONTACTOR
- CH CRACKCASE HEATER
- CM COMPRESSOR MOTOR
- COMP COMPRESSOR
- EBTDR ELECTRONIC BLOWER TIME DELAY RELAY
- EM EVAPORATOR MOTOR
- FC FAN CAPACITOR
- GND EQUIPMENT GROUND
- LVJB LOW VOLTAGE JUNCTION BOX
- PLF FEMALE PLUG / CONNECTOR
- RCCF RUN CAPACITOR FOR COMPRESSOR AND FAN
- SA START ASSIST
- TR TRANSFORMER

FACTORY WIRING
 — LINE VOLTAGE
 — LOW VOLTAGE
 — OPTIONAL HIGH VOLTAGE

FIELD WIRING
 - - - HIGH VOLTAGE
 - - - LOW VOLTAGE

- WIRE CODE
- BK BLACK
 - BL BLUE
 - BR BROWN
 - GR GREEN
 - OR ORANGE
 - PU PURPLE
 - RD RED
 - WH WHITE
 - YL YELLOW



NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED REPLACE LEAD ON EBTDR "M1" OR "M2"
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTOR EQUIPPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY USE N.E.C. CLASS 2 WIRE

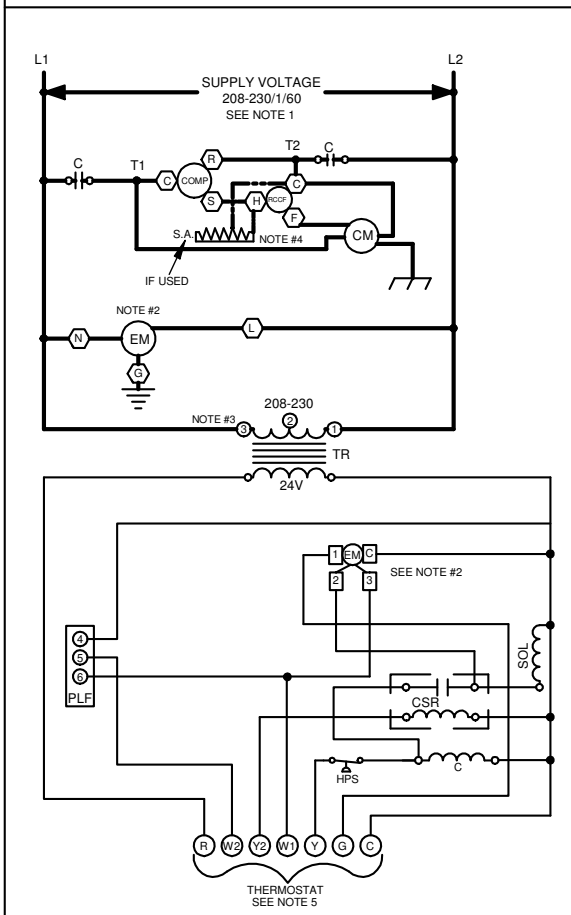
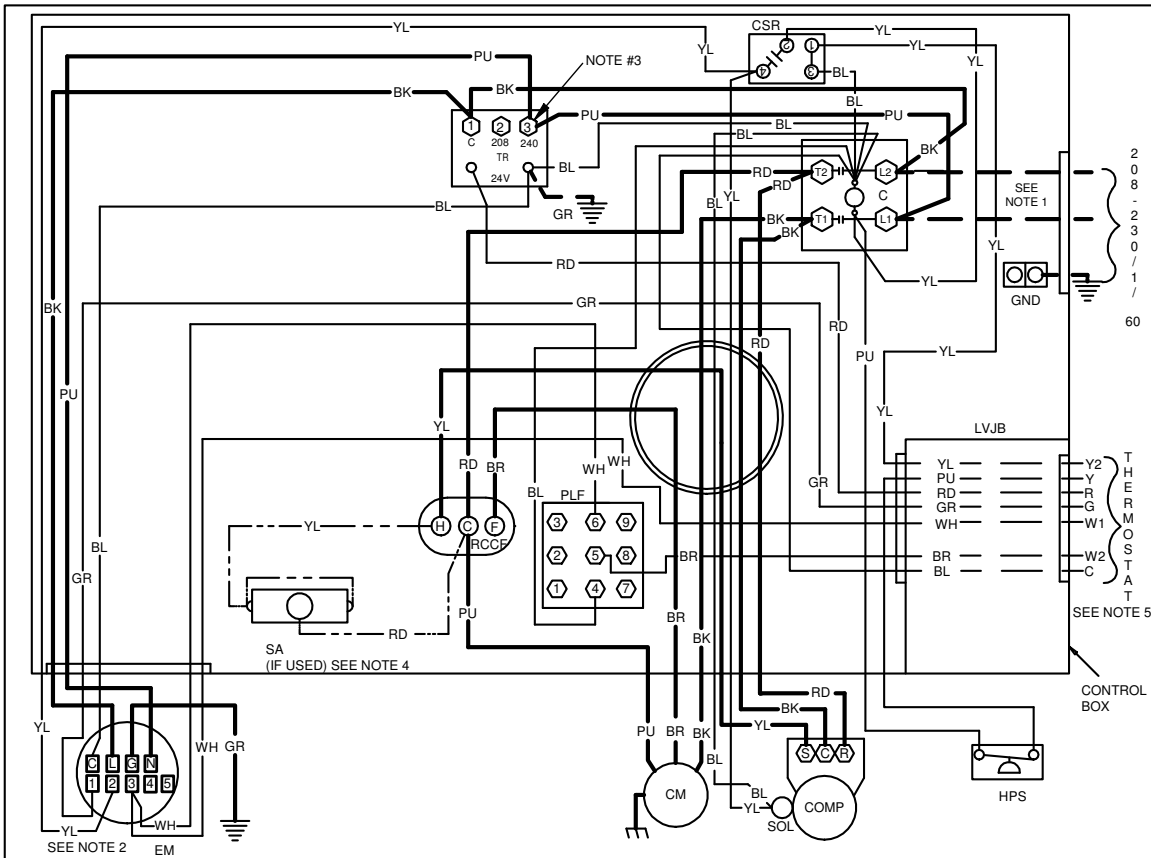
SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



208-240/1/60 0140G00407-C

WARNING
High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



COMPONENT LEGEND

C	CONTACTOR	CSR	COMPRESSOR SOLENOID RELAY
CM	CONDENSER MOTOR	EM	EVAPORATOR MOTOR
COMP	COMPRESSOR	GND	EQUIPMENT GROUND
EM	EVAPORATOR MOTOR	LVJB	LOW VOLTAGE JUNCTION BOX
GND	EQUIPMENT GROUND	PLF	FEMALE PLUG / CONNECTOR
LVJB	LOW VOLTAGE JUNCTION BOX	RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN
PLF	FEMALE PLUG / CONNECTOR	SA	START ASSIST
RCCF	RUN CAPACITOR FOR COMPRESSOR AND FAN	TR	TRANSFORMER
SA	START ASSIST	HPS	HIGH PRESSURE SWITCH
TR	TRANSFORMER	SOL	HI STAGE SOLENOID
HPS	HIGH PRESSURE SWITCH		
CSR	COMPRESSOR SOLENOID RELAY		
SOL	HI STAGE SOLENOID		

FACTORY WIRING

- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

FIELD WIRING

- - - HIGH VOLTAGE
- - - LOW VOLTAGE

WIRE CODE

- BK BLACK
- BL BLUE
- BR BROWN
- GR GREEN
- OR ORANGE
- PU PURPLE
- RD RED
- WH WHITE
- YL YELLOW

JUNCTION

TERMINAL

INTERNAL TO INTEGRATED CONTROL

PLUG CONNECTION

SWITCH (PRESS.)

OVERCURRENT PROT. DEVICE

EQUIPMENT GROUND

FIELD GROUND

FIELD SPLICE


SWITCH (TEMP)

IGNITER

NOTES:

1. REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE INSULATION AS ORIGINAL (AT LEAST 105°C) USE COPPER CONDUCTOR ONLY.
2. TO CHANGE EVAPORATOR MOTOR SPEED MOVE YELLOW AND WHITE LEADS FROM EM "2" AND "3" TO "4" AND "5". IF BOTH LEADS ARE ENERGIZED, THE HIGHER SPEED SETTING IS USED.
3. FOR 208 VOLT TRANSFORMER OPERATION MOVE PURPLE WIRES FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
4. START ASSIST FACTOR EQUIPPED WHEN REQUIRED
5. USE COPPER CONDUCTORS ONLY USE N.E.C. CLASS 2 WIRE

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION



208-230/1/60 0140G03702-B

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

ACCESSORY DESCRIPTION	ITEM NUMBER	
	SMALL CHASSIS	MEDIUM/LARGE CHASSIS
Downflow Economizer (use w/PCCP roof curb)	DDNECNJPCHHA	DDNECNJPCHHA
Downflow Plenum Kit (use w/PCCP roof curb)	PCP101-103	PCP101-103
Downflow Plenum Kit (R-8) (use w/PCCP roof curb)	PCP101-103 R8	PCP101-103 R8
Elbow Flashing w/R-8 Liner	PCEF101-103	PCEF101-103
Economizer Wiring Harness	0259G00213	0259G00213
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHM
Inline Fuse Kit	INFKPKG01	INFKPKG01
Manual Damper	PCMD101-103	PCMD101-103
Manual Damper- Horizontal	GPHMD101-103	GPHMD101-103
Motorized Damper	PCMDM101-103	PCMDM101-103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	PCCP101-103	PCCP101-103
Square to Round Downflow (use w/PCCP roof curb)	SQRPC101	SQRPC102-103
Square to Round Horizontal	SQRPCH101	SQRPCH102-103

SINGLE-POINT WIRING KITS

Select the single-point kit accessory based on the unit model.

MODEL	SINGLE-POINT KIT
GPCH32441**	SPK-15
GPCH33041**	SPK-30
GPCH33641**	SPK-40
GPCH34241**	SPK-40
GPCH34841**	SPK-45
GPCH36041**	SPK-60