

PACKAGED AIR CONDITIONER

13.4 SEER2

2 TO 5 TONS



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Standard Features

- Energy-efficient scroll compressor
- Multi-speed ECM indoor blower motor
- Convertible airflow: horizontal or downflow application
- Copper tube/aluminum fin condenser coil
- All-aluminum evaporator coil
- Electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

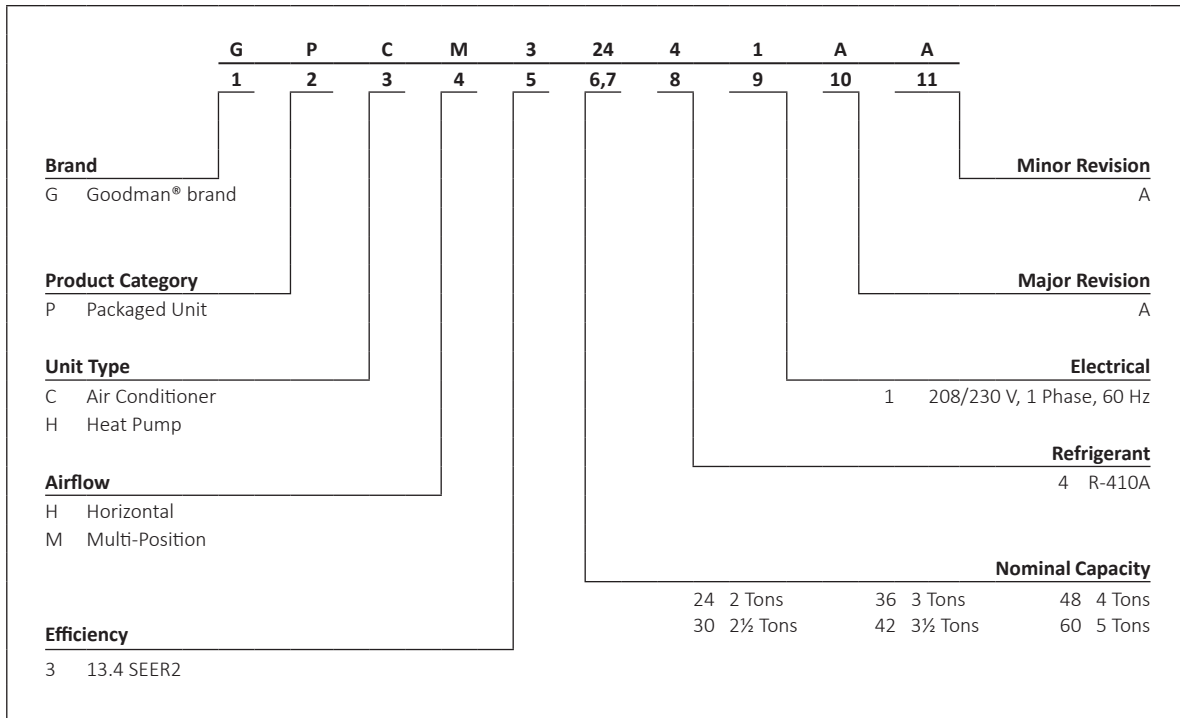
Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- 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
- Louvered condenser coil protection
- 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)

10 PARTS LIMITED YEAR WARRANTY*



* 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.



	GPCM3 2441**	GPCM3 3041**	GPCM3 3641**	GPCM3 4241**	GPCM3 4841**	GPCM3 6041**
COOLING CAPACITY						
Total BTU/h	22,800	27,800	34,200	40,000	44,500	54,500
Sensible BTU/h	17,400	21,600	26,000	30,500	34,500	39,000
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	210286382	210286384	210286520	210286385	210286386	210286388
EVAPORATOR MOTOR						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9	10 x 9
Cooling CFM3	800	1000	1200	1325	1600	1700
No. of Speeds	5	5	5	5	5	5
Horsepower - RPM	1/2 - 1050	1/2 - 1050	1/2 - 1050	3/4 - 1050	3/4 - 1050	1 - 1050
EVAPORATOR COIL						
Face Area (ft2)	4.55	4.55	4.55	6.2	6.2	6.2
Rows Deep	4	4	4	4	4	4
Fins per Inch	14	14	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.)	79	78	77	105	102	177
CONDENSER FAN						
Horsepower - RPM	¼ - 815	¼ - 830	¼ - 1,075	¼ - 1,075	¼ - 1,075	½ - 1120
Fan Diameter	22	22	22	22	22	22
# of Fan Blades	3	3	3	3	3	3
CONDENSER COIL						
Face Area (ft2)	12.29	12.29	8.78	15.36	15.36	21
Rows Deep	1	1	2	1	1	2
Fins per Inch	24	24	27	24	24	16
COMPRESSOR						
Quantity	1	1	1	1	1	1
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single
SOUND POWER						
dBA	78	78	80	78	82	80
ELECTRICAL DATA						
Compressor RLA/LRA	13.5 / 58.3	14.1 / 73	16.7 / 79	16.7 / 109	19.9 / 110	25.6 / 150
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	7
Outdoor Fan FLA	0.95	1.3	1.4	1.4	1.4	2
M.C.A.1	21.6	23	26.1	27.7	31.7	41
M.O.P.2	35	35	40	40	50	60
SHIP WEIGHT (LBS)						
	319	342	365	435	435	458

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.

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

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																													
		65°F					75°F					85°F					95°F					105°F					115°F				
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75
		ENTERING INDOOR WET BULB TEMPERATURE																													
70		ENTERING INDOOR WET BULB TEMPERATURE																													
		ENTERING INDOOR WET BULB TEMPERATURE																													
		ENTERING INDOOR WET BULB TEMPERATURE																													

75		ENTERING INDOOR WET BULB TEMPERATURE														
		ENTERING INDOOR WET BULB TEMPERATURE														
		ENTERING INDOOR WET BULB TEMPERATURE														
		ENTERING INDOOR WET BULB TEMPERATURE														
		ENTERING INDOOR WET BULB TEMPERATURE														

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

Shaded area reflects ACCA (TVA) conditions.

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										ENTERING INDOOR WET BULB TEMPERATURE																			
		65°F					75°F					85°F					95°F					105°F					115°F				
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75
80	MBh	28.4	28.8	29.7	31.0	28.2	28.6	29.4	30.7	27.4	27.8	28.7	30.0	26.2	26.6	27.4	28.7	24.6	25.0	25.9	27.2	23.2	23.6	24.4	25.7						
	S/T	1.00	0.78	0.64	0.5	1.00	0.79	0.65	0.5	1.00	0.81	0.67	0.5	1.00	0.83	0.69	0.5	1.00	1.00	1.00	0.72	0.6	1.00	1.00	0.77	0.6					
	ΔT	26.11	24.42	21.26	18.0	26.06	24.37	21.22	18.0	26.30	24.61	21.46	18.2	26.04	24.35	21.20	17.9	25.82	24.13	20.98	17.7	26.88	25.19	22.03	18.8						
	kW	1.87	1.87	1.86	1.9	2.10	2.10	2.10	2.1	2.36	2.36	2.36	2.4	2.64	2.64	2.64	2.7	2.96	2.95	2.95	3.0	3.32	3.32	3.32	3.3						
	Amps	7.40	7.39	7.37	7.5	8.46	8.46	8.44	8.5	9.65	9.64	9.63	9.7	10.94	10.93	10.91	11.0	12.38	12.37	12.35	12.4	14.06	14.05	14.04	14.1						
875	Hi PR	267	269	270	275	310	311	313	317	354	355	357	362	401	403	404	409	453	454	456	460	508	509	511	515						
	Lo PR	124	125	129	134	131	133	136	141	138	140	143	148	144	145	148	154	149	151	154	159	156	157	161	166						
	MBh	28.9	29.3	30.2	31.5	28.7	29.1	29.9	31.2	27.9	28.3	29.2	30.5	26.7	27.1	27.9	29.2	25.1	25.5	26.3	27.6	23.7	24.1	24.9	26.2						
	S/T	1.00	0.87	0.73	0.6	1.00	0.88	0.74	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	1.00	0.81	0.7	1.00	1.00	0.86	0.7					
	ΔT	24.69	23.01	19.85	16.6	24.65	22.96	19.81	16.5	24.89	23.20	20.04	16.8	24.63	22.94	19.79	16.5	24.41	22.72	19.56	16.3	25.46	23.77	20.62	17.4						
1000	kW	1.89	1.88	1.88	1.9	2.12	2.12	2.11	2.1	2.38	2.38	2.37	2.4	2.66	2.66	2.65	2.7	2.97	2.97	2.97	3.0	3.34	3.34	3.34	3.4						
	Amps	7.48	7.47	7.45	7.5	8.54	8.53	8.51	8.6	9.73	9.72	9.70	9.8	11.02	11.01	10.99	11.1	12.45	12.44	12.43	12.5	14.14	14.13	14.11	14.2						
	Hi PR	270	272	274	278	313	314	316	320	357	358	360	365	405	406	408	412	456	457	459	464	511	512	514	518						
	Lo PR	126	128	131	136	134	135	138	144	140	142	145	150	146	147	151	156	151	153	156	161	158	160	163	168						
	MBh	29.2	29.6	30.4	31.7	28.9	29.3	30.2	31.5	28.2	28.6	29.4	30.7	26.9	27.3	28.1	29.4	25.3	25.7	26.6	27.9	23.9	24.3	25.2	26.5						
1200	S/T	1.00	0.89	0.75	0.6	1.00	0.90	0.76	0.6	1.00	0.93	0.79	0.6	1.00	1.00	0.81	0.7	1.00	1.00	1.00	0.83	0.7	1.00	1.00	0.88	0.7					
	ΔT	24.19	22.50	19.35	16.1	24.14	22.45	19.30	16.0	24.38	22.69	19.54	16.3	24.13	22.44	19.28	16.0	23.90	22.21	19.06	15.8	24.96	23.27	20.11	16.8						
	kW	1.89	1.89	1.89	1.9	2.12	2.12	2.12	2.1	2.38	2.38	2.38	2.4	2.66	2.66	2.66	2.7	2.98	2.98	2.97	3.0	3.35	3.35	3.34	3.4						
	Amps	7.50	7.49	7.48	7.6	8.57	8.56	8.54	8.6	9.76	9.75	9.73	9.8	11.04	11.03	11.02	11.1	12.48	12.47	12.45	12.5	14.17	14.16	14.14	14.2						
	Hi PR	272	273	275	279	314	315	317	322	358	359	361	366	406	407	409	413	457	458	460	465	512	513	515	520						
Lo PR	127	129	132	137	135	136	140	145	141	143	146	151	147	149	152	157	153	154	157	163	159	161	164	169							

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE										ENTERING INDOOR WET BULB TEMPERATURE																			
		65°F					75°F					85°F					95°F					105°F					115°F				
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75
875	MBh	28.9	29.3	30.2	31.5	28.7	29.1	29.9	31.2	27.9	28.3	29.2	30.5	26.6	27.0	27.9	29.2	25.1	25.5	26.3	27.6	23.7	24.1	24.9	26.2						
	S/T	1.00	0.89	0.75	0.6	1.00	0.89	0.75	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	1.00	0.82	0.7	1.00	1.00	0.7						
	ΔT	29.42	27.73	24.58	21.3	29.38	27.69	24.53	21.3	29.61	27.93	24.77	21.5	29.36	27.67	24.52	21.2	29.13	27.44	24.29	21.0	30.19	28.50	25.35	22.1						
	kW	1.87	1.87	1.87	1.9	2.11	2.10	2.10	2.1	2.37	2.36	2.36	2.4	2.65	2.64	2.64	2.7	2.96	2.96	2.95	3.0	3.33	3.33	3.32	3.3						
	Amps	7.42	7.41	7.39	7.5	8.48	8.48	8.46	8.5	9.67	9.66	9.65	9.7	10.96	10.95	10.93	11.0	12.40	12.39	12.37	12.5	14.08	14.07	14.06	14.1						
85	Hi PR	269	270	272	276	311	312	314	319	355	356	358	363	403	404	406	410	454	455	457	462	509	510	512	517						
	Lo PR	126	127	130	136	133	135	138	143	140	141	145	150	145	147	150	155	151	152	156	161	158	159	162	168						
	MBh	29.4	29.8	30.6	31.9	29.1	29.5	30.4	31.7	28.4	28.8	29.7	30.9	27.1	27.5	28.4	29.7	25.6	26.0	26.8	28.1	24.1	24.5	25.4	26.7						
	S/T	1.00	0.98	0.84	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	1.00	0.91	0.8	1.00	1.00	0.8						
	ΔT	28.01	26.32	23.17	19.9	27.96	26.28	23.12	19.9	28.20	26.51	23.36	20.1	27.95	26.26	23.10	19.8	27.72	26.03	22.88	19.6	28.78	27.09	23.94	20.7						
1000	kW	1.89	1.89	1.88	1.9	2.12	2.12	2.12	2.1	2.38	2.38	2.38	2.4	2.66	2.66	2.66	2.7	2.98	2.98	2.97	3.0	3.35	3.34	3.34	3.4						
	Amps	7.50	7.49	7.47	7.6	8.56	8.55	8.53	8.6	9.75	9.74	9.72	9.8	11.04	11.03	11.01	11.1	12.47	12.46	12.45	12.5	14.16	14.15	14.13	14.2						
	Hi PR	272	273	275	279	314	315	317	322	358	359	361	366	406	407	409	413	457	458	460	465	512	513	515	520						
	Lo PR	128	130	133	138	136	137	140	146	142	144	147	152	148	149	152	158	153	155	158	163	160	162	165	170						
	MBh	29.6	30.0	30.9	32.2	29.4	29.8	30.6	31.9	28.7	29.1	29.9	31.2	27.4	27.8	28.6	29.9	25.8	26.2	27.1	28.4	24.4	24.8	25.6	26.9						
1200	S/T	1.00	1.00	0.86	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.7	1.00	1.00	0.91	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8						
	ΔT	27.50	25.82	22.66	19.4	27.46	25.77	22.62	19.3	27.70	26.01	22.85	19.6	27.44	25.75	22.60	19.3	27.22	25.53	22.37	19.1	28.27	26.58	23.43	20.2						
	kW	1.90	1.89	1.89	1.9	2.13	2.13	2.12	2.1	2.39	2.39	2.38	2.4	2.67	2.67	2.66	2.7	2.98	2.98	2.98	3.0	3.35	3.35	3.35	3.4						
	Amps	7.52	7.51	7.50	7.6	8.59	8.58	8.56	8.6	9.78	9.77	9.75	9.8	11.06	11.05	11.04	11.1	12.50	12.49	12.47	12.6	14.19	14.18	14.16	14.2						
	Hi PR	273	274	276	281	315	316	318	323	359	361	362	367	407	408	410	415	458	460	461	466	513	514	516	521						
Lo PR	129	131	134	139	137	138	141	147	143	145	148	153	149	150	154	159	154	156	159	164	161	163	166	171							

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction access fittings.

Shaded area reflects AHRI (TVA) conditions

kW = Total system power
Amps = outdoor unit amps (comp.+fan)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE												115°F											
		65°F				75°F				85°F				95°F				105°F				115°F															
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71												
80	MBh	41.5	42.0	43.3	45.1	41.1	41.7	42.9	44.7	40.0	40.6	41.8	43.7	38.2	38.8	40.0	41.9	36.0	36.5	37.8	39.6	33.9	34.5	35.7	37.6												
	S/T	1.00	0.86	0.72	0.6	1.00	0.86	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.79	0.6												
	ΔT	26.32	24.52	21.16	17.7	26.27	24.47	21.11	17.6	26.53	24.73	21.37	17.9	26.26	24.46	21.09	17.6	26.02	24.22	20.85	17.4	27.14	25.34	21.98	18.5												
	kW	2.70	2.69	2.69	2.7	3.03	3.03	3.02	3.0	3.41	3.40	3.40	3.4	3.81	3.81	3.80	3.8	4.27	4.26	4.26	4.3	4.80	4.80	4.79	4.8												
	Amps	10.69	10.68	10.65	10.8	12.23	12.22	12.19	12.3	13.95	13.93	13.91	14.0	15.80	15.79	15.77	15.9	17.88	17.87	17.84	18.0	20.31	20.30	20.28	20.4												
	Hi PR	276	277	279	284	319	320	322	327	364	366	368	372	413	414	416	421	465	467	469	473	521	523	524	529												
Lo PR	130	132	135	140	138	139	143	148	145	146	149	155	150	152	155	161	156	157	161	166	163	165	168	173													
1300	MBh	41.8	42.4	43.6	45.5	41.5	42.1	43.3	45.1	40.4	41.0	42.2	44.1	38.6	39.2	40.4	42.2	36.4	36.9	38.1	40.0	34.3	34.9	36.1	38.0												
	S/T	1.00	0.88	0.74	0.6	1.00	0.89	0.75	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.82	0.7												
	ΔT	25.75	23.94	20.58	17.1	25.70	23.90	20.53	17.1	25.95	24.15	20.79	17.3	25.68	23.88	20.52	17.0	25.44	23.64	20.27	16.8	26.56	24.76	21.40	17.9												
	kW	2.70	2.70	2.70	2.7	3.04	3.04	3.03	3.1	3.42	3.41	3.41	3.4	3.82	3.82	3.81	3.8	4.27	4.27	4.27	4.3	4.81	4.80	4.80	4.8												
	Amps	10.74	10.72	10.70	10.8	12.27	12.26	12.23	12.4	13.99	13.98	13.95	14.1	15.85	15.83	15.81	15.9	17.92	17.91	17.88	18.0	20.36	20.34	20.32	20.4												
	Hi PR	278	279	281	285	321	322	324	329	366	367	369	374	414	416	417	422	467	468	470	475	523	524	526	531												
Lo PR	131	133	136	141	139	141	144	149	146	147	151	156	152	153	156	162	157	159	162	167	164	166	169	174													
1575	MBh	42.6	43.2	44.4	46.3	42.3	42.8	44.1	45.9	41.2	41.8	43.0	44.8	39.4	39.9	41.2	43.0	37.1	37.7	38.9	40.8	35.1	35.7	36.9	38.7												
	S/T	1.00	0.90	0.77	0.6	1.00	0.91	0.77	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.84	0.7												
	ΔT	24.84	23.04	19.68	16.2	24.79	22.99	19.63	16.1	25.04	23.24	19.88	16.4	24.77	22.97	19.61	16.1	24.53	22.73	19.37	15.9	25.66	23.86	20.50	17.0												
	kW	2.72	2.72	2.71	2.7	3.06	3.05	3.05	3.1	3.43	3.43	3.42	3.4	3.84	3.83	3.83	3.9	4.29	4.29	4.28	4.3	4.82	4.82	4.81	4.8												
	Amps	10.80	10.79	10.76	10.9	12.34	12.33	12.30	12.4	14.06	14.04	14.02	14.1	15.91	15.90	15.87	16.0	17.99	17.98	17.95	18.1	20.42	20.41	20.38	20.5												
	Hi PR	280	281	283	288	323	324	326	331	368	369	371	376	417	418	420	425	469	470	472	477	525	526	528	533												
Lo PR	134	135	138	144	141	143	146	152	148	150	153	158	154	156	159	164	160	161	164	170	167	168	171	177													
85	MBh	42.2	42.7	43.9	45.8	41.8	42.4	43.6	45.4	40.7	41.3	42.5	44.4	38.9	39.5	40.7	42.5	36.7	37.2	38.5	40.3	34.6	35.2	36.4	38.3												
	S/T	1.00	0.96	0.82	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.90	0.8	1.00	1.00	0.90	0.8												
	ΔT	29.86	28.06	24.70	21.2	29.81	28.01	24.65	21.2	30.06	28.26	24.90	21.4	29.79	27.99	24.63	21.1	29.55	27.75	24.39	20.9	30.68	28.88	25.52	22.0												
	kW	2.70	2.70	2.69	2.7	3.04	3.04	3.03	3.1	3.41	3.41	3.40	3.4	3.82	3.82	3.81	3.8	4.27	4.27	4.26	4.3	4.80	4.80	4.80	4.8												
	Amps	10.72	10.71	10.68	10.8	12.26	12.25	12.22	12.3	13.98	13.96	13.94	14.1	15.83	15.82	15.80	15.9	17.91	17.90	17.87	18.0	20.34	20.33	20.31	20.4												
	Hi PR	277	279	281	285	321	322	324	328	366	367	369	374	414	415	417	422	467	468	470	475	523	524	526	531												
Lo PR	132	133	137	142	140	141	144	150	146	148	151	157	152	154	157	162	158	159	163	168	165	166	170	175													
1300	MBh	42.5	43.1	44.3	46.2	42.2	42.7	44.0	45.8	41.1	41.7	42.9	44.8	39.3	39.9	41.1	42.9	37.0	37.6	38.8	40.7	35.0	35.6	36.8	38.6												
	S/T	1.00	0.99	0.85	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.90	0.8	1.00	1.00	0.92	0.8	1.00	1.00	0.92	0.8												
	ΔT	29.28	27.48	24.12	20.6	29.23	27.43	24.07	20.6	29.48	27.68	24.32	20.8	29.21	27.41	24.05	20.6	28.97	27.17	23.81	20.3	30.10	28.30	24.94	21.5												
	kW	2.71	2.71	2.70	2.7	3.05	3.04	3.04	3.1	3.42	3.42	3.41	3.4	3.83	3.83	3.82	3.8	4.28	4.28	4.27	4.3	4.81	4.81	4.81	4.8												
	Amps	10.76	10.75	10.73	10.8	12.30	12.29	12.26	12.4	14.02	14.01	13.98	14.1	15.88	15.86	15.84	16.0	17.95	17.94	17.91	18.0	20.39	20.37	20.35	20.5												
	Hi PR	279	280	282	287	322	323	325	330	367	368	370	375	416	417	419	424	468	469	471	476	524	525	527	532												
Lo PR	133	135	138	143	141	142	146	151	147	149	153	158	153	155	158	164	159	161	164	169	166	168	171	176													
1400	MBh	43.3	43.9	45.1	47.0	42.9	43.5	44.7	46.6	41.9	42.5	43.7	45.5	40.1	40.6	41.8	43.7	37.8	38.4	39.6	41.5	35.8	36.4	37.6	39.4												
	S/T	1.00	1.00	0.87	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.90	0.8	1.00	1.00	0.92	0.8	1.00	1.00	0.94	0.8	1.00	1.00	0.94	0.8												
	ΔT	28.37	26.57	23.21	19.7	28.32	26.52	23.16	19.7	28.58	26.78	23.41	19.9	28.31	26.50	23.14	19.7	28.06	26.26	22.90	19.4	29.19	27.39	24.03	20.5												
	kW	2.73	2.72	2.72	2.7	3.06	3.06	3.05	3.1	3.44	3.43	3.43	3.5	3.84	3.84	3.83	3.9	4.30	4.29	4.29	4.3	4.83	4.83	4.82	4.8												
	Amps	10.83	10.82	10.79	10.9	12.37	12.36	12.33	12.4	14.08	14.07	14.05	14.2	15.94	15.93	15.90	16.0	18.02	18.01	17.98	18.1	20.45	20.44	20.41	20.5												
	Hi PR	281	282	284	289	324	326	327	332	370	371	373	377	418	419	421	426	471	472	474	478	526	528	530	534												
Lo PR	136	137	140	146	143	145	148	154	150	152	155	160	156	157	161	166	162	163	166	172	169	170	173	179													

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI (TVA) conditions
 kW = Total system power
 Amps = outdoor unit amps (comp.-fan)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																									
		65°F							75°F							85°F							95°F							105°F							115°F						
		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	1400	MBh	45.8	46.4	47.8	-	45.4	46.0	47.4	-	44.2	44.8	46.2	-	42.1	42.8	44.1	-	39.6	40.3	41.6	-	37.3	38.0	39.3	-																	
		S/T	0.62	0.55	0.41	-	0.63	0.55	0.41	-	0.66	0.58	0.44	-	1.00	0.60	0.46	-	1.00	0.62	0.48	-	1.00	0.67	0.53	-																	
		ΔT	19.93	18.09	14.65	-	19.88	18.04	14.60	-	20.14	18.30	14.86	-	19.86	18.02	14.58	-	19.62	17.77	14.33	-	20.77	18.93	15.48	-																	
		KW	3.03	3.03	3.02	-	3.40	3.40	3.39	-	3.82	3.82	3.81	-	4.27	4.27	4.26	-	4.77	4.77	4.76	-	5.36	5.36	5.35	-																	
		Amps	11.62	11.61	11.58	-	13.33	13.32	13.29	-	15.23	15.22	15.19	-	17.29	17.28	17.25	-	19.59	19.58	19.55	-	22.29	22.28	22.25	-																	
	Hi PR	285	286	288	-	329	331	333	-	377	378	380	-	427	428	430	-	482	483	485	-	540	541	543	-																		
	Lo PR	127	128	131	-	134	136	139	-	141	143	146	-	147	148	151	-	152	154	157	-	159	161	164	-																		
	MBh	46.4	47.0	48.4	-	46.0	46.6	48.0	-	44.8	45.4	46.8	-	42.7	43.4	44.7	-	40.2	40.9	42.2	-	37.9	38.6	39.9	-																		
	S/T	0.69	0.61	0.47	-	0.69	0.61	0.47	-	0.72	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.74	0.60	-																		
	ΔT	18.82	16.97	13.53	-	18.77	16.92	13.48	-	19.03	17.18	13.74	-	18.75	16.91	13.46	-	18.50	16.66	13.22	-	19.66	17.81	14.37	-																		
KW	3.05	3.05	3.04	-	3.42	3.42	3.41	-	3.84	3.84	3.83	-	4.29	4.29	4.28	-	4.79	4.79	4.78	-	5.38	5.38	5.37	-																			
Amps	11.71	11.70	11.67	-	13.42	13.40	13.38	-	15.32	15.31	15.28	-	17.38	17.37	17.34	-	19.68	19.67	19.64	-	22.38	22.37	22.34	-																			
Hi PR	287	288	290	-	332	333	335	-	379	380	382	-	430	431	433	-	484	485	487	-	543	544	546	-																			
Lo PR	128	130	133	-	136	138	141	-	143	144	148	-	149	150	153	-	154	156	159	-	161	163	166	-																			
MBh	47.1	47.8	49.1	-	46.7	47.3	48.7	-	45.5	46.1	47.5	-	43.4	44.1	45.5	-	40.9	41.6	42.9	-	38.6	39.3	40.6	-																			
S/T	0.72	0.64	0.50	-	0.73	0.65	0.51	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.72	0.58	-	1.00	1.00	0.63	-																			
ΔT	17.88	16.04	12.60	-	17.83	15.99	12.54	-	18.09	16.25	12.80	-	17.81	15.97	12.53	-	17.56	15.72	12.28	-	18.72	16.88	13.43	-																			
KW	3.07	3.06	3.06	-	3.44	3.44	3.43	-	3.85	3.85	3.85	-	4.30	4.30	4.30	-	4.81	4.80	4.80	-	5.40	5.39	5.39	-																			
Amps	11.79	11.77	11.74	-	13.49	13.48	13.45	-	15.40	15.38	15.35	-	17.45	17.44	17.41	-	19.76	19.74	19.71	-	22.46	22.44	22.41	-																			
Hi PR	289	291	293	-	334	335	337	-	381	383	385	-	432	433	435	-	487	488	490	-	545	546	548	-																			
Lo PR	130	132	135	-	138	140	143	-	145	146	150	-	151	152	155	-	156	158	161	-	163	165	168	-																			
75	1400	MBh	45.8	46.5	47.8	49.9	45.4	46.0	47.4	49.5	44.2	44.9	46.2	48.3	42.1	42.8	44.2	46.3	39.6	40.3	41.6	43.7	37.3	38.0	39.4	41.4																	
		S/T	0.76	0.68	0.54	0.4	1.00	0.69	0.55	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.59	0.4	1.00	0.75	0.61	0.5	1.00	1.00	0.67	0.5																	
		ΔT	23.98	22.14	18.70	15.1	23.93	22.09	18.65	15.1	24.19	22.35	18.91	15.3	23.91	22.07	18.63	15.1	23.67	21.83	18.38	14.8	24.82	22.98	19.54	16.0																	
		KW	3.03	3.03	3.02	3.0	3.40	3.40	3.39	3.4	3.82	3.81	3.81	3.8	4.27	4.26	4.26	4.3	4.77	4.77	4.76	4.8	5.36	5.36	5.35	5.4																	
		Amps	11.61	11.60	11.57	11.7	13.32	13.31	13.28	13.4	15.22	15.21	15.18	15.3	17.28	17.27	17.24	17.4	19.58	19.57	19.54	19.7	22.28	22.27	22.24	22.4																	
	Hi PR	285	286	288	293	330	331	333	338	377	378	380	385	427	429	431	436	482	483	485	490	540	542	544	549																		
	Lo PR	127	128	131	137	134	136	139	144	141	143	146	151	147	148	151	157	152	154	157	162	159	161	164	169																		
	MBh	46.4	47.1	48.4	50.5	46.0	46.6	48.0	50.1	44.8	45.5	46.8	48.9	42.7	43.4	44.8	46.9	40.2	40.9	42.2	44.3	37.9	38.6	40.0	42.0																		
	S/T	0.82	0.74	0.60	0.5	1.00	0.75	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.68	0.5	1.00	1.00	0.73	0.6																		
	ΔT	22.87	21.03	17.59	14.0	22.82	20.98	17.54	14.0	23.08	21.24	17.79	14.2	22.80	20.96	17.52	14.0	22.55	20.71	17.27	13.7	23.71	21.87	18.42	14.9																		
KW	3.05	3.05	3.04	3.1	3.42	3.42	3.41	3.4	3.84	3.83	3.83	3.9	4.29	4.28	4.28	4.3	4.79	4.79	4.78	4.8	5.38	5.38	5.37	5.4																			
Amps	11.70	11.69	11.66	11.8	13.41	13.39	13.36	13.5	15.31	15.30	15.27	15.4	17.37	17.36	17.33	17.5	19.67	19.66	19.63	19.8	22.37	22.36	22.33	22.5																			
Hi PR	287	288	290	295	332	333	335	340	379	380	382	387	430	431	433	438	484	486	488	493	543	544	546	551																			
Lo PR	128	130	133	139	136	138	141	146	143	144	148	153	149	150	153	159	154	156	159	164	161	163	166	171																			
MBh	47.1	47.8	49.1	51.2	46.7	47.4	48.7	50.8	45.5	46.2	47.5	49.6	43.5	44.1	45.5	47.6	41.0	41.6	43.0	45.1	38.7	39.3	40.7	42.8																			
S/T	0.85	0.78	0.64	0.5	1.00	0.78	0.64	0.5	1.00	0.81	0.67	0.5	1.00	0.83	0.69	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.76	0.6																			
ΔT	21.93	20.09	16.65	13.1	21.88	20.04	16.60	13.0	22.14	20.30	16.86	13.3	21.86	20.02	16.58	13.0	21.62	19.77	16.33	12.8	22.77	20.93	17.49	13.9																			
KW	3.06	3.06	3.05	3.1	3.44	3.43	3.43	3.5	3.85	3.85	3.84	3.9	4.30	4.30	4.29	4.3	4.81	4.80	4.80	4.8	5.40	5.39	5.39	5.4																			
Amps	11.78	11.76	11.73	11.9	13.48	13.47	13.44	13.6	15.38	15.37	15.34	15.5	17.44	17.43	17.40	17.5	19.74	19.73	19.70	19.8	22.44	22.43	22.40	22.5																			
Hi PR	290	291	293	298	335	336	338	343	382	383	385	390	432	433	435	440	487	488	490	495	545	546	548	553																			
Lo PR	130	132	135	141	138	140	143	148	145	146	150	155	151	152	155	161	156	158	161	166	163	165	168	173																			

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions.
 kW = Total system power
 Amps = outdoor unit amps (comp.+fan)

GPCM32441**

SETUP	MOTOR TAP	VOLTS	STATIC								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
HORIZONTAL POSITION	T1	230	CFM	580	505	445	390	320	-	-	-
			Watts	36	46	54	60	65	-	-	-
	T2/T3	230	CFM	1133	1081	1026	970	911	839	748	679
			Watts	146	154	161	168	176	185	192	197
	T4/T5	230	CFM	1230	1190	1140	1095	1040	990	920	850
			Watts	202	212	220	233	235	243	249	262
DOWNSHOT POSITION	T1	230	CFM	545	475	418	367	301	-	-	-
			Watts	37	47	55	62	67	-	-	-
	T2/T3	230	CFM	1065	1016	964	912	856	788	703	638
			Watts	150	158	165	172	181	189	197	202
	T4/T5	230	CFM	1156	1119	1072	1029	978	931	865	799
			Watts	207	217	226	239	241	249	255	269

GPBM33041**

SETUP	MOTOR TAP	VOLTS	STATIC								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
HORIZONTAL POSITION	T1	230	CFM	-	550	475	415	340	270	-	-
			Watts	-	50	59	66	74	77	-	-
	T2/T3	230	CFM	1271	1222	1176	1129	1081	1026	962	889
			Watts	202	210	219	227	234	242	250	257
	T4/T5	230	CFM	1345	1305	1260	1220	1180	1125	1080	975
			Watts	258	273	272	283	292	298	306	310
DOWNSHOT POSITION	T1	230	CFM	-	517	447	390	320	254	-	-
			Watts	-	51	60	68	76	79	-	-
	T2/T3	230	CFM	1195	1148	1106	1061	1016	964	905	836
			Watts	207	215	224	233	240	248	256	264
	T4/T5	230	CFM	1264	1227	1184	1147	1109	1058	1015	917
			Watts	264	280	279	290	299	305	314	318

GPCM33641**

SETUP	MOTOR TAP	VOLTS	STATIC								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
HORIZONTAL POSITION	T1	230	CFM	1070	1030	980	935	870	775	720	665
			Watts	145	161	165	173	181	190	198	202
	T2/T3	230	CFM	1468	1427	1385	1337	1293	1243	1189	1137
			Watts	288	296	304	310	318	325	333	340
	T4/T5	230	CFM	1505	1465	1420	1385	1335	1300	1250	1205
			Watts	359	371	384	383	393	398	406	416
DOWNSHOT POSITION	T1	230	CFM	1006	968	921	879	818	729	677	625
			Watts	149	165	169	177	186	195	203	207
	T2/T3	230	CFM	1380	1342	1302	1257	1215	1168	1118	1068
			Watts	295	304	312	318	326	333	341	348
	T4/T5	230	CFM	1415	1377	1335	1302	1255	1222	1175	1133
			Watts	368	380	394	393	403	408	416	426

GPCM34241**

SETUP	MOTOR TAP	VOLTS	STATIC								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
HORIZONTAL POSITION	T1	230	CFM	1035	995	945	895	845	790	695	630
			Watts	132	144	152	157	168	176	183	189
	T2/T3	230	CFM	1575	1526	1481	1438	1393	1352	1306	1253
			Watts	301	310	321	332	342	350	361	369
	T4/T5	230	CFM	1698	1654	1604	1558	1513	1467	1421	1370
			Watts	370	381	386	396	405	413	421	429
DOWNSHOT POSITION	T1	230	CFM	973	935	888	841	794	743	653	592
			Watts	135	148	156	161	172	180	188	194
	T2/T3	230	CFM	1480	1434	1392	1351	1310	1271	1228	1178
			Watts	309	318	329	340	350	359	370	378
	T4/T5	230	CFM	1596	1554	1508	1465	1423	1379	1336	1288
			Watts	379	390	395	406	415	424	432	439

GPCM34841**

SETUP	MOTOR TAP	VOLTS	STATIC								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
HORIZONTAL POSITION	T1	230	CFM	1355	1300	1250	1210	1155	1110	1045	965
			Watts	212	228	230	246	248	261	273	282
	T2/T3	230	CFM	1844	1803	1763	1725	1682	1639	1593	1546
			Watts	438	447	457	468	477	484	491	498
	T4/T5	230	CFM	1895	1855	1805	1770	1730	1685	1640	1600
			Watts	558	558	578	584	590	594	602	612
DOWNSHOT POSITION	T1	230	CFM	1274	1222	1175	1137	1086	1043	982	907
			Watts	217	234	236	252	254	268	280	289
	T2/T3	230	CFM	1733	1695	1658	1622	1581	1541	1497	1453
			Watts	449	459	469	480	489	497	504	510
	T4/T5	230	CFM	1781	1744	1697	1664	1626	1584	1542	1504
			Watts	572	572	592	599	605	609	617	627

GPCM36041**

SETUP	MOTOR TAP	VOLTS	STATIC								
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
HORIZONTAL POSITION	T1	230	CFM	1360	1300	1260	1215	1175	1125	1085	1030
			Watts	213	221	233	244	255	264	273	293
	T2/T3	230	CFM	1959	1920	1884	1847	1806	1768	1724	1680
			Watts	515	526	541	554	564	572	581	589
	T4/T5	230	CFM	2000	1960	1925	1875	1835	1800	1760	1725
			Watts	642	651	660	651	672	683	691	699
DOWNSHOT POSITION	T1	230	CFM	1278	1222	1184	1142	1105	1058	1020	968
			Watts	218	227	239	250	261	271	280	300
	T2/T3	230	CFM	1841	1805	1771	1736	1698	1661	1620	1579
			Watts	528	539	554	568	578	587	596	603
	T4/T5	230	CFM	1880	1842	1810	1763	1725	1692	1654	1622
			Watts	658	667	677	667	689	700	708	716

NOTES:

1. Data shown is dry coil. Wet coil pressure drop is approximately 0.2" H₂O, for three-row indoor coil; and 0.3" H₂O, for four-row indoor coil.
2. Data shown does not include filter pressure drop, approx. 0.08" H₂O.
3. Reduce airflow by 2% for 208V operation.
4. ALL MODELS SHOULD RUN NO LESS THAN 300 CFM/TON.
5. For high static applications, see blower performance table for selecting appropriate speed tap.

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	
GPCM32441**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	25	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
GPCM33041**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	29.6	35	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 41.3	40 / 45	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 54.4	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	66 / 79.1	70 / 80	14.25 / 48,600
GPCM33641**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	25	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	66 / 76	70 / 80	14.25 / 48,600
GPCM34241**	1.9	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	25	40	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	34 / 39	40 / 40	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	45 / 52	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	66 / 76	70 / 80	14.25 / 48,600
GPCM34841**	7.3	---	---	---	--	--	---
HKP-05C*	21 / 25	25 / 25	---	---	32	50	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	38 / 40	50	7.0 / 23,800
HKP-10C*	43 / 49	45 / 50	---	---	49 / 56	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	70 / 80	80 / 90	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	92 / 105	100 / 110	19.0 / 64,800
GPCM36041**	9.5	---	---	---	--	--	---
HKR-05*, HKP-05C*	21 / 25	25 / 25	---	---	42	60	4.75 / 16,200
HKR-08*, HKR-08C*	32 / 36	35 / 40	---	---	42	60	7.0 / 23,800
HKR-10*, HKP-10C*	43 / 49	45 / 50	---	---	51 / 58	60 / 60	9.5 / 32,400
HKP-15C*	43 / 49	45 / 50	21 / 25	25 / 25	72 / 82	80 / 90	14.25 / 48,600
HKP-20C	43 / 49	45 / 50	43 / 49	45 / 50	93 / 107	100 / 110	19.0 / 64,800

Heating kW Correction Factor					
Supply Voltage	240	230	220	210	208
Correction Factor	1.0	0.93	0.85	0.78	0.76
Multiply rated kW by correction factor to get actual kW					

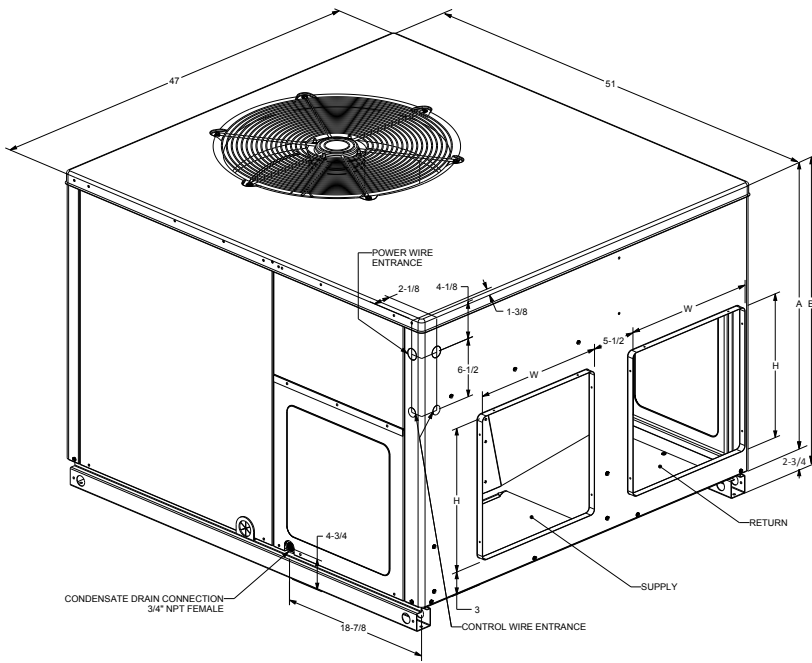
¹ Minimum Circuit Ampacity @ 208 / 240 V

² Maximum Overcurrent Protection Device @ 208 / 240 V

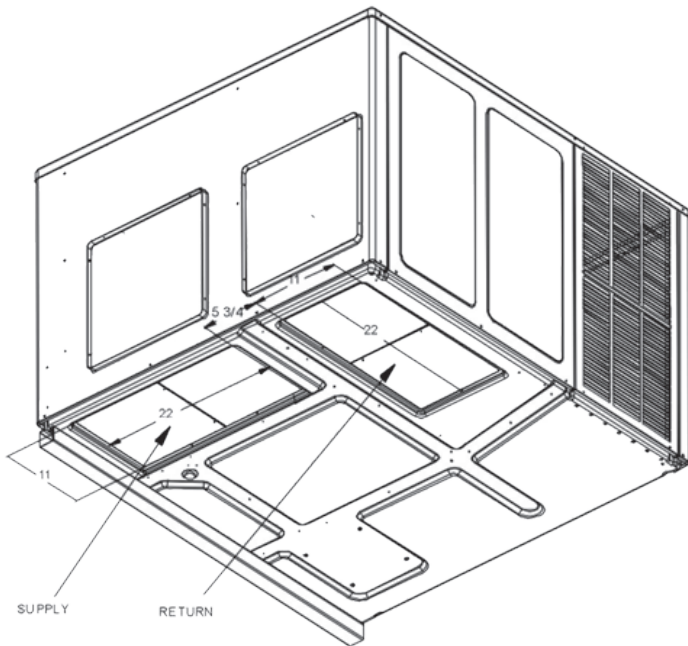
* Revision level that may or may not be designated

C Circuit breaker option

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

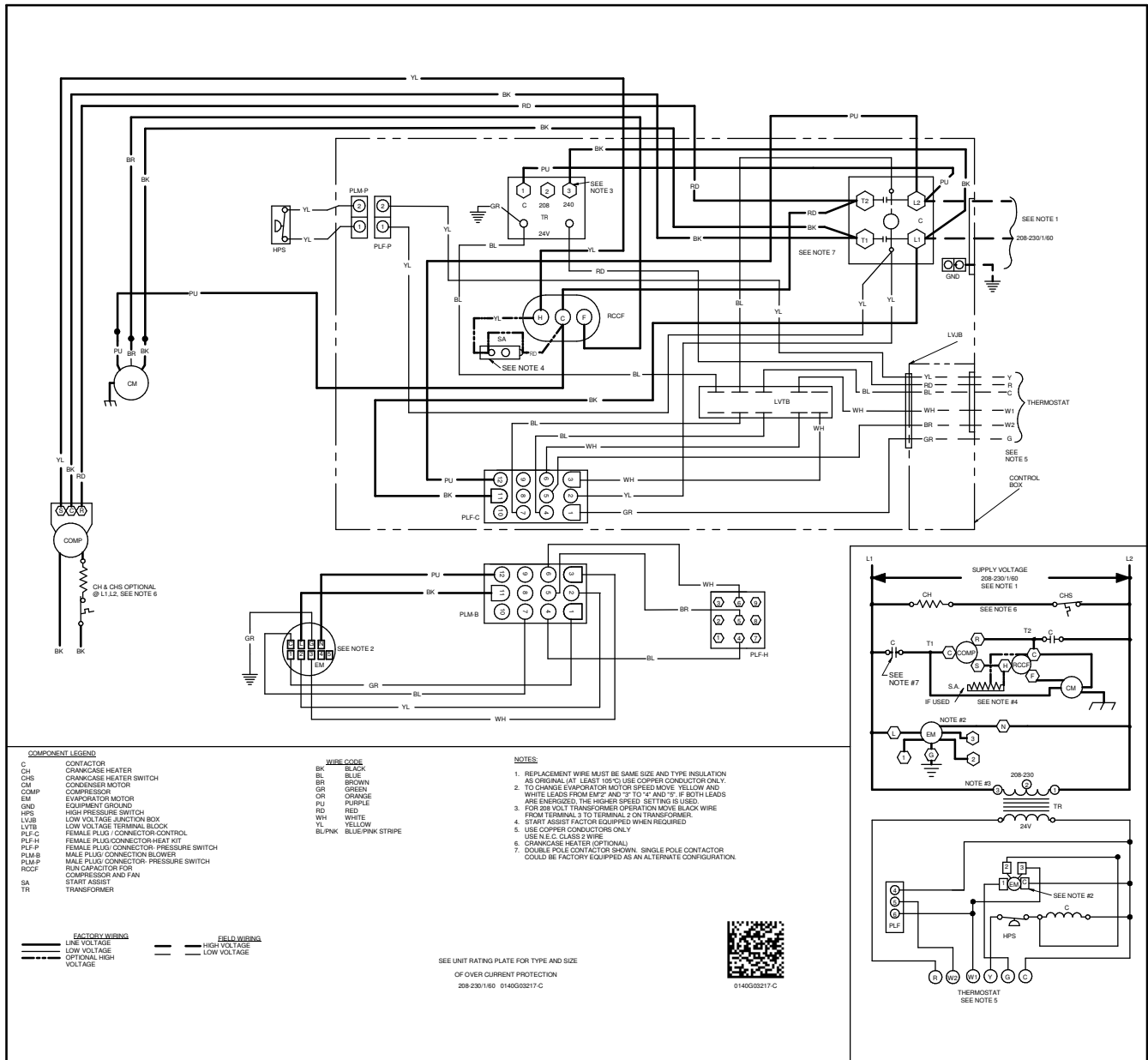


MODEL	UNIT DIMENSIONS (INCHES)				CHASSIS SIZE
			HEIGHT		
	W	D	A	B	
GPCM32441**	47	51	32	34 3/4	Medium
GPCM33041**	47	51	32	34 3/4	Medium
GPCM33641**	47	51	32	34 3/4	Medium
GPCM34241**	47	51	40	42 3/4	Large
GPCM34841**	47	51	40	42 3/4	Large
GPCM36041**	47	51	40	42 3/4	Large



MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPCM32441**	16	16	16	16
GPCM33041**	16	16	16	16
GPCM33641**	16	16	16	16
GPCM34241**	16	18	16	18
GPCM34841**	16	18	16	18
GPCM36041**	16	18	16	18

WIRING DIAGRAM



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

	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.	
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ACCESSORY DESCRIPTION	ITEM NUMBER	
	MEDICUM CHASSIS	LARGE CHASSIS
Concentric Kit	CDK36	CDK4872
Downflow Economizer	GPJMED102	GPJMED103
Downflow Internal Filter Rack	DDNIFRPCHMM	DDNIFRPCHML
Downflow Manual Damper	PGMDD101/102	PGMDD103
Downflow Motorized Damper	PGMDMD101/102	PGMDMD103
Downflow Square to Round	SQRPG101/102	SQRPG103
Economizer Wiring Harness	0259G00213	0259G00213
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPGCHM	DHZECNJPGCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

SINGLE-POINT KIT ACCESSORY KITS

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

MODEL	SINGLE-POINT KIT
GPCM32441**	SPK-35
GPCM33041**	SPK-35
GPCM33641**	SPK-40
GPCM34241**	SPK-40
GPCM34841**	SPK-50
GPCM36041**	SPK-60

Our continuing commitment to quality products may mean a change in specifications without notice.

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