

PACKAGED AIR CONDITIONER

13.4 SEER2

2 TO 5 TONS



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R32

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; UL Listed

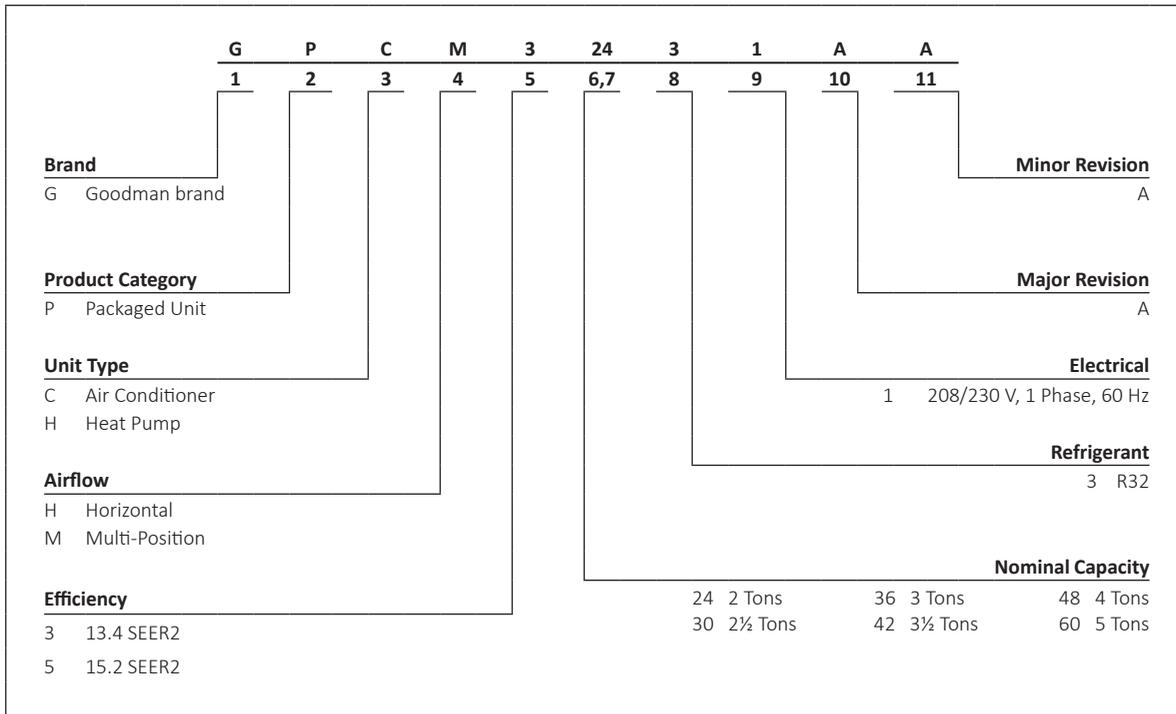
Cabinet Features

- 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 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available)



* Complete warranty available from your local dealer or at www.franklinhvacsyste.ms.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, Florida, or Québec. The duration of warranty coverages in Texas and Florida differs in some cases. Other limitations and exclusions apply, refer to complete warranty details for full list of limitations and exclusions.

NOMENCLATURE



	GPCM3 2431	GPCM3 3031	GPCM3 3631	GPCM3 4231	GPCM3 4831	GPCM3 6031
COOLING CAPACITY						
Total BTU/h	24,000	29,400	34,200	38,500	45,000	55,000
Sensible BTU/h	18,480	22,930	25,990	30,030	35,100	40,150
SEER2	13.4	13.4	13.4	13.4	13.4	13.4
EER2	10.6	10.6	10.6	10.6	10.6	10.6
EVAPORATOR FAN / COIL						
Type	ECM	ECM	ECM	ECM	ECM	ECM
Wheel (D x W)	10 x 9					
Indoor Nominal CFM	800	1050	1150	1300	1525	1700
No. of Speeds	5	5	5	5	5	5
Indoor Blower FLA	3.8	3.8	5.4	5.4	5.4	7.0
HORSEPOWER	1/2	1/2	3/4	3/4	3/4	1
Face Area (ft ²)	5.26	5.26	6.23	6.23	6.23	7.01
Rows Deep / Fins per Inch	3/14	3/14	4/14	4/14	4/14	4/14
Metering Device Type	Piston	Piston	Piston	Piston	Piston	TXV
Drain Size (NPT)	¾"	¾"	¾"	¾"	¾"	¾"
Refrigerant Charge (oz.)	63	56	78	78	83	143
Condenser Fan / Coil						
OUTDOOR FAN FLA	0.95	1.4	1.4	1.4	1.4	2.0
Horsepower	1/6	0.25	0.25	0.25	0.25	0.33
Blade Diameter	22	22	22	22	22	22
Face Area (ft ²)	13.37	13.37	17.02	17.02	17.02	18.85
ROWS DEEP / FINS PER INCH	1/24	1/24	1/24	1/24	2/16	2/20
Compressor						
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
STAGE	Single	Single	Single	Single	Single	Single
RLA	10.6	12.8	16.4	14.4	19.4	23.9
LRA	56.5	76.0	88.0	112	128	148
Electrical Data						
PHASE	1	1	1	1	1	1
Voltage (Frequency 60 Hz)	208-230	208-230	208-230	208-230	208-230	208-230
MIN. CIRCUIT AMPACITY	18.0	21.2	27.4	24.8	31.0	38.8
Max. Overcurrent Protection	25	30	40	35	50	60
Decibels	74	74	79	78	78	79
Operating/Shipping Weights (lbs)	310/320	335/345	355/365	425/435	425/435	448/458

NOTES:

Always check the S&R plate for electrical data on the unit being installed.
 Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.
 Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

EXPANDED COOLING DATA — GPCM32431

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	
70	600	MBh	24.1	24.5	25.2	-	23.9	24.3	25.0	-	23.3	23.6	24.4	-	22.2	22.5	23.3	-	20.9	21.2	21.9	-	19.6	20.0	20.7	-
		S/T	0.52	0.44	0.31	-	0.53	0.45	0.31	-	0.55	0.47	0.34	-	1.00	0.49	0.36	-	1.00	0.52	0.38	-	1.00	0.57	0.43	-
		ΔT	20.14	18.40	15.15	-	20.10	18.36	15.11	-	20.34	18.60	15.35	-	20.08	18.34	15.09	-	19.85	18.10	14.86	-	20.93	19.19	15.94	-
		kW	1.59	1.59	1.59	-	1.79	1.79	1.79	-	2.02	2.02	2.01	-	2.26	2.26	2.26	-	2.54	2.54	2.53	-	2.86	2.86	2.85	-
		Amps	6.05	6.05	6.03	-	6.94	6.93	6.91	-	7.92	7.91	7.90	-	8.98	8.98	8.96	-	10.17	10.16	10.15	-	11.57	11.56	11.54	-
	800	Hi PR	259	260	262	-	300	301	303	-	343	344	346	-	389	390	392	-	439	441	442	-	493	494	496	-
		Lo PR	124	125	129	-	131	133	136	-	138	140	143	-	144	145	149	-	149	151	154	-	156	158	161	-
		MBh	24.7	25.1	25.8	-	24.5	24.9	25.6	-	23.9	24.2	25.0	-	22.8	23.1	23.9	-	21.4	21.8	22.5	-	20.2	20.6	21.3	-
		S/T	0.68	0.60	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.59	-
		ΔT	17.77	16.03	12.78	-	17.72	15.98	12.73	-	17.96	16.22	12.97	-	17.70	15.96	12.71	-	17.47	15.73	12.48	-	18.56	16.82	13.57	-
1000	kW	1.61	1.61	1.61	-	1.82	1.82	1.81	-	2.04	2.04	2.04	-	2.29	2.29	2.28	-	2.56	2.56	2.56	-	2.88	2.88	2.88	-	
	Amps	6.16	6.15	6.14	-	7.04	7.03	7.02	-	8.02	8.02	8.00	-	9.09	9.08	9.06	-	10.27	10.27	10.25	-	11.67	11.66	11.65	-	
	Hi PR	263	264	266	-	304	306	307	-	348	349	351	-	394	395	397	-	444	445	447	-	498	499	501	-	
	Lo PR	127	129	132	-	135	137	140	-	142	143	147	-	147	149	152	-	153	155	158	-	160	161	165	-	
	MBh	25.6	25.9	26.7	-	25.4	25.7	26.4	-	24.7	25.1	25.8	-	23.6	24.0	24.7	-	22.3	22.6	23.4	-	21.1	21.4	22.1	-	

75	600	MBh	24.2	24.5	25.2	26.3	23.9	24.3	25.0	26.1	23.3	23.6	24.4	25.5	22.2	22.6	23.3	24.4	20.9	21.2	21.9	23.1	19.6	20.0	20.7	21.8
		S/T	0.65	0.57	0.44	0.3	0.66	0.58	0.44	0.3	0.66	0.61	0.47	0.3	1.00	0.63	0.49	0.3	1.00	0.65	0.51	0.4	1.00	1.00	0.56	0.4
		ΔT	23.97	22.23	18.98	15.6	23.92	22.18	18.93	15.6	24.17	22.43	19.18	15.8	23.90	22.16	18.91	15.5	23.67	21.93	18.68	15.3	24.76	23.02	19.77	16.4
		kW	1.59	1.59	1.58	1.6	1.79	1.79	1.79	1.8	2.02	2.02	2.01	2.0	2.26	2.26	2.26	2.3	2.54	2.53	2.53	2.5	2.86	2.86	2.85	2.9
		Amps	6.05	6.04	6.03	6.1	6.93	6.92	6.91	7.0	7.91	7.91	7.89	8.0	8.98	8.97	8.95	9.0	10.17	10.16	10.14	10.2	11.56	11.55	11.54	11.6
	800	Hi PR	259	260	262	266.3	300	301	303	307.5	343	344	346	350.6	390	391	393	397.1	440	441	443	447.2	493	494	496	500.6
		Lo PR	124	125	129	134.0	132	133	136	141.6	138	140	143	148.3	144	145	149	154.0	149	151	154	159.5	156	158	161	166.5
		MBh	24.8	25.1	25.8	26.9	24.5	24.9	25.6	26.7	23.9	24.2	25.0	26.1	22.8	23.1	23.9	25.0	21.5	21.8	22.5	23.6	20.2	20.6	21.3	22.4
		S/T	0.81	0.73	0.59	0.4	1.00	0.74	0.60	0.5	1.00	0.76	0.62	0.5	1.00	0.78	0.64	0.5	1.00	0.80	0.67	0.5	1.00	1.00	0.72	0.6
		ΔT	21.59	19.85	16.60	13.2	21.55	19.81	16.56	13.2	21.79	20.05	16.80	13.4	21.53	19.79	16.54	13.2	21.30	19.56	16.31	12.9	22.39	20.65	17.40	14.0
1000	kW	1.61	1.61	1.61	1.6	1.82	1.81	1.81	1.8	2.04	2.04	2.04	2.1	2.29	2.28	2.28	2.3	2.56	2.56	2.55	2.6	2.88	2.88	2.88	2.9	
	Amps	6.15	6.15	6.13	6.2	7.03	7.03	7.01	7.1	8.02	8.01	7.99	8.1	9.08	9.07	9.06	9.1	10.27	10.26	10.25	10.3	11.66	11.66	11.64	11.7	
	Hi PR	263	265	266	271.0	305	306	308	312.2	348	349	351	355.3	394	395	397	401.8	444	445	447	451.9	498	499	501	505.3	
	Lo PR	127	129	132	137.6	135	137	140	145.2	142	143	147	151.9	147	149	152	157.6	153	155	158	163.1	160	162	165	170.1	
	MBh	25.6	25.9	26.7	27.8	25.4	25.7	26.5	27.6	24.7	25.1	25.8	26.9	23.6	24.0	24.7	25.8	22.3	22.7	23.4	24.5	21.1	21.4	22.2	23.3	

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)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												105°F												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	24.3	24.6	25.4	26.5	24.1	24.4	25.1	26.3	23.4	23.8	24.5	25.6	22.3	22.7	23.4	24.5	21.0	21.3	22.1	23.2	19.8	20.1	20.8	22.0												
	S/T	1.00	0.70	0.56	0.4	1.00	0.71	0.57	0.4	1.00	0.73	0.60	0.5	1.00	1.00	0.62	0.5	1.00	1.00	0.64	0.5	1.00	1.00	0.69	0.5												
	ΔT	27.82	26.08	22.83	19.5	27.77	26.03	22.78	19.4	28.02	26.28	23.03	19.7	27.76	26.02	22.77	19.4	27.52	25.78	22.53	19.2	28.61	26.87	23.62	20.3												
	kW	1.59	1.59	1.59	1.6	1.79	1.79	1.79	1.8	2.02	2.02	2.01	2.0	2.26	2.26	2.26	2.3	2.54	2.54	2.53	2.5	2.86	2.86	2.85	2.9												
	Amps	6.05	6.05	6.03	6.1	6.93	6.93	6.91	7.0	7.92	7.91	7.90	8.0	8.98	8.97	8.96	9.0	10.17	10.16	10.15	10.2	11.56	11.56	11.54	11.6												
	Hi PR	259	260	262	266.8	300	302	303	307.9	344	345	347	351.1	390	391	393	397.6	440	441	443	447.6	494	495	497	501.1												
	Lo PR	124	126	129	134.5	132	134	137	142.2	139	140	143	148.8	144	146	149	154.5	150	152	155	160.1	157	158	162	167.0												
	MBh	24.9	25.2	26.0	27.1	24.7	25.0	25.7	26.8	24.0	24.4	25.1	26.2	22.9	23.3	24.0	25.1	21.6	21.9	22.7	23.8	20.4	20.7	21.4	22.5												
	S/T	1.00	0.86	0.72	0.6	1.00	0.86	0.73	0.6	1.00	0.89	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.84	0.7												
	ΔT	25.45	23.71	20.46	17.1	25.40	23.66	20.41	17.0	25.64	23.90	20.65	17.3	25.38	23.64	20.39	17.0	25.15	23.41	20.16	16.8	26.24	24.50	21.25	17.9												
kW	1.61	1.61	1.61	1.6	1.82	1.82	1.81	1.8	2.04	2.04	2.04	2.1	2.29	2.29	2.28	2.3	2.56	2.56	2.56	2.6	2.88	2.88	2.88	2.9													
Amps	6.16	6.15	6.14	6.2	7.04	7.03	7.02	7.1	8.02	8.01	8.00	8.1	9.08	9.08	9.06	9.1	10.27	10.27	10.25	10.3	11.67	11.66	11.65	11.7													
Hi PR	264	265	267	271.4	305	306	308	312.6	348	349	351	355.8	395	396	398	402.2	445	446	448	452.3	498	499	501	505.8													
Lo PR	128	130	133	138.1	136	137	140	145.8	142	144	147	152.5	148	150	153	158.1	154	155	158	163.7	161	162	165	170.6													
MBh	25.7	26.1	26.8	27.9	25.5	25.9	26.6	27.7	24.9	25.2	25.9	27.1	23.8	24.1	24.8	26.0	22.4	22.8	23.5	24.6	21.2	21.6	22.3	23.4													
S/T	1.00	0.90	0.76	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	1.00	0.7													
ΔT	23.78	22.04	18.79	15.4	23.73	21.99	18.74	15.4	23.97	22.23	18.98	15.6	23.71	21.97	18.72	15.4	23.48	21.74	18.49	15.1	24.57	22.83	19.58	16.2													
kW	1.63	1.63	1.63	1.6	1.83	1.83	1.83	1.8	2.06	2.06	2.05	2.1	2.30	2.30	2.30	2.3	2.58	2.58	2.57	2.6	2.90	2.90	2.89	2.9													
Amps	6.23	6.22	6.21	6.3	7.11	7.10	7.09	7.2	8.09	8.09	8.07	8.1	9.16	9.15	9.13	9.2	10.35	10.34	10.32	10.4	11.74	11.73	11.72	11.8													
Hi PR	268	269	271	275.8	309	311	312	317.0	353	354	356	360.1	399	400	402	406.6	449	450	452	456.7	503	504	506	510.1													
Lo PR	132	134	137	142.5	140	142	145	150.1	147	148	151	156.8	152	154	157	162.5	158	159	163	168.0	165	166	170	175.0													

85	MBh	24.7	25.0	25.8	26.9	24.5	24.8	25.6	26.7	23.8	24.2	24.9	26.0	22.7	23.1	23.8	24.9	21.4	21.7	22.5	23.6	20.2	20.5	21.3	22.4
	S/T	1.00	0.80	0.67	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	1.00	0.6
	ΔT	31.24	29.50	26.25	22.9	31.19	29.45	26.20	22.8	31.44	29.70	26.45	23.1	31.17	29.43	26.18	22.8	30.94	29.20	25.95	22.6	32.03	30.29	27.04	23.7
	kW	1.59	1.59	1.59	1.6	1.80	1.80	1.79	1.8	2.02	2.02	2.02	2.0	2.27	2.27	2.26	2.3	2.54	2.54	2.54	2.6	2.86	2.86	2.86	2.9
	Amps	6.07	6.06	6.05	6.1	6.95	6.94	6.93	7.0	7.93	7.93	7.91	8.0	9.00	8.99	8.98	9.0	10.19	10.18	10.16	10.2	11.58	11.57	11.56	11.6
	Hi PR	260	262	263	268.0	302	303	305	309.2	345	346	348	352.3	391	392	394	398.8	441	442	444	448.9	495	496	498	502.3
	Lo PR	126	128	131	136.4	134	135	139	144.0	141	142	145	150.7	146	148	151	156.4	152	153	157	161.9	159	160	164	168.9
	MBh	25.3	25.6	26.4	27.5	25.1	25.4	26.1	27.3	24.4	24.8	25.5	26.6	23.3	23.7	24.4	25.5	22.0	22.3	23.1	24.2	20.8	21.1	21.8	23.0
	S/T	1.00	0.96	0.82	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.88	0.8	1.00	1.00	1.00	0.8
	ΔT	28.86	27.12	23.87	20.5	28.82	27.08	23.83	20.5	29.06	27.32	24.07	20.7	28.80	27.06	23.81	20.4	28.57	26.83	23.58	20.2	29.66	27.91	24.67	21.3
kW	1.62	1.62	1.61	1.6	1.82	1.82	1.82	1.8	2.05	2.05	2.04	2.1	2.29	2.29	2.29	2.3	2.56	2.56	2.56	2.6	2.89	2.88	2.88	2.9	
Amps	6.17	6.17	6.15	6.2	7.05	7.05	7.03	7.1	8.04	8.03	8.02	8.1	9.10	9.09	9.08	9.1	10.29	10.28	10.27	10.3	11.68	11.68	11.66	11.7	
Hi PR	265	266	268	272.7	306	307	309	313.9	349	351	352	357.0	396	397	399	403.5	446	447	449	453.6	500	501	502	507.0	
Lo PR	130	131	135	140.0	138	139	142	147.6	144	146	149	154.3	150	151	155	160.0	155	157	160	165.6	162	164	167	172.5	
MBh	26.1	26.5	27.2	28.3	25.9	26.3	27.0	28.1	25.3	25.6	26.4	27.5	24.2	24.5	25.3	26.4	22.8	23.2	23.9	25.0	21.6	22.0	22.7	23.8	
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	0.90	0.8	1.00	1.00	0.90	0.8	1.00	1.00	1.00	0.8	
ΔT	27.19	25.45	22.20	18.8	27.15	25.41	22.16	18.8	27.39	25.65	22.40	19.0	27.13	25.39	22.14	18.8	26.90	25.16	21.91	18.5	27.99	26.24	23.00	19.6	
kW	1.63	1.63	1.63	1.6	1.84	1.84	1.83	1.8	2.06	2.06	2.06	2.1	2.31	2.31	2.30	2.3	2.58	2.58	2.58	2.6	2.90	2.90	2.90	2.9	
Amps	6.25	6.24	6.22	6.3	7.13	7.12	7.10	7.2	8.11	8.10	8.09	8.2	9.17	9.17	9.15	9.2	10.36	10.36	10.34	10.4	11.76	11.75	11.73	11.8	
Hi PR	270	271	272	277.0	311	312	314	318.2	354	355	357	361.4	400	401	403	407.8	450	452	453	457.9	504	505	507	511.4	
Lo PR	134	136	139	144.4	142	143	147	152.0	149	150	153	158.7	154	156	159	164.4	160	161	165	169.9	167	168	172	176.9	

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

Shaded area reflects AHRI (TVA) conditions

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

EXPANDED COOLING DATA — GPCM33031

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		59	63	67	71	71	71	59	63	67	71	71	71	59	63	67	71	71	71	59	63	67	71	71	71	59	63	67	71	71	71						
70	800	MBh	29.6	30.0	30.9	-	29.3	29.8	30.7	-	28.6	29.0	29.9	-	27.2	27.6	28.5	-	25.6	26.0	26.9	-	24.1	24.5	25.4	-											
		S/T	0.54	0.46	0.32	-	0.54	0.47	0.33	-	0.57	0.49	0.35	-	1.00	0.51	0.37	-	1.00	0.53	0.40	-	1.00	0.59	0.45	-											
		ΔT	19.21	17.54	14.42	-	19.17	17.50	14.37	-	19.40	17.73	14.61	-	19.15	17.48	14.36	-	18.93	17.25	14.13	-	19.97	18.30	15.18	-											
		kW	2.01	2.00	2.00	-	2.24	2.23	2.23	-	2.58	2.49	2.49	-	2.77	2.77	2.77	-	3.09	3.09	3.08	-	3.45	3.45	3.45	-											
		Amps	7.45	7.44	7.42	-	8.46	8.45	8.43	-	9.58	9.57	9.55	-	10.80	10.79	10.77	-	12.15	12.15	12.13	-	13.75	13.74	13.72	-											
	1050	Hi PR	253	254	256	-	294	295	296	-	336	337	339	-	381	382	384	-	430	431	433	-	483	484	486	-											
		Lo PR	124	126	129	-	132	133	136	-	138	140	143	-	144	146	149	-	150	151	154	-	157	158	161	-											
		MBh	30.3	30.7	31.6	-	30.0	30.5	31.4	-	29.3	29.7	30.6	-	27.9	28.3	29.2	-	26.3	26.7	27.6	-	24.8	25.2	26.1	-											
		S/T	0.68	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	0.73	0.59	-											
		ΔT	17.07	15.40	12.27	-	17.02	15.35	12.23	-	17.26	15.58	12.46	-	17.00	15.33	12.21	-	16.78	15.11	11.99	-	17.83	16.16	13.03	-											
1300	kW	2.03	2.03	2.02	-	2.26	2.26	2.26	-	2.52	2.52	2.52	-	2.80	2.80	2.79	-	3.11	3.11	3.11	-	3.48	3.48	3.47	-												
	Amps	7.56	7.55	7.53	-	8.57	8.56	8.54	-	9.69	9.68	9.67	-	10.91	10.90	10.88	-	12.27	12.26	12.24	-	13.86	13.85	13.83	-												
	Hi PR	258	259	261	-	298	299	301	-	340	341	343	-	386	387	389	-	435	436	438	-	487	488	490	-												
	Lo PR	128	129	132	-	135	137	140	-	142	143	147	-	148	149	152	-	153	155	158	-	160	162	165	-												
	MBh	31.3	31.7	32.6	-	31.0	31.4	32.3	-	30.2	30.7	31.6	-	28.9	29.3	30.2	-	27.2	27.7	28.6	-	25.8	26.2	27.1	-												
75	800	S/T	0.73	0.65	0.51	-	0.74	0.66	0.52	-	1.00	0.68	0.55	-	1.00	0.70	0.57	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-											
		ΔT	15.53	13.86	10.74	-	15.49	13.81	10.69	-	15.72	14.05	10.93	-	15.47	13.80	10.68	-	15.25	13.57	10.45	-	16.29	14.62	11.50	-											
		kW	2.05	2.05	2.04	-	2.28	2.28	2.27	-	2.54	2.54	2.53	-	2.82	2.82	2.81	-	3.13	3.13	3.13	-	3.50	3.50	3.49	-											
		Amps	7.64	7.63	7.61	-	8.65	8.64	8.62	-	9.77	9.76	9.74	-	10.99	10.98	10.96	-	12.34	12.34	12.32	-	13.94	13.93	13.91	-											
		Hi PR	262	263	265	-	302	303	305	-	344	345	347	-	390	391	393	-	439	440	442	-	491	492	494	-											
	1050	Lo PR	132	133	136	-	139	141	144	-	146	148	151	-	152	153	156	-	157	159	162	-	164	166	169	-											
		MBh	29.6	30.0	30.9	32.3	29.4	29.8	30.7	32.0	28.6	29.0	29.9	31.3	27.2	27.6	28.5	29.9	25.6	26.0	26.9	28.3	24.1	24.5	25.4	26.8											
		S/T	0.67	0.59	0.45	0.3	0.68	0.60	0.46	0.3	1.00	0.62	0.49	0.3	1.00	0.64	0.51	0.4	1.00	0.67	0.53	0.4	1.00	1.00	0.58	0.6											
		ΔT	22.89	21.22	18.10	14.9	22.84	21.17	18.05	14.8	23.08	21.41	18.28	15.1	22.83	21.15	18.03	14.8	22.60	20.93	17.81	14.6	23.65	21.98	18.86	15.6											
		kW	2.00	2.00	2.00	2.0	2.24	2.23	2.23	2.2	2.49	2.49	2.49	2.5	2.77	2.77	2.77	2.8	3.09	3.08	3.08	3.1	3.45	3.45	3.45	3.5											
1300	Amps	7.44	7.43	7.42	7.5	8.45	8.44	8.42	8.5	9.57	9.56	9.55	9.6	10.79	10.78	10.76	10.8	12.15	12.14	12.12	12.2	13.74	13.73	13.72	13.8												
	Hi PR	254	255	256	260.9	294	295	297	301.2	336	337	339	343.4	382	383	384	388.9	431	432	433	437.9	483	484	486	490.2												
	Lo PR	124	126	129	134.2	132	133	137	141.9	138	140	143	148.6	144	146	149	154.2	150	151	154	159.8	157	158	161	166.7												
	MBh	30.3	30.7	31.6	33.0	30.1	30.5	31.4	32.7	29.3	29.7	30.6	32.0	27.9	28.4	29.2	30.6	26.3	26.7	27.6	29.0	24.8	25.2	26.1	27.5												
	S/T	0.82	0.74	0.60	0.5	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.73	0.6												
75	800	ΔT	20.74	19.07	15.95	12.7	20.70	19.03	15.90	12.7	20.93	19.26	16.14	12.9	20.68	19.01	15.89	12.7	20.46	18.78	15.66	12.4	21.50	19.83	16.71	13.5											
		kW	2.03	2.03	2.02	2.0	2.26	2.26	2.26	2.3	2.52	2.52	2.51	2.5	2.80	2.80	2.79	2.8	3.11	3.11	3.11	3.1	3.48	3.48	3.47	3.5											
		Amps	7.55	7.55	7.53	7.6	8.56	8.55	8.54	8.6	9.68	9.68	9.66	9.7	10.90	10.89	10.88	11.0	12.26	12.25	12.23	12.3	13.85	13.85	13.83	13.9											
		Hi PR	258	259	261	265.2	298	299	301	305.5	340	341	343	347.7	386	387	389	393.2	435	436	438	442.2	487	488	490	494.6											
		Lo PR	128	129	132	137.7	135	137	140	145.3	142	143	147	152.0	148	149	152	157.7	153	155	158	163.2	160	162	165	170.2											
	1050	MBh	31.3	31.7	32.6	34.0	31.0	31.5	32.4	33.7	30.3	30.7	31.6	32.9	28.9	29.3	30.2	31.6	27.3	27.7	28.6	29.9	25.8	26.2	27.1	28.4											
		S/T	0.86	0.78	0.65	0.5	1.00	0.79	0.65	0.5	1.00	0.82	0.68	0.5	1.00	0.84	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.77	0.6											
		ΔT	19.21	17.54	14.41	11.2	19.16	17.49	14.37	11.1	19.40	17.73	14.60	11.4	19.14	17.47	14.35	11.1	18.92	17.25	14.13	10.9	19.97	18.30	15.17	11.9											
		kW	2.05	2.05	2.04	2.1	2.28	2.28	2.27	2.3	2.54	2.54	2.53	2.5	2.82	2.82	2.81	2.8	3.13	3.13	3.12	3.1	3.50	3.49	3.49	3.5											
		Amps	7.63	7.62	7.61	7.7	8.64	8.63	8.61	8.7	9.76	9.75	9.74	9.8	10.98	10.97	10.95	11.0	12.34	12.33	12.31	12.4	13.93	13.92	13.91	14.0											
1300	Hi PR	262	263	265	269.3	302	303	305	309.6	344	346	347	351.8	390	391	393	397.3	439	440	442	446.3	491	492	494	498.6												
	Lo PR	132	133	136	141.8	139	141	144	149.4	146	148	151	156.1	152	153	156	161.8	157	159	162	167.4	164	166	169	174.3												
	MBh	30.3	30.7	31.6	33.0	30.1	30.5	31.4	32.7	29.3	29.7	30.6	32.0	27.9	28.4	29.2	30.6	26.3	26.7	27.6	29.0	24.8	25.2	26.1	27.5												
	S/T	0.82	0.74	0.60	0.5	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.73	0.6												
	ΔT	20.74	19.07	15.95	12.7	20.70	19.03	15.90	12.7	20.93	19.26	16.14	12.9	20.68	19.01	15.89	12.7	20.46	18.78	15.66	12.4	21.50	19.83	16.71	13.5												

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)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												105°F												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	29.8	30.2	31.1	32.5	29.5	29.9	30.8	32.2	28.7	29.2	30.0	31.4	27.4	27.8	28.7	30.1	25.7	26.2	27.1	28.4	24.2	24.7	25.6	26.9												
	S/T	1.00	0.72	0.58	0.4	1.00	0.73	0.59	0.4	1.00	0.75	0.61	0.5	1.00	1.00	0.63	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6												
	ΔT	26.59	24.92	21.80	18.6	26.54	24.87	21.75	18.5	26.78	25.11	21.99	18.8	26.53	24.85	21.73	18.5	26.30	24.63	21.51	18.3	27.35	25.68	22.56	19.3												
	kW	2.00	2.00	2.00	2.0	2.24	2.23	2.23	2.2	2.49	2.49	2.49	2.5	2.77	2.77	2.77	2.8	3.09	3.09	3.08	3.1	3.45	3.45	3.45	3.5												
	Amps	7.45	7.44	7.42	7.5	8.45	8.45	8.43	8.5	9.58	9.57	9.55	9.6	10.79	10.79	10.77	10.8	12.15	12.15	12.13	12.2	13.75	13.74	13.72	13.8												
	Hi PR	254	255	257	261.3	294	295	297	301.6	337	338	339	343.9	382	383	385	389.3	431	432	434	438.4	483	484	486	490.7												
	Lo PR	125	126	129	134.8	132	134	137	142.4	139	141	144	149.1	145	146	149	154.8	150	152	155	160.3	157	159	162	167.3												
	MBh	30.5	30.9	31.8	33.2	30.2	30.6	31.5	32.9	29.4	29.9	30.7	32.1	28.1	28.5	29.4	30.8	26.4	26.9	27.8	29.1	24.9	25.4	26.3	27.6												
	S/T	1.00	0.87	0.73	0.6	1.00	0.87	0.73	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.86	0.7												
	ΔT	24.44	22.77	19.65	16.4	24.40	22.73	19.60	16.4	24.63	22.96	19.84	16.6	24.38	22.71	19.59	16.4	24.16	22.49	19.36	16.1	25.20	23.53	20.41	17.2												
kW	2.03	2.03	2.02	2.0	2.26	2.26	2.26	2.3	2.52	2.52	2.51	2.5	2.80	2.80	2.79	2.8	3.11	3.11	3.11	3.1	3.48	3.48	3.47	3.5													
Amps	7.56	7.55	7.53	7.6	8.57	8.56	8.54	8.6	9.69	9.68	9.66	9.7	10.91	10.90	10.88	11.0	12.26	12.26	12.24	12.3	13.86	13.85	13.83	13.9													
Hi PR	258	259	261	265.7	299	300	302	306.0	341	342	344	348.2	386	387	389	393.7	435	436	438	442.7	488	489	491	495.0													
Lo PR	128	130	133	138.2	136	137	141	145.9	142	144	147	152.6	148	150	153	158.2	154	155	158	163.8	161	162	165	170.7													
MBh	31.5	31.9	32.8	34.1	31.2	31.6	32.5	33.9	30.4	30.8	31.7	33.1	29.1	29.5	30.4	31.7	27.4	27.8	28.7	30.1	25.9	26.3	27.2	28.6													
S/T	1.00	0.91	0.77	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8													
ΔT	22.91	21.24	18.12	14.9	22.86	21.19	18.07	14.8	23.10	21.43	18.30	15.1	22.85	21.17	18.05	14.8	22.62	20.95	17.83	14.6	23.67	22.00	18.88	15.6													
kW	2.05	2.05	2.04	2.1	2.28	2.28	2.27	2.3	2.54	2.54	2.53	2.6	2.82	2.82	2.81	2.8	3.13	3.13	3.13	3.1	3.50	3.50	3.49	3.5													
Amps	7.64	7.63	7.61	7.7	8.64	8.64	8.62	8.7	9.77	9.76	9.74	9.8	10.98	10.98	10.96	11.0	12.34	12.34	12.32	12.4	13.94	13.93	13.91	14.0													
Hi PR	262	263	265	269.7	303	304	306	310.0	345	346	348	352.3	390	391	393	397.7	439	441	442	446.8	492	493	495	499.1													
Lo PR	132	134	137	142.4	140	141	145	150.0	147	148	151	156.7	152	154	157	162.4	158	159	163	167.9	165	166	170	174.9													

800	MBh	30.3	30.7	31.6	33.0	30.0	30.4	31.3	32.7	29.2	29.7	30.6	31.9	27.9	28.3	29.2	30.6	26.2	26.7	27.6	28.9	24.8	25.2	26.1	27.4
	S/T	1.00	0.83	0.69	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	1.00	0.7
	ΔT	29.87	28.20	25.08	21.8	29.83	28.15	25.03	21.8	30.06	28.39	25.27	22.0	29.81	28.14	25.02	21.8	29.59	27.91	24.79	21.6	30.63	28.96	25.84	22.6
	kW	2.01	2.01	2.00	2.0	2.24	2.24	2.24	2.3	2.50	2.50	2.49	2.5	2.78	2.78	2.77	2.8	3.09	3.09	3.09	3.1	3.46	3.46	3.45	3.5
	Amps	7.47	7.46	7.44	7.5	8.47	8.47	8.45	8.5	9.60	9.59	9.57	9.6	10.81	10.81	10.79	10.9	12.17	12.16	12.15	12.2	13.77	13.76	13.74	13.8
	Hi PR	255	256	258	262.5	295	297	298	302.8	338	339	341	345.1	383	384	386	390.6	432	433	435	439.6	485	486	487	491.9
	Lo PR	127	128	131	136.7	134	136	139	144.3	141	142	146	151.0	147	148	151	156.7	152	154	157	162.2	159	161	164	169.2
	MBh	31.0	31.4	32.3	33.7	30.7	31.1	32.0	33.4	29.9	30.4	31.2	32.6	28.6	29.0	29.9	31.3	26.9	27.4	28.3	29.6	25.4	25.9	26.8	28.1
	S/T	1.00	0.97	0.83	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
	ΔT	27.73	26.05	22.93	19.7	27.68	26.01	22.89	19.7	27.92	26.24	23.12	19.9	27.66	25.99	22.87	19.6	27.44	25.77	22.65	19.4	28.49	26.81	23.69	20.5
kW	2.03	2.03	2.03	2.0	2.27	2.26	2.26	2.3	2.52	2.52	2.52	2.5	2.80	2.80	2.80	2.8	3.12	3.12	3.11	3.1	3.48	3.48	3.48	3.5	
Amps	7.58	7.57	7.55	7.6	8.58	8.58	8.56	8.6	9.71	9.70	9.68	9.8	10.92	10.92	10.90	11.0	12.28	12.28	12.26	12.3	13.88	13.87	13.85	13.9	
Hi PR	260	261	262	266.9	300	301	303	307.2	342	343	345	349.4	388	389	390	394.9	437	438	439	443.9	489	490	492	496.2	
Lo PR	130	132	135	140.1	138	139	142	147.7	144	146	149	154.4	150	152	155	160.1	156	157	160	165.7	163	164	167	172.6	
MBh	32.0	32.4	33.3	34.6	31.7	32.1	33.0	34.4	30.9	31.3	32.2	33.6	29.6	30.0	30.9	32.2	27.9	28.3	29.2	30.6	26.4	26.8	27.7	29.1	
S/T	1.00	1.00	0.88	0.7	1.00	1.00	0.88	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	1.00	1.00	1.00	0.9	
ΔT	26.19	24.52	21.40	18.2	26.14	24.47	21.35	18.1	26.38	24.71	21.59	18.4	26.13	24.46	21.33	18.1	25.90	24.23	21.11	17.9	26.95	25.28	22.16	18.9	
kW	2.05	2.05	2.05	2.1	2.28	2.28	2.28	2.3	2.54	2.54	2.54	2.6	2.82	2.82	2.82	2.8	3.14	3.13	3.13	3.1	3.50	3.50	3.50	3.5	
Amps	7.66	7.65	7.63	7.7	8.66	8.66	8.64	8.7	9.79	9.78	9.76	9.8	11.00	11.00	10.98	11.1	12.36	12.35	12.34	12.4	13.96	13.95	13.93	14.0	
Hi PR	264	265	266	270.9	304	305	307	311.2	346	347	349	353.5	392	393	394	398.9	441	442	444	448.0	493	494	496	500.3	
Lo PR	134	136	139	144.2	142	143	147	151.9	148	150	153	158.6	154	156	159	164.2	160	161	164	169.8	167	168	171	176.8	

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)

EXPANDED COOLING DATA — GPCM33631

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																															
		65°F						75°F						85°F						95°F						105°F						115°F																	
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79												
70	MBh	34.5	35.0	36.0	-	34.2	34.7	35.7	-	33.3	33.8	34.8	-	31.7	32.2	33.3	-	29.8	30.3	31.3	-	28.1	28.6	29.6	-	34.5	35.0	36.0	-	34.2	34.7	35.7	-	33.3	33.8	34.8	-	31.7	32.2	33.3	-	29.8	30.3	31.3	-	28.1	28.6	29.6	-
	S/T	0.54	0.47	0.33	-	0.55	0.47	0.34	-	0.57	0.50	0.36	-	1.00	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.59	0.45	-	0.54	0.47	0.33	-	0.55	0.47	0.34	-	0.57	0.50	0.36	-	1.00	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.59	0.45	-
	ΔT	20.25	18.47	15.14	-	20.20	18.42	15.09	-	20.45	18.67	15.34	-	20.18	18.40	15.07	-	19.94	18.16	14.83	-	21.06	19.28	15.95	-	20.25	18.47	15.14	-	20.20	18.42	15.09	-	20.45	18.67	15.34	-	20.18	18.40	15.07	-	19.94	18.16	14.83	-	21.06	19.28	15.95	-
	kW	2.29	2.29	2.28	-	2.57	2.57	2.57	-	2.89	2.89	2.88	-	3.23	3.23	3.22	-	3.61	3.61	3.61	-	4.06	4.06	4.06	-	2.29	2.29	2.28	-	2.57	2.57	2.57	-	2.89	2.89	2.88	-	3.23	3.23	3.22	-	3.61	3.61	3.61	-	4.06	4.06	4.06	-
	Amps	8.69	8.68	8.66	-	9.93	9.92	9.89	-	11.30	11.29	11.27	-	12.79	12.78	12.76	-	14.45	14.44	14.42	-	16.40	16.39	16.37	-	8.69	8.68	8.66	-	9.93	9.92	9.89	-	11.30	11.29	11.27	-	12.79	12.78	12.76	-	14.45	14.44	14.42	-	16.40	16.39	16.37	-
	Hi PR	263	264	266	-	304	306	307	-	348	349	351	-	395	396	398	-	446	447	449	-	500	501	503	-	263	264	266	-	304	306	307	-	348	349	351	-	395	396	398	-	446	447	449	-	500	501	503	-
	Lo PR	124	125	128	-	131	133	136	-	138	140	143	-	144	145	148	-	149	151	154	-	156	158	161	-	124	125	128	-	131	133	136	-	138	140	143	-	144	145	148	-	149	151	154	-	156	158	161	-
	MBh	35.3	35.7	36.8	-	34.9	35.4	36.5	-	34.0	34.5	35.6	-	32.5	33.0	34.0	-	30.6	31.0	32.1	-	28.8	29.3	30.3	-	35.3	35.7	36.8	-	34.9	35.4	36.5	-	34.0	34.5	35.6	-	32.5	33.0	34.0	-	30.6	31.0	32.1	-	28.8	29.3	30.3	-
	S/T	0.67	0.59	0.45	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.71	0.58	-	0.67	0.59	0.45	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.71	0.58	-
	ΔT	18.20	16.42	13.09	-	18.16	16.37	13.04	-	18.41	16.62	13.29	-	18.14	16.35	13.03	-	17.90	16.12	12.79	-	19.02	17.23	13.90	-	18.20	16.42	13.09	-	18.16	16.37	13.04	-	18.41	16.62	13.29	-	18.14	16.35	13.03	-	17.90	16.12	12.79	-	19.02	17.23	13.90	-
kW	2.32	2.32	2.31	-	2.60	2.60	2.59	-	2.92	2.91	2.91	-	3.26	3.26	3.25	-	3.64	3.64	3.63	-	4.09	4.09	4.08	-	2.32	2.32	2.31	-	2.60	2.60	2.59	-	2.92	2.91	2.91	-	3.26	3.26	3.25	-	3.64	3.64	3.63	-	4.09	4.09	4.08	-	
Amps	8.81	8.81	8.78	-	10.05	10.04	10.02	-	11.42	11.41	11.39	-	12.91	12.90	12.88	-	14.57	14.56	14.54	-	16.52	16.51	16.49	-	8.81	8.81	8.78	-	10.05	10.04	10.02	-	11.42	11.41	11.39	-	12.91	12.90	12.88	-	14.57	14.56	14.54	-	16.52	16.51	16.49	-	
Hi PR	267	268	270	-	308	310	311	-	352	353	355	-	399	400	402	-	450	451	453	-	504	505	507	-	267	268	270	-	308	310	311	-	352	353	355	-	399	400	402	-	450	451	453	-	504	505	507	-	
Lo PR	127	128	132	-	134	136	139	-	141	143	146	-	147	148	151	-	152	154	157	-	159	161	164	-	127	128	132	-	134	136	139	-	141	143	146	-	147	148	151	-	152	154	157	-	159	161	164	-	
MBh	36.3	36.8	37.8	-	36.0	36.5	37.5	-	35.1	35.5	36.6	-	33.5	34.0	35.0	-	31.6	32.1	33.1	-	29.8	30.3	31.4	-	36.3	36.8	37.8	-	36.0	36.5	37.5	-	35.1	35.5	36.6	-	33.5	34.0	35.0	-	31.6	32.1	33.1	-	29.8	30.3	31.4	-	
S/T	0.71	0.63	0.50	-	0.72	0.64	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	1.00	0.62	-	0.71	0.63	0.50	-	0.72	0.64	0.51	-	1.00	0.67	0.53	-	1.00	0.69	0.55	-	1.00	0.71	0.57	-	1.00	1.00	0.62	-	
ΔT	16.70	14.91	11.58	-	16.65	14.86	11.53	-	16.90	15.12	11.79	-	16.63	14.85	11.52	-	16.39	14.61	11.28	-	17.51	15.72	12.39	-	16.70	14.91	11.58	-	16.65	14.86	11.53	-	16.90	15.12	11.79	-	16.63	14.85	11.52	-	16.39	14.61	11.28	-	17.51	15.72	12.39	-	
kW	2.34	2.34	2.33	-	2.62	2.62	2.61	-	2.94	2.94	2.93	-	3.28	3.28	3.27	-	3.66	3.66	3.66	-	4.11	4.11	4.10	-	2.34	2.34	2.33	-	2.62	2.62	2.61	-	2.94	2.94	2.93	-	3.28	3.28	3.27	-	3.66	3.66	3.66	-	4.11	4.11	4.10	-	
Amps	8.90	8.89	8.87	-	10.14	10.13	10.11	-	11.51	11.50	11.48	-	13.00	12.99	12.97	-	14.66	14.65	14.63	-	16.61	16.60	16.58	-	8.90	8.89	8.87	-	10.14	10.13	10.11	-	11.51	11.50	11.48	-	13.00	12.99	12.97	-	14.66	14.65	14.63	-	16.61	16.60	16.58	-	
Hi PR	271	272	274	-	312	313	315	-	356	357	359	-	403	404	406	-	454	455	457	-	508	509	511	-	271	272	274	-	312	313	315	-	356	357	359	-	403	404	406	-	454	455	457	-	508	509	511	-	
Lo PR	131	132	135	-	138	140	143	-	145	146	150	-	150	152	155	-	156	158	161	-	163	164	168	-	131	132	135	-	138	140	143	-	145	146	150	-	150	152	155	-	156	158	161	-	163	164	168	-	

75	MBh	34.5	35.0	36.1	37.6	34.2	34.7	35.7	37.3	33.3	33.8	34.8	36.4	31.7	32.2	33.3	34.9	29.8	30.3	31.4	32.9	28.1	28.6	29.6	31.2	34.5	35.0	36.1	37.6	34.2	34.7	35.7	37.3	33.3	33.8	34.8	36.4	31.7	32.2	33.3	34.9	29.8	30.3	31.4	32.9	28.1	28.6	29.6	31.2
	S/T	0.67	0.59	0.46	0.3	0.68	0.60	0.47	0.3	1.00	0.63	0.49	0.3	1.00	0.65	0.51	0.4	1.00	0.67	0.53	0.4	1.00	1.00	0.58	0.4	0.67	0.59	0.46	0.3	0.68	0.60	0.47	0.3	1.00	0.63	0.49	0.3	1.00	0.65	0.51	0.4	1.00	0.67	0.53	0.4	1.00	1.00	0.58	0.4
	ΔT	24.12	22.39	19.06	15.6	24.12	22.34	19.01	15.6	24.37	22.59	19.26	15.8	24.10	22.32	18.99	15.5	23.87	22.08	18.75	15.3	24.98	23.20	19.87	16.4	24.12	22.39	19.06	15.6	24.12	22.34	19.01	15.6	24.37	22.59	19.26	15.8	24.10	22.32	18.99	15.5	23.87	22.08	18.75	15.3	24.98	23.20	19.87	16.4
	kW	2.29	2.29	2.28	2.3	2.57	2.57	2.56	2.6	2.89	2.89	2.88	2.9	3.23	3.23	3.22	3.2	3.61	3.61	3.61	3.6	4.06	4.06	4.05	4.1	2.29	2.29	2.28	2.3	2.57	2.57	2.56	2.6	2.89	2.89	2.88	2.9	3.23	3.23	3.22	3.2	3.61	3.61	3.61	3.6	4.06	4.06	4.05	4.1
	Amps	8.69	8.68	8.65	8.7	9.92	9.91	9.89	10.0	11.29	11.28	11.26	11.4	12.78	12.77	12.75	12.8	14.44	14.43	14.41	14.5	16.39	16.39	16.36	16.5	8.69	8.68	8.65	8.7	9.92	9.91	9.89	10.0	11.29	11.28	11.26	11.4	12.78	12.77	12.75	12.8	14.44	14.43	14.41	14.5	16.39	16.39	16.36	16.5
	Hi PR	263	264	266	270.5	305	306	308	312.2	348	349	351	355.9	395	397	398	403.0	446	447	449	453.7	500	501	503	507.9	263	264	266	270.5	305	306	308	312.2	348	349	351	355.9	395	397	398	403.0	446	447	449	453.7	500	501	503	507.9
	Lo PR	124	125	128	133.8	131	133	136	141.4	138	140	143	148.1	144	145	148	153.7	149	151	154	159.2	156	158	161	166.1	124	125	128	133.8	131	133	136	141.4	138	140	143	148.1	144	145	148	153.7	149	151	154	159.2	156	158	161	166.1
	MBh	35.3	35.8	36.8	38.4	35.0	35.5	36.5	38.1	34.1	34.5	35.6	37.2	32.5	33.0	34.0	35.6	30.6	31.1	32.1	33.7	28.8	29.3	30.4	32.0	35.3	35.8	36.8	38.4	35.0	35.5	36.5	38.1	34.1															

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												105°F												115°F																								
		65°F						75°F						85°F						95°F						105°F						115°F																		
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79													
80	MBh	34.7	35.2	36.2	37.8	34.4	34.9	35.9	37.5	33.5	33.5	34.0	35.0	36.6	31.9	32.4	33.5	35.0	30.0	30.5	31.5	33.1	28.3	28.8	29.8	31.4	30.0	30.5	31.5	33.1	28.3	28.8	29.8	31.4	30.0	30.5	31.5	33.1	28.3	28.8	29.8	31.4	30.0	30.5	31.5	33.1	28.3	28.8	29.8	31.4
	S/T	1.00	0.72	0.58	0.4	1.00	0.73	0.59	0.4	1.00	0.75	0.62	0.5	1.00	1.00	1.00	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6
	ΔT	28.12	26.33	23.01	19.6	28.07	26.29	22.96	19.5	28.32	26.54	23.21	19.8	28.05	26.27	22.94	19.5	27.81	26.03	22.70	19.3	28.93	27.15	23.82	20.4	28.05	26.27	22.94	19.5	27.81	26.03	22.70	19.3	28.05	26.27	22.94	19.5	27.81	26.03	22.70	19.3	28.05	26.27	22.94	19.5	27.81	26.03	22.70	19.3	
	kW	2.29	2.29	2.28	2.3	2.57	2.57	2.57	2.6	2.89	2.89	2.88	2.9	3.23	3.23	3.22	3.2	3.61	3.61	3.61	3.6	4.06	4.06	4.06	4.1	3.23	3.23	3.22	3.2	3.61	3.61	3.61	3.6	3.23	3.23	3.22	3.2	3.61	3.61	3.61	3.6	3.23	3.23	3.22	3.2	3.61	3.61	3.61	3.6	
	Amps	8.69	8.68	8.66	8.8	9.92	9.91	9.89	10.0	11.30	11.29	11.27	11.4	12.79	12.78	12.76	12.9	14.45	14.44	14.42	14.5	16.40	16.39	16.37	16.5	12.79	12.78	12.76	12.9	14.45	14.44	14.42	14.5	12.79	12.78	12.76	12.9	14.45	14.44	14.42	14.5	12.79	12.78	12.76	12.9	14.45	14.44	14.42	14.5	
	Hi PR	263	264	266	271.0	305	306	308	312.7	349	350	352	356.4	396	397	399	403.5	447	448	450	454.2	501	502	504	508.4	396	397	399	403.5	447	448	450	454.2	396	397	399	403.5	447	448	450	454.2	396	397	399	403.5	447	448	450	454.2	
	Lo PR	124	126	129	134.3	132	133	137	142.0	139	140	143	148.6	144	146	149	154.2	150	151	154	159.8	157	158	161	166.7	144	146	149	154.2	150	151	154	159.8	144	146	149	154.2	150	151	154	159.8	144	146	149	154.2	150	151	154	159.8	
	MBh	35.5	35.9	37.0	38.6	35.1	35.6	36.7	38.3	34.2	34.7	35.8	37.4	32.7	33.2	34.2	35.8	30.8	31.2	32.3	33.9	29.0	29.5	30.5	32.1	32.7	33.2	34.2	35.8	30.8	31.2	32.3	33.9	32.7	33.2	34.2	35.8	30.8	31.2	32.3	33.9	32.7	33.2	34.2	35.8	30.8	31.2	32.3	33.9	
	S/T	1.00	0.85	0.71	0.6	1.00	0.85	0.72	0.6	1.00	0.88	0.74	0.6	1.00	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.83	0.7	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6
	ΔT	26.07	24.29	20.96	17.5	26.02	24.24	20.91	17.5	26.28	24.49	21.16	17.7	26.01	24.22	20.89	17.4	25.77	23.98	20.66	17.2	26.88	25.10	21.77	18.3	26.01	24.22	20.89	17.4	25.77	23.98	20.66	17.2	26.01	24.22	20.89	17.4	25.77	23.98	20.66	17.2	26.01	24.22	20.89	17.4	25.77	23.98	20.66	17.2	
kW	2.32	2.31	2.31	2.3	2.60	2.60	2.59	2.6	2.92	2.91	2.91	2.9	3.26	3.26	3.25	3.3	3.64	3.64	3.63	3.7	4.09	4.09	4.08	4.1	3.26	3.26	3.25	3.3	3.64	3.64	3.63	3.7	3.26	3.26	3.25	3.3	3.64	3.64	3.63	3.7	3.26	3.26	3.25	3.3	3.64	3.64	3.63	3.7		
Amps	8.81	8.80	8.78	8.9	10.05	10.04	10.01	10.1	11.42	11.41	11.39	11.5	12.91	12.90	12.88	13.0	14.57	14.56	14.54	14.6	16.52	16.51	16.49	16.6	12.91	12.90	12.88	13.0	14.57	14.56	14.54	14.6	12.91	12.90	12.88	13.0	14.57	14.56	14.54	14.6	12.91	12.90	12.88	13.0	14.57	14.56	14.54	14.6		
Hi PR	267	269	270	275.0	309	310	312	316.7	353	354	356	360.5	400	401	403	407.5	451	452	454	458.3	505	506	508	512.4	400	401	403	407.5	451	452	454	458.3	400	401	403	407.5	451	452	454	458.3	400	401	403	407.5	451	452	454	458.3		
Lo PR	127	129	132	137.5	135	137	140	145.1	142	143	146	151.7	147	149	152	157.4	153	154	158	162.9	160	161	165	169.8	147	149	152	157.4	153	154	158	162.9	147	149	152	157.4	153	154	158	162.9	147	149	152	157.4	153	154	158	162.9		
MBh	36.5	37.0	38.0	39.6	36.2	36.7	37.7	39.3	35.3	35.7	36.8	38.4	33.7	34.2	35.2	36.8	31.8	32.3	33.3	34.9	30.0	30.5	31.6	33.2	33.7	34.2	35.2	36.8	31.8	32.3	33.3	34.9	33.7	34.2	35.2	36.8	31.8	32.3	33.3	34.9	33.7	34.2	35.2	36.8	31.8	32.3	33.3	34.9		
S/T	1.00	0.89	0.75	0.6	1.00	0.90	0.76	0.6	1.00	1.00	0.79	0.6	1.00	1.00	1.00	0.80	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.7	1.00	1.00	0.80	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.83	0.7		
ΔT	24.56	22.78	19.45	16.0	24.52	22.73	19.40	16.0	24.77	22.98	19.65	16.2	24.50	22.71	19.38	15.9	24.26	22.48	19.15	15.7	25.38	23.59	20.26	16.8	24.50	22.71	19.38	15.9	24.26	22.48	19.15	15.7	24.50	22.71	19.38	15.9	24.26	22.48	19.15	15.7	24.50	22.71	19.38	15.9	24.26	22.48	19.15	15.7		
kW	2.34	2.34	2.33	2.4	2.62	2.62	2.61	2.6	2.94	2.93	2.93	3.0	3.28	3.28	3.27	3.3	3.66	3.66	3.65	3.7	4.11	4.11	4.10	4.1	3.28	3.28	3.27	3.3	3.66	3.66	3.65	3.7	3.28	3.28	3.27	3.3	3.66	3.66	3.65	3.7	3.28	3.28	3.27	3.3	3.66	3.66	3.65	3.7		
Amps	8.90	8.89	8.87	9.0	10.13	10.12	10.10	10.2	11.51	11.50	11.48	11.6	13.00	12.99	12.97	13.1	14.66	14.65	14.63	14.7	16.61	16.60	16.58	16.7	13.00	12.99	12.97	13.1	14.66	14.65	14.63	14.7	13.00	12.99	12.97	13.1	14.66	14.65	14.63	14.7	13.00	12.99	12.97	13.1	14.66	14.65	14.63	14.7		
Hi PR	271	272	274	278.8	313	314	316	320.6	357	358	360	364.3	404	405	407	411.4	454	456	457	462.1	509	510	512	516.3	404	405	407	411.4	454	456	457	462.1	404	405	407	411.4	454	456	457	462.1	404	405	407	411.4	454	456	457	462.1		
Lo PR	131	133	136	141.2	139	140	143	148.8	145	147	150	155.5	151	153	156	161.1	157	158	161	166.6	163	165	168	173.5	147	150	155.5	151	153	156	161.1	147	150	155.5	151	153	156	161.1	147	150	155.5	151	153	156	161.1					

85	MBh	35.3	35.8	36.8	38.4	35.0	35.5	36.5	38.1	34.1	34.6	35.6	37.2	32.5	33.0	34.0	35.6	30.6	31.1	32.1	33.7	28.9	29.3	30.4	32.0	32.5	33.0	34.0	35.6	30.6	31.1	32.1	33.7	32.5	33.0	34.0	35.6	30.6	31.1	32.1	33.7	32.5	33.0	34.0	35.6	30.6	31.1	32.1	33.7
	S/T	1.00	0.82	0.69	0.5	1.00	0.83	0.69	0.5	1.00	1.00	0.72	0.6	1.00	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.7	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.76	0.6
	ΔT	31.62	29.84	26.51	23.1	31.57	29.79	26.46	23.0	31.82	30.04	26.71	23.3	31.55	29.77	26.44	23.0	31.31	29.53	26.20	22.8	32.43	30.65	27.32	23.9	31.55	29.77	26.44	23.0	31.31	29.53	26.20	22.8	31.55	29.77	26.44	23.0	31.31	29.53	26.20	22.8	31.55	29.77	26.44	23.0	31.31	29.53	26.20	22.8
	kW	2.29	2.29	2.29	2.3	2.58	2.58	2.57	2.6	2.89	2.89	2.89	2.9	3.24	3.23	3.23	3.3	3.62	3.62	3.61	3.6	4.07	4.07	4.06	4.1	3.24	3.23	3.23	3.3	3.62	3.62	3.61	3.6	3.24	3.23	3.23	3.3	3.62	3.62	3.61	3.6	3.24	3.23	3.23	3.3	3.62	3.62	3.61	3.6
	Amps	8.72	8.71	8.68	8.8	9.95	9.94	9.92	10.0	11.32	11.31	11.29	11.4	12.81	12.80	12.78	12.9	14.47	14.46	14.44	14.5	16.42	16.42	16.39	16.5	12.81	12.80	12.78	12.9	14.47	14.46	14.44	14.5	12.81	12.80	12.78	12.9	14.47	14.46	14.44	14.5	12.81	12.80	12.78	12.9	14.47	14.46	14.44	14.5
	Hi PR	265	266	268	272.2	30																																											

EXPANDED COOLING DATA — GPCM34231

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	
70	1000	MBh	38.8	39.3	40.5	-	38.4	39.0	40.2	-	37.4	38.0	39.1	-	35.7	36.2	37.4	-	33.5	34.1	35.2	-	31.5	32.1	33.3	-
		S/T	0.54	0.47	0.33	-	0.55	0.47	0.33	-	0.58	0.50	0.36	-	1.00	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.59	0.45	-
		ΔT	20.21	18.44	15.15	-	20.16	18.40	15.10	-	20.41	18.64	15.35	-	20.14	18.38	15.08	-	19.91	18.14	14.84	-	21.01	19.25	15.95	-
		kW	2.57	2.56	2.56	-	2.89	2.89	2.88	-	3.25	3.24	3.24	-	3.64	3.63	3.63	-	4.07	4.07	4.06	-	4.58	4.58	4.57	-
		Amps	9.67	9.66	9.63	-	11.06	11.05	11.03	-	12.62	12.61	12.59	-	14.31	14.30	14.28	-	16.20	16.18	16.16	-	18.41	18.40	18.37	-
	Hi PR	267	268	270	-	310	311	313	-	354	355	357	-	402	403	405	-	454	455	457	-	509	510	512	-	
	Lo PR	126	127	130	-	133	135	138	-	140	142	145	-	146	147	151	-	151	153	156	-	158	160	163	-	
	MBh	39.7	40.2	41.4	-	39.3	39.9	41.1	-	38.3	38.9	40.0	-	36.6	37.1	38.3	-	34.4	35.0	36.1	-	32.4	33.0	34.2	-	
	S/T	0.68	0.61	0.47	-	0.69	0.61	0.47	-	1.00	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.73	0.59	-	
	ΔT	18.03	16.26	12.97	-	17.98	16.22	12.92	-	18.23	16.46	13.17	-	17.96	16.20	12.90	-	17.73	15.96	12.66	-	18.83	17.07	13.77	-	
kW	2.60	2.60	2.59	-	2.92	2.92	2.91	-	3.28	3.28	3.27	-	3.67	3.67	3.66	-	4.10	4.10	4.10	-	4.61	4.61	4.60	-		
Amps	9.82	9.80	9.78	-	11.21	11.20	11.18	-	12.77	12.76	12.74	-	14.46	14.45	14.42	-	16.34	16.33	16.31	-	18.56	18.54	18.52	-		
Hi PR	272	273	275	-	314	315	317	-	359	360	362	-	407	408	410	-	458	460	461	-	514	515	517	-		
Lo PR	129	130	134	-	137	138	141	-	143	145	148	-	149	151	154	-	155	156	160	-	162	163	167	-		
MBh	40.9	41.5	42.6	-	40.6	41.1	42.3	-	39.5	40.1	41.3	-	37.8	38.3	39.5	-	35.6	36.2	37.4	-	33.7	34.2	35.4	-		
S/T	0.73	0.65	0.51	-	0.74	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-		
ΔT	16.45	14.69	11.39	-	16.40	14.64	11.34	-	16.65	14.89	11.59	-	16.39	14.62	11.32	-	16.15	14.38	11.09	-	17.26	15.49	12.19	-		
kW	2.63	2.62	2.62	-	2.95	2.94	2.94	-	3.31	3.30	3.30	-	3.69	3.69	3.69	-	4.13	4.13	4.12	-	4.64	4.63	4.63	-		
Amps	9.92	9.91	9.89	-	11.32	11.31	11.28	-	12.88	12.87	12.84	-	14.57	14.55	14.53	-	16.45	16.44	16.42	-	18.66	18.65	18.63	-		
Hi PR	276	277	279	-	318	319	321	-	363	364	366	-	411	412	414	-	463	464	466	-	518	519	521	-		
Lo PR	133	134	138	-	141	142	145	-	147	149	152	-	153	155	158	-	159	160	164	-	166	167	171	-		

75	1000	MBh	38.8	39.4	40.5	42.3	38.5	39.0	40.2	42.0	37.4	38.0	39.2	41.0	35.7	36.2	37.4	39.2	33.5	34.1	35.3	37.0	31.6	32.1	33.3	35.1
		S/T	0.68	0.74	0.60	0.3	1.00	0.61	0.47	0.3	1.00	0.63	0.49	0.3	1.00	0.65	0.51	0.4	1.00	0.67	0.53	0.4	1.00	1.00	0.59	0.4
		ΔT	24.09	22.33	19.03	15.6	24.04	22.28	18.98	15.6	24.29	22.53	19.23	15.8	24.03	22.26	18.96	15.5	23.79	22.02	18.73	15.3	24.90	23.13	19.83	16.4
		kW	2.57	2.56	2.56	2.6	2.89	2.88	2.88	2.9	3.25	3.24	3.24	3.3	3.63	3.63	3.63	3.6	4.07	4.06	4.06	4.1	4.58	4.57	4.57	4.6
		Amps	9.66	9.65	9.62	9.7	11.05	11.04	11.02	11.1	12.61	12.60	12.58	12.7	14.30	14.29	14.27	14.4	16.19	16.18	16.15	16.3	18.40	18.39	18.36	18.5
	Hi PR	268	269	271	275.3	310	311	313	317.8	355	356	358	362.3	403	404	406	410.3	454	455	457	462.0	509	511	512	517.1	
	Lo PR	126	127	130	135.7	133	135	138	143.5	140	142	145	150.2	146	147	151	156.0	151	153	156	161.6	158	160	163	168.6	
	MBh	39.7	40.3	41.4	43.2	39.4	39.9	41.1	42.9	38.3	38.9	40.1	41.8	36.6	37.1	38.3	40.1	37.8	34.4	35.0	36.1	37.9	32.5	33.0	34.2	36.0
	S/T	0.82	0.74	0.60	0.5	1.00	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.73	0.6	
	ΔT	21.91	20.15	16.85	13.4	21.86	20.10	16.80	13.4	22.11	20.35	17.05	13.6	21.85	20.08	16.78	13.4	21.61	19.84	16.55	13.1	22.72	20.95	17.65	14.2	
kW	2.60	2.60	2.59	2.6	2.92	2.92	2.91	2.9	3.28	3.28	3.27	3.3	3.67	3.66	3.66	3.7	4.10	4.10	4.09	4.1	4.61	4.61	4.60	4.6		
Amps	9.81	9.79	9.77	9.9	11.20	11.19	11.17	11.3	12.76	12.75	12.73	12.8	14.45	14.44	14.41	14.5	16.33	16.32	16.30	16.4	18.55	18.54	18.51	18.6		
Hi PR	272	273	275	279.7	314	316	317	322.2	359	360	362	366.7	407	408	410	414.7	459	460	462	466.4	514	515	517	521.6		
Lo PR	129	130	134	139.1	137	138	141	146.9	143	145	148	153.6	149	151	154	159.3	155	156	160	165.0	162	163	167	172.0		
MBh	40.9	41.5	42.7	44.5	40.6	41.1	42.3	44.1	39.6	40.1	41.3	43.1	37.8	38.4	39.5	41.3	35.7	36.2	37.4	39.2	33.7	34.3	35.4	37.2		
S/T	0.86	0.78	0.65	0.5	1.00	0.79	0.65	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.77	0.6		
ΔT	20.34	18.57	15.27	11.9	20.29	18.52	15.22	11.8	20.54	18.77	15.47	12.1	20.27	18.50	15.21	11.8	20.03	18.27	14.97	11.6	21.14	19.37	16.08	12.7		
kW	2.62	2.62	2.62	2.6	2.95	2.94	2.94	3.0	3.30	3.30	3.30	3.3	3.69	3.69	3.68	3.7	4.13	4.12	4.12	4.1	4.63	4.63	4.63	4.7		
Amps	9.91	9.90	9.88	10.0	11.31	11.30	11.27	11.4	12.87	12.86	12.83	12.9	14.56	14.55	14.52	14.6	16.44	16.43	16.41	16.5	18.65	18.64	18.62	18.7		
Hi PR	276	277	279	283.8	319	320	322	326.3	363	364	366	370.9	411	412	414	418.8	463	464	466	470.5	518	519	521	525.7		
Lo PR	133	135	138	143.2	141	142	145	150.9	147	149	152	157.7	153	155	158	163.4	159	160	164	169.0	166	167	171	176.0		

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

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												105°F												115°F											
		65°F						75°F						85°F						95°F						105°F						115°F					
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79
80	1000	MBh	39.0	39.6	40.7	42.5	38.7	39.2	40.4	42.2	37.6	38.2	39.4	41.2	35.9	36.4	37.6	39.4	33.7	34.3	35.5	37.2	31.8	32.3	33.5	35.3											
		S/T	1.00	0.73	0.59	0.4	1.00	0.76	0.62	0.5	1.00	1.00	0.64	0.5	1.00	1.00	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.72	0.6											
	1300	ΔT	28.00	26.24	22.94	19.5	27.95	26.19	22.89	19.5	28.20	26.44	23.14	19.7	27.94	26.17	22.87	19.5	27.70	25.93	22.64	19.2	28.81	27.04	23.74	20.3											
		kW	2.57	2.56	2.56	2.6	2.89	2.89	2.88	2.7	3.25	3.24	3.24	3.3	3.63	3.63	3.63	3.7	4.07	4.07	4.06	4.1	4.58	4.57	4.57	4.6											
	1600	Amps	9.67	9.65	9.63	9.7	11.06	11.05	11.03	11.1	12.62	12.61	12.59	12.7	14.31	14.30	14.27	14.4	16.19	16.18	16.16	16.3	18.41	18.39	18.37	18.5											
		Hi PR	268	269	271	275.8	311	312	314	318.3	355	356	358	362.8	403	404	406	410.8	455	456	458	462.5	510	511	513	517.6											
	85	1000	Lo PR	126	128	131	136.3	134	135	139	144.0	141	142	145	150.8	146	148	151	156.5	152	153	157	162.1	159	161	164	169.2										
			MBh	39.9	40.5	41.6	43.4	39.6	40.1	41.3	43.1	38.5	39.1	40.3	42.0	36.8	37.3	38.5	40.3	34.6	35.2	36.3	38.1	32.7	33.2	34.4	36.2										
		1300	S/T	1.00	0.87	0.73	0.6	1.00	0.87	0.73	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.80	0.7	1.00	1.00	1.00	0.7										
			ΔT	25.82	24.06	20.76	17.3	25.77	24.01	20.71	17.3	26.02	24.26	20.96	17.5	25.76	23.99	20.69	17.3	25.52	23.75	20.46	17.0	26.63	24.86	21.56	18.1										
1600		kW	2.60	2.60	2.59	2.6	2.92	2.92	2.91	2.9	3.28	3.28	3.27	3.3	3.67	3.67	3.66	3.7	4.10	4.10	4.09	4.1	4.61	4.61	4.60	4.6											
		Amps	9.81	9.80	9.78	9.9	11.21	11.20	11.18	11.3	12.77	12.76	12.73	12.8	14.46	14.45	14.42	14.5	16.34	16.33	16.31	16.4	18.55	18.54	18.52	18.6											
1000		Hi PR	272	274	275	280.2	315	316	318	322.7	359	361	363	367.2	407	409	410	415.2	459	460	462	466.9	514	515	517	522.1											
		Lo PR	129	131	134	139.7	137	139	142	147.4	144	146	149	154.2	150	151	154	159.9	155	157	160	165.5	162	164	167	172.6											
1300		MBh	41.1	41.7	42.9	44.7	40.8	41.3	42.5	44.3	39.8	40.3	41.5	43.3	38.0	38.6	39.7	41.5	35.9	36.4	37.6	39.4	33.9	34.5	35.6	37.4											
		S/T	1.00	0.91	0.77	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8											
1600	ΔT	24.25	22.48	19.18	15.8	24.20	22.43	19.13	15.7	24.45	22.68	19.38	16.0	24.18	22.41	19.12	15.7	23.94	22.18	18.88	15.5	25.05	23.28	19.99	16.6												
	kW	2.63	2.62	2.62	2.6	2.95	2.94	2.94	3.0	3.31	3.30	3.30	3.3	3.69	3.69	3.69	3.7	4.13	4.12	4.12	4.1	4.64	4.63	4.63	4.7												
1000	Amps	9.92	9.91	9.88	10.0	11.32	11.31	11.28	11.4	12.88	12.86	12.84	12.9	14.56	14.55	14.53	14.6	16.45	16.44	16.41	16.5	18.66	18.65	18.63	18.7												
	Hi PR	277	278	280	284.3	319	320	322	326.8	364	365	367	371.4	412	413	415	419.3	463	464	466	471.0	518	520	521	526.2												
1300	Lo PR	134	135	138	143.7	141	143	146	151.5	148	150	153	158.2	154	155	159	163.9	159	161	164	169.6	166	168	171	176.6												
	MBh	39.7	40.2	41.4	43.2	39.3	39.9	41.1	42.8	38.3	38.9	40.0	41.8	36.5	37.1	38.3	40.1	34.4	35.0	36.1	37.9	32.4	33.0	34.2	35.9												
1000	S/T	1.00	0.83	0.69	0.5	1.00	1.00	0.70	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.80	0.6	1.00	1.00	1.00	0.7												
	ΔT	31.47	29.70	26.41	23.0	31.42	29.66	26.36	22.9	31.67	29.90	26.61	23.2	31.40	29.64	26.34	22.9	31.17	29.40	26.10	22.7	32.27	30.51	27.21	23.8												
1300	kW	2.57	2.57	2.57	2.6	2.89	2.89	2.89	2.9	3.25	3.25	3.25	3.3	3.64	3.64	3.63	3.7	4.07	4.07	4.07	4.1	4.58	4.58	4.58	4.6												
	Amps	9.69	9.68	9.66	9.8	11.09	11.08	11.05	11.2	12.65	12.64	12.61	12.7	14.34	14.32	14.30	14.4	16.22	16.21	16.19	16.3	18.43	18.42	18.40	18.5												
1000	Hi PR	269	270	272	277.0	312	313	315	319.5	356	357	359	364.1	404	405	407	412.0	456	457	459	463.7	511	512	514	518.9												
	Lo PR	128	130	133	138.2	136	137	141	145.9	142	144	147	152.7	148	150	153	158.4	154	155	159	164.0	161	162	166	171.1												
1300	MBh	40.6	41.1	42.3	44.1	40.2	40.8	41.9	43.7	39.2	39.7	40.9	42.7	37.4	38.0	39.2	40.9	35.3	35.8	37.0	38.8	33.3	33.9	35.0	36.8												
	S/T	1.00	0.97	0.83	0.7	1.00	1.00	0.84	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	1.00	0.8												
1000	ΔT	29.29	27.52	24.23	20.8	29.24	27.48	24.18	20.8	29.49	27.72	24.43	21.0	29.22	27.46	24.16	20.7	28.99	27.22	23.92	20.5	30.09	28.33	25.03	21.6												
	kW	2.61	2.60	2.60	2.6	2.93	2.93	2.92	2.9	3.29	3.28	3.28	3.3	3.68	3.67	3.67	3.7	4.11	4.11	4.10	4.1	4.62	4.62	4.61	4.6												
1300	Amps	9.84	9.83	9.81	9.9	11.24	11.23	11.20	11.3	12.80	12.79	12.76	12.9	14.48	14.47	14.45	14.6	16.37	16.36	16.33	16.4	18.58	18.57	18.55	18.7												
	Hi PR	274	275	277	281.4	316	317	319	324.0	361	362	364	368.5	409	410	412	416.4	460	462	463	468.1	516	517	519	523.3												
1000	Lo PR	131	133	136	141.6	139	141	144	149.3	146	147	151	156.1	152	153	156	161.8	157	159	162	167.4	164	166	169	174.5												
	MBh	41.8	42.4	43.5	45.3	41.5	42.0	43.2	45.0	40.4	41.0	42.2	43.9	38.7	39.2	40.4	42.2	36.5	37.1	38.2	40.0	34.6	35.1	36.3	38.1												
1300	S/T	1.00	1.00	0.88	0.7	1.00	1.00	0.88	0.7	1.00	1.00	0.91	0.8	1.00	1.00	0.90	0.8	1.00	1.00	0.90	0.8	1.00	1.00	1.00	0.9												
	ΔT	27.71	25.95	22.65	19.2	27.66	25.90	22.60	19.2	27.91	26.15	22.85	19.4	27.65	25.88	22.58	19.2	27.41	25.64	22.35	18.9	28.52	26.75	23.45	20.0												
1000	kW	2.63	2.63	2.62	2.6	2.95	2.95	2.94	3.0	3.31	3.31	3.30	3.3	3.70	3.70	3.69	3.7	4.13	4.13	4.13	4.1	4.64	4.64	4.63	4.7												
	Amps	9.95	9.94	9.91	10.0	11.34	11.33	11.31	11.4	12.90	12.89	12.87	13.0	14.59	14.58	14.56	14.7	16.48	16.46	16.44	16.5	18.69	18.68	18.65	18.8												
1300	Hi PR	278	279	281	285.6	320	322	323	328.1	365	366	368	372.6	413	414	416	420.6	465	466	468	472.3	520	521	523	527.5												
	Lo PR	135	137	140	145.6	143	145	148	153.4	150	151	155	160.1	156	157	160	165.8	161	163	166	171.5	168	170	173	178.5												

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)

EXPANDED COOLING DATA — GPCM34831

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	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	1200	MBh	45.5	46.1	47.5	-	45.1	45.7	47.1	-	43.9	44.5	45.9	-	41.8	42.5	43.8	-	39.3	39.9	41.3	-	37.0	37.6	39.0	-	
		S/T	0.57	0.49	0.35	-	0.58	0.50	0.36	-	0.60	0.52	0.38	-	1.00	0.54	0.40	-	1.00	0.57	0.43	-	1.00	0.62	0.48	-	
		ΔT	19.96	18.18	14.87	-	19.91	18.13	14.82	-	20.16	18.38	15.07	-	19.89	18.12	14.80	-	19.65	17.88	14.56	-	20.76	18.99	15.68	-	
	1500	kW	3.01	3.01	3.00	-	3.39	3.38	3.38	-	3.80	3.80	3.79	-	4.26	4.25	4.25	-	4.76	4.76	4.75	-	5.35	5.35	5.34	-	
		Amps	11.06	11.04	11.02	-	12.68	12.67	12.64	-	14.50	14.49	14.46	-	16.46	16.45	16.42	-	18.66	18.64	18.62	-	21.23	21.22	21.19	-	
		Hi PR	283	284	286	-	328	329	331	-	375	376	378	-	426	427	429	-	480	482	484	-	539	540	542	-	
	1800	Lo PR	126	128	131	-	134	136	139	-	141	143	146	-	147	148	152	-	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	0.68	0.61	0.47	-	0.69	0.61	0.47	-	1.00	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.68	0.54	-	1.00	1.00	0.59	-	
	75	1200	ΔT	18.12	16.34	13.03	-	18.07	16.29	12.98	-	18.32	16.54	13.23	-	18.05	16.28	12.96	-	17.81	16.04	12.73	-	18.92	17.15	13.84	-
			kW	3.05	3.04	3.04	-	3.42	3.42	3.41	-	3.84	3.83	3.83	-	4.29	4.29	4.28	-	4.79	4.79	4.78	-	5.39	5.38	5.38	-
			Amps	11.20	11.19	11.16	-	12.83	12.82	12.79	-	14.64	14.63	14.60	-	16.61	16.60	16.57	-	18.80	18.79	18.76	-	21.38	21.36	21.34	-
1500		Hi PR	287	288	290	-	332	333	335	-	379	380	382	-	430	431	433	-	484	486	488	-	543	544	546	-	
		Lo PR	129	131	134	-	137	139	142	-	144	146	149	-	150	151	155	-	155	157	160	-	162	164	167	-	
		MBh	47.6	48.3	49.6	-	47.2	47.8	49.2	-	46.0	46.6	48.0	-	43.9	44.6	46.0	-	41.4	42.1	43.4	-	39.1	39.8	41.2	-	
1800		S/T	0.73	0.65	0.51	-	0.73	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.73	0.59	-	1.00	1.00	0.64	-	
		ΔT	16.73	14.95	11.64	-	16.68	14.90	11.59	-	16.93	15.15	11.84	-	16.66	14.88	11.57	-	16.42	14.65	11.33	-	17.53	15.76	12.44	-	
		kW	3.07	3.07	3.06	-	3.44	3.44	3.44	-	3.86	3.86	3.85	-	4.31	4.31	4.30	-	4.82	4.82	4.81	-	5.41	5.41	5.40	-	
75		1200	Amps	11.31	11.30	11.27	-	12.94	12.92	12.90	-	14.75	14.74	14.71	-	16.72	16.70	16.68	-	18.91	18.90	18.87	-	21.49	21.47	21.45	-
			Hi PR	291	292	294	-	336	337	339	-	383	384	386	-	434	435	437	-	488	489	491	-	547	548	550	-
			Lo PR	133	134	138	-	141	142	145	-	147	149	152	-	153	155	158	-	159	160	164	-	166	167	171	-
75	1200	MBh	45.5	46.1	47.5	49.6	45.1	45.7	47.1	49.2	43.9	44.5	45.9	48.0	41.8	42.5	43.8	45.9	39.3	40.0	41.3	43.4	37.0	37.7	39.0	41.1	
		S/T	0.70	0.62	0.49	0.3	1.00	0.63	0.49	0.3	1.00	0.66	0.52	0.4	1.00	0.68	0.54	0.4	1.00	0.70	0.56	0.4	1.00	1.00	0.61	0.5	
		ΔT	23.86	22.08	18.77	15.3	23.81	22.04	18.72	15.3	24.06	22.28	18.97	15.5	23.79	22.02	18.70	15.3	23.56	21.78	18.47	15.0	24.67	22.89	19.58	16.1	
	1500	kW	3.01	3.01	3.00	3.0	3.38	3.38	3.37	3.4	3.80	3.80	3.79	3.8	4.25	4.25	4.24	4.3	4.76	4.75	4.75	4.8	5.35	5.35	5.34	5.4	
		Amps	11.05	11.03	11.01	11.1	12.67	12.66	12.63	12.8	14.49	14.48	14.45	14.6	16.45	16.44	16.41	16.5	18.65	18.63	18.61	18.7	21.22	21.21	21.18	21.3	
		Hi PR	283	285	287	291.6	328	330	332	336.5	375	377	379	383.6	426	427	429	434.3	481	482	484	488.9	539	540	542	547.3	
	1800	Lo PR	126	128	131	136.7	134	136	139	144.5	141	143	146	151.3	147	148	152	157.0	152	154	157	162.7	159	161	164	169.7	
		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	0.74	0.61	0.5	1.00	0.77	0.63	0.5	1.00	0.79	0.65	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.73	0.6	
	75	1200	ΔT	22.02	20.24	16.93	13.5	21.97	20.20	16.88	13.4	22.22	20.45	17.13	13.7	21.95	20.18	16.86	13.4	21.72	19.94	16.63	13.2	22.83	21.05	17.74	14.3
			kW	3.04	3.04	3.03	3.1	3.42	3.41	3.41	3.4	3.83	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	11.19	11.18	11.15	11.3	12.82	12.81	12.78	12.9	14.63	14.62	14.59	14.7	16.60	16.58	16.56	16.7	18.79	18.78	18.75	18.9	21.37	21.35	21.33	21.5
1500	Hi PR	287	289	291	295.6	332	334	336	340.5	379	381	383	387.6	430	431	433	438.3	485	486	488	492.9	543	544	546	551.2		
	Lo PR	129	131	134	139.7	137	139	142	147.4	144	146	149	154.2	150	151	155	160.0	155	157	160	165.6	162	164	167	172.7		
	MBh	47.6	48.3	49.6	51.7	47.2	47.9	49.2	51.3	46.0	46.7	48.0	50.1	44.0	44.6	46.0	48.1	41.5	42.1	43.5	45.6	39.2	39.8	41.2	43.3		
1800	S/T	0.86	0.78	0.64	0.5	1.00	0.79	0.65	0.5	1.00	0.82	0.68	0.5	1.00	1.00	0.70	0.5	1.00	1.00	0.72	0.6	1.00	1.00	0.77	0.6		
	ΔT	20.63	18.85	15.54	12.1	20.58	18.80	15.49	12.1	20.83	19.05	15.74	12.3	20.56	18.79	15.47	12.0	20.32	18.55	15.24	11.8	21.43	19.66	16.35	12.9		
	kW	3.07	3.07	3.06	3.1	3.44	3.44	3.43	3.5	3.86	3.86	3.85	3.9	4.31	4.31	4.30	4.3	4.82	4.81	4.81	4.8	5.41	5.41	5.40	5.4		
75	1200	Amps	11.30	11.29	11.26	11.4	12.93	12.91	12.89	13.0	14.74	14.73	14.70	14.8	16.71	16.69	16.67	16.8	18.90	18.89	18.86	19.0	21.48	21.46	21.44	21.6	
		Hi PR	291	292	294	299.4	336	337	339	344.3	383	384	386	391.4	434	435	437	442.1	488	490	492	496.7	547	548	550	555.0	
		Lo PR	133	134	138	143.1	141	142	145	150.9	147	149	152	157.7	153	155	158	163.4	159	160	164	169.1	166	167	171	176.1	

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)

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	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	45.7	46.4	47.7	49.8	45.3	46.0	47.3	49.4	44.1	44.8	46.1	48.2	42.1	42.7	44.1	46.2	39.6	40.2	41.6	43.7	37.3	37.9	39.3	41.4
	S/T	1.00	0.75	0.61	0.5	1.00	0.76	0.62	0.5	1.00	0.65	0.5	0.5	1.00	1.00	0.67	0.5	1.00	1.00	0.69	0.5	1.00	1.00	0.74	0.6
	ΔT	27.79	26.01	22.70	19.3	27.74	25.96	22.65	19.2	27.99	26.21	22.90	19.5	27.72	25.95	22.63	19.2	27.48	25.71	22.40	19.0	28.59	26.82	23.51	20.1
	kW	3.01	3.01	3.00	3.0	3.39	3.38	3.38	3.4	3.80	3.79	3.8	3.80	4.26	4.25	4.25	4.3	4.76	4.76	4.75	4.8	5.35	5.35	5.34	5.4
	Amps	11.06	11.04	11.02	11.1	12.68	12.67	12.64	12.8	14.50	14.48	14.46	14.6	16.46	16.45	16.42	16.5	18.66	18.64	18.62	18.7	21.23	21.22	21.19	21.3
	Hi PR	284	285	287	292.1	329	330	332	337.1	376	377	379	384.1	427	428	430	434.8	481	482	484	489.5	540	541	543	547.8
	Lo PR	127	129	132	137.3	135	136	140	145.0	142	143	146	151.8	147	149	152	157.6	153	155	158	163.2	160	162	165	170.3
	MBh	46.6	47.3	48.7	50.8	46.2	46.9	48.3	50.3	45.0	45.7	47.1	49.1	43.0	43.6	45.0	47.1	40.5	41.1	42.5	44.6	38.2	38.8	40.2	42.3
	S/T	1.00	0.87	0.73	0.6	1.00	0.87	0.73	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	1.00	0.7
	ΔT	25.95	24.17	20.86	17.4	25.90	24.12	20.81	17.4	26.15	24.37	21.06	17.6	25.88	24.11	20.79	17.4	25.64	23.87	20.56	17.1	26.76	24.98	21.67	18.2
kW	3.05	3.04	3.04	3.1	3.42	3.42	3.41	3.4	3.84	3.83	3.83	3.9	4.29	4.29	4.28	4.3	4.79	4.79	4.78	4.8	5.39	5.38	5.38	5.4	
Amps	11.20	11.19	11.16	11.3	12.83	12.81	12.79	12.9	14.64	14.63	14.60	14.7	16.61	16.59	16.57	16.7	18.80	18.79	18.76	18.9	21.38	21.36	21.33	21.5	
Hi PR	288	289	291	296.1	333	334	336	341.0	380	381	383	388.1	431	432	434	438.8	485	486	488	493.4	544	545	547	551.8	
Lo PR	130	132	135	140.2	138	139	143	148.0	145	146	149	154.8	150	152	155	160.5	156	157	161	166.2	163	165	168	173.2	
MBh	47.9	48.5	49.9	52.0	47.5	48.1	49.5	51.6	46.3	46.9	48.3	50.4	44.2	44.9	46.2	48.3	41.7	42.3	43.7	45.8	39.4	40.0	41.4	43.5	
S/T	1.00	0.91	0.77	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.80	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8	
ΔT	24.56	22.78	19.47	16.0	24.51	22.73	19.42	16.0	24.76	22.98	19.67	16.2	24.49	22.71	19.40	16.0	24.25	22.48	19.16	15.7	25.36	23.59	20.28	16.8	
kW	3.07	3.07	3.06	3.1	3.44	3.44	3.43	3.5	3.86	3.86	3.85	3.9	4.31	4.31	4.30	4.3	4.82	4.82	4.81	4.8	5.41	5.41	5.40	5.4	
Amps	11.31	11.30	11.27	11.4	12.94	12.92	12.89	13.0	14.75	14.74	14.71	14.8	16.71	16.70	16.67	16.8	18.91	18.90	18.87	19.0	21.48	21.47	21.44	21.6	
Hi PR	292	293	295	299.9	337	338	340	344.8	384	385	387	391.9	434	436	438	442.6	489	490	492	497.2	547	549	551	555.5	
Lo PR	133	135	138	143.7	141	143	146	151.4	148	150	153	158.2	154	155	159	164.0	159	161	164	169.6	166	168	171	176.7	

85	MBh	46.5	47.1	48.5	50.6	46.1	46.7	48.1	50.2	44.9	45.5	46.9	49.0	42.8	43.5	44.9	46.9	40.3	41.0	42.3	44.4	38.0	38.7	40.0	42.1
	S/T	1.00	0.86	0.72	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	1.00	0.6	1.00	1.00	1.00	0.7
	ΔT	31.27	29.50	26.18	22.8	31.22	29.45	26.13	22.7	31.47	29.70	26.38	23.0	31.20	29.43	26.12	22.7	30.97	29.19	25.88	22.4	32.08	30.30	26.99	23.6
	kW	3.02	3.02	3.01	3.0	3.39	3.39	3.38	3.4	3.81	3.81	3.80	3.8	4.26	4.26	4.25	4.3	4.77	4.76	4.76	4.8	5.36	5.36	5.35	5.4
	Amps	11.09	11.07	11.05	11.2	12.71	12.70	12.67	12.8	14.53	14.52	14.49	14.6	16.49	16.48	16.45	16.6	18.69	18.67	18.65	18.8	21.26	21.25	21.22	21.3
	Hi PR	285	287	289	293.5	330	331	333	338.4	377	379	381	385.5	428	429	431	436.2	483	484	486	490.8	541	542	544	549.1
	Lo PR	129	131	134	139.2	137	138	142	147.0	143	145	148	153.7	149	151	154	159.5	155	156	160	165.1	162	164	167	172.2
	MBh	47.4	48.1	49.4	51.5	47.0	47.7	49.0	51.1	45.8	46.5	47.8	49.9	43.8	44.4	45.8	47.9	41.2	41.9	43.3	45.3	38.9	39.6	41.0	43.1
	S/T	1.00	0.97	0.83	0.7	1.00	1.00	0.84	0.7	1.00	1.00	0.86	0.7	1.00	1.00	0.88	0.7	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
	ΔT	29.43	27.66	24.34	20.9	29.38	27.61	24.30	20.9	29.63	27.86	24.54	21.1	29.37	27.59	24.28	20.8	29.13	27.35	24.04	20.6	30.24	28.46	25.15	21.7
kW	3.05	3.05	3.04	3.1	3.43	3.42	3.42	3.4	3.84	3.84	3.83	3.9	4.30	4.29	4.29	4.3	4.80	4.80	4.79	4.8	5.39	5.39	5.38	5.4	
Amps	11.23	11.22	11.19	11.3	12.86	12.84	12.82	12.9	14.67	14.66	14.63	14.8	16.64	16.62	16.60	16.7	18.83	18.82	18.79	18.9	21.41	21.39	21.37	21.5	
Hi PR	289	290	292	297.5	334	335	337	342.4	381	382	384	389.5	432	433	435	440.1	487	488	490	494.8	545	546	548	553.1	
Lo PR	132	133	137	142.1	140	141	144	149.9	146	147	151	156.7	152	154	157	162.4	158	159	163	168.1	165	166	170	175.1	
MBh	48.6	49.3	50.7	52.7	48.2	48.9	50.2	52.3	47.0	47.7	49.1	51.1	45.0	45.6	47.0	49.1	42.5	43.1	44.5	46.6	40.2	40.8	42.2	44.3	
S/T	1.00	1.00	0.88	0.7	1.00	1.00	0.88	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	1.00	1.00	1.00	0.9	
ΔT	28.04	26.27	22.95	19.5	27.99	26.22	22.90	19.5	28.24	26.47	23.15	19.7	27.97	26.20	22.89	19.5	27.74	25.96	22.65	19.2	28.85	27.07	23.76	20.3	
kW	3.08	3.07	3.07	3.1	3.45	3.45	3.44	3.5	3.87	3.87	3.86	3.9	4.32	4.32	4.31	4.3	4.83	4.82	4.82	4.8	5.42	5.41	5.41	5.4	
Amps	11.34	11.33	11.30	11.4	12.97	12.95	12.93	13.1	14.78	14.77	14.74	14.9	16.75	16.73	16.71	16.8	18.94	18.93	18.90	19.0	21.52	21.50	21.47	21.6	
Hi PR	293	294	296	301.2	338	339	341	346.2	385	386	388	393.2	436	437	439	443.9	490	492	494	498.6	549	550	552	556.9	
Lo PR	135	137	140	145.6	143	145	148	153.4	150	151	155	160.2	156	157	160	165.9	161	163	166	171.5	168	170	173	178.6	

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)

EXPANDED COOLING DATA — GPCM36031

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
70	MBh	55.7	56.5	58.2	-	55.2	56.0	57.6	-	53.7	54.5	56.2	-	51.2	52.0	53.7	-	48.1	48.9	50.6	-	45.3	46.1	47.8	-
	S/T	0.55	0.48	0.35	-	0.56	0.48	0.35	-	0.58	0.51	0.38	-	0.60	0.53	0.40	-	1.00	0.55	0.42	-	1.00	0.60	0.47	-
	ΔT	20.18	18.36	14.97	-	20.13	18.31	14.92	-	20.39	18.57	15.17	-	20.11	18.29	14.90	-	19.87	18.05	14.66	-	21.01	19.19	15.80	-
	kW	3.68	3.67	3.67	-	4.14	4.13	4.13	-	4.65	4.65	4.64	-	5.21	5.20	5.20	-	5.83	5.82	5.82	-	6.56	6.55	6.55	-
	Amps	13.44	13.42	13.39	-	15.44	15.42	15.39	-	17.67	17.66	17.62	-	20.09	20.08	20.04	-	22.79	22.78	22.74	-	25.96	25.94	25.91	-
	Hi PR	275	276	278	-	318	319	321	-	364	365	367	-	413	414	416	-	466	467	469	-	522	523	525	-
	Lo PR	120	121	125	-	127	129	132	-	134	135	138	-	139	141	144	-	145	146	149	-	151	153	156	-
	MBh	56.7	57.5	59.2	-	56.2	57.0	58.7	-	54.7	55.5	57.2	-	52.2	53.0	54.7	-	49.1	49.9	51.6	-	46.3	47.1	48.8	-
	S/T	0.64	0.57	0.44	-	0.65	0.57	0.44	-	0.67	0.60	0.47	-	0.69	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.69	0.56	-
	ΔT	18.56	16.74	13.34	-	18.51	16.69	13.29	-	18.76	16.94	13.55	-	18.49	16.67	13.28	-	18.24	16.43	13.03	-	19.38	17.56	14.17	-
kW	3.71	3.71	3.70	-	4.17	4.17	4.16	-	4.69	4.68	4.67	-	5.24	5.24	5.23	-	5.86	5.86	5.85	-	6.59	6.59	6.58	-	
Amps	13.59	13.58	13.54	-	15.59	15.58	15.54	-	17.83	17.81	17.78	-	20.24	20.23	20.19	-	22.95	22.93	22.90	-	26.11	26.10	26.06	-	
Hi PR	278	279	281	-	322	323	325	-	367	368	370	-	416	417	419	-	469	470	472	-	526	527	529	-	
Lo PR	122	124	127	-	130	131	134	-	136	138	141	-	142	143	146	-	147	148	152	-	154	155	158	-	
MBh	58.0	58.8	60.4	-	57.5	58.3	59.9	-	56.0	56.8	58.5	-	53.5	54.3	56.0	-	50.4	51.2	52.9	-	47.6	48.4	50.1	-	
S/T	0.68	0.61	0.48	-	0.69	0.61	0.48	-	0.71	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.68	0.55	-	1.00	0.73	0.60	-	
ΔT	17.28	15.47	12.07	-	17.23	15.42	12.02	-	17.49	15.67	12.28	-	17.22	15.40	12.00	-	16.97	15.15	11.76	-	18.11	16.29	12.90	-	
kW	3.74	3.74	3.73	-	4.20	4.20	4.19	-	4.71	4.71	4.70	-	5.27	5.27	5.26	-	5.89	5.89	5.88	-	6.62	6.62	6.61	-	
Amps	13.71	13.70	13.66	-	15.71	15.70	15.66	-	17.95	17.93	17.90	-	20.36	20.35	20.31	-	23.06	23.05	23.01	-	26.23	26.22	26.18	-	
Hi PR	281	282	284	-	325	326	328	-	370	371	373	-	419	421	423	-	472	473	475	-	529	530	532	-	
Lo PR	125	127	130	-	133	134	137	-	139	141	144	-	145	146	149	-	150	151	154	-	157	158	161	-	

75	MBh	55.7	56.5	58.2	60.7	55.2	56.0	57.7	60.2	53.8	54.5	56.2	58.8	51.2	52.0	53.7	56.3	48.2	49.0	50.6	53.2	45.4	46.2	47.8	50.4
	S/T	0.67	0.60	0.47	0.3	0.68	0.61	0.48	0.3	1.00	0.63	0.50	0.4	1.00	0.65	0.52	0.4	1.00	0.67	0.54	0.4	1.00	0.72	0.59	0.5
	ΔT	24.18	22.36	18.96	15.4	24.13	22.31	18.91	15.4	24.38	22.56	19.17	15.7	24.11	22.29	18.90	15.4	23.86	22.05	18.65	15.1	25.00	23.18	19.79	16.3
	kW	3.67	3.67	3.66	3.7	4.13	4.13	4.12	4.2	4.65	4.64	4.64	4.7	5.20	5.20	5.19	5.2	5.83	5.82	5.81	5.8	6.55	6.55	6.54	6.6
	Amps	13.43	13.41	13.38	13.5	15.43	15.41	15.38	15.5	17.66	17.65	17.61	17.8	20.08	20.06	20.03	20.2	22.78	22.76	22.73	22.9	25.95	25.93	25.90	26.0
	Hi PR	275	276	278	282.8	318	320	322	326.3	364	365	367	371.9	413	414	416	421.0	466	467	469	473.9	522	524	526	530.3
	Lo PR	120	121	125	129.7	127	129	132	137.0	134	135	138	143.5	139	141	144	148.9	145	146	149	154.2	151	153	156	160.9
	MBh	56.7	57.5	59.2	61.7	56.2	57.0	58.7	61.2	54.8	55.6	57.2	59.8	52.2	53.0	54.7	57.3	49.2	50.0	51.6	54.2	46.4	47.2	48.8	51.4
	S/T	0.80	0.73	0.60	0.5	0.81	0.74	0.61	0.5	1.00	0.72	0.59	0.5	1.00	0.74	0.61	0.5	1.00	0.76	0.63	0.5	1.00	1.00	0.88	0.5
	ΔT	22.55	20.73	17.34	13.8	22.50	20.68	17.29	13.8	22.76	20.94	17.55	14.0	22.48	20.67	17.27	13.8	22.24	20.42	17.03	13.5	23.38	21.56	18.17	14.7
kW	3.71	3.71	3.70	3.7	4.17	4.17	4.16	4.2	4.68	4.68	4.67	4.7	5.24	5.24	5.23	5.3	5.86	5.86	5.85	5.9	6.59	6.59	6.58	6.6	
Amps	13.58	13.56	13.53	13.7	15.58	15.57	15.53	15.7	17.81	17.80	17.76	17.9	20.23	20.22	20.18	20.3	22.93	22.92	22.88	23.0	26.10	26.08	26.05	26.2	
Hi PR	278	279	281	286.2	322	323	325	329.7	367	369	370	375.3	416	418	420	424.3	469	471	472	477.2	526	527	529	533.7	
Lo PR	122	124	127	132.2	130	131	134	139.5	136	138	141	145.9	142	143	146	151.4	147	149	152	156.7	154	155	158	163.4	
MBh	58.0	58.8	60.5	63.0	57.5	58.3	60.0	62.5	56.1	56.8	58.5	61.1	53.5	54.3	56.0	58.6	50.5	51.3	52.9	55.5	47.7	48.5	50.1	52.7	
S/T	0.80	0.73	0.60	0.5	0.81	0.74	0.61	0.5	1.00	0.76	0.63	0.5	1.00	0.78	0.65	0.5	1.00	0.80	0.67	0.5	1.00	1.00	0.72	0.6	
ΔT	21.28	19.46	16.07	12.6	21.23	19.41	16.02	12.5	21.49	19.67	16.27	12.8	21.21	19.39	16.00	12.5	20.97	19.15	15.76	12.2	22.11	20.29	16.90	13.4	
kW	3.74	3.73	3.73	3.8	4.20	4.19	4.19	4.2	4.71	4.71	4.70	4.7	5.27	5.26	5.26	5.3	5.89	5.88	5.88	5.9	6.62	6.61	6.61	6.6	
Amps	13.70	13.68	13.65	13.8	15.70	15.69	15.65	15.8	17.93	17.92	17.88	18.0	20.35	20.34	20.30	20.5	23.05	23.04	23.00	23.2	26.22	26.20	26.17	26.3	
Hi PR	281	283	285	289.4	325	326	328	332.9	371	372	374	378.5	420	421	423	427.6	473	474	476	480.5	529	530	532	536.9	
Lo PR	125	127	130	135.0	133	134	137	142.4	139	141	144	148.8	145	146	149	154.2	150	151	154	159.6	157	158	161	166.3	

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)

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	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	56.0	56.8	58.5	61.0	55.5	56.3	58.0	60.5	54.0	54.0	54.0	54.0	51.5	52.3	54.0	56.6	48.5	49.3	50.9	53.5	45.7	46.4	48.1	50.7
	S/T	0.79	0.72	0.59	0.5	1.00	0.73	0.60	0.5	1.00	0.77	0.64	0.5	1.00	0.77	0.64	0.5	1.00	1.00	0.66	0.5	1.00	1.00	0.71	0.6
	ΔT	28.20	26.38	22.99	19.5	28.15	26.33	22.94	19.4	28.40	26.59	23.19	19.7	28.13	26.31	22.92	19.4	27.89	26.07	22.68	19.2	29.03	27.21	23.81	20.3
	kW	3.68	3.67	3.67	3.7	4.14	4.13	4.13	4.2	4.65	4.65	4.64	4.7	5.21	5.20	5.19	5.2	5.83	5.82	5.82	5.9	6.56	6.55	6.54	6.6
	Amps	13.44	13.42	13.39	13.5	15.44	15.42	15.39	15.5	17.67	17.66	17.62	17.8	20.09	20.07	20.04	20.2	22.79	22.77	22.74	22.9	25.96	25.94	25.91	26.1
	Hi PR	275	277	279	283.3	319	320	322	326.8	364	366	368	372.4	414	415	417	421.5	466	468	470	474.4	523	524	526	530.8
	Lo PR	121	122	125	130.2	128	129	132	137.6	134	136	139	144.0	140	141	144	149.4	145	147	150	154.8	152	153	156	161.5
	MBh	57.0	57.8	59.5	62.0	56.5	57.3	59.0	61.5	55.1	55.8	57.5	60.1	52.5	53.3	55.0	57.6	49.5	50.3	51.9	54.5	46.7	47.5	49.1	51.7
	S/T	1.00	0.81	0.68	0.5	1.00	0.82	0.69	0.6	1.00	0.84	0.71	0.6	1.00	0.86	0.73	0.6	1.00	1.00	0.75	0.6	1.00	1.00	0.80	0.7
	ΔT	26.57	24.76	21.36	17.8	26.53	24.71	21.31	17.8	26.78	24.96	21.57	18.1	26.51	24.69	21.30	17.8	26.26	24.45	21.05	17.5	27.40	25.58	22.19	18.7
kW	3.71	3.71	3.70	3.7	4.17	4.17	4.16	4.2	4.69	4.68	4.67	4.7	5.24	5.24	5.23	5.3	5.86	5.86	5.85	5.9	6.59	6.59	6.58	6.6	
Amps	13.59	13.58	13.54	13.7	15.59	15.58	15.54	15.7	17.83	17.81	17.78	17.9	20.24	20.23	20.19	20.3	22.94	22.93	22.89	23.0	26.11	26.09	26.06	26.2	
Hi PR	279	280	282	286.7	322	323	325	330.2	368	369	371	375.8	417	418	420	424.8	470	471	473	477.8	526	527	529	534.2	
Lo PR	123	124	128	132.7	130	132	135	140.1	137	138	141	146.5	142	144	147	151.9	148	149	152	157.3	154	156	159	163.9	
MBh	58.3	59.1	60.8	63.3	57.8	58.6	60.3	62.8	56.3	57.1	58.8	61.4	53.8	54.6	56.3	58.8	50.8	51.6	53.2	55.8	48.0	48.7	50.4	53.0	
S/T	1.00	0.85	0.72	0.6	1.00	0.86	0.73	0.6	1.00	0.88	0.75	0.6	1.00	1.00	0.77	0.6	1.00	1.00	0.79	0.7	1.00	1.00	0.84	0.7	
ΔT	25.30	23.49	20.09	16.6	25.25	23.44	20.04	16.5	25.51	23.69	20.30	16.8	25.23	23.42	20.02	16.5	24.99	23.17	19.78	16.3	26.13	24.31	20.92	17.4	
kW	3.74	3.74	3.73	3.8	4.20	4.20	4.19	4.2	4.71	4.71	4.70	4.7	5.27	5.27	5.26	5.3	5.89	5.89	5.88	5.9	6.62	6.62	6.61	6.6	
Amps	13.71	13.69	13.66	13.8	15.71	15.70	15.66	15.8	17.94	17.93	17.89	18.0	20.36	20.35	20.31	20.5	23.06	23.05	23.01	23.2	26.23	26.21	26.18	26.3	
Hi PR	282	283	285	289.9	325	327	329	333.4	371	372	374	379.0	420	421	423	428.1	473	474	476	481.0	529	531	533	537.4	
Lo PR	126	127	130	135.6	133	135	138	142.9	140	141	144	149.3	145	147	150	154.8	150	152	155	160.1	157	159	162	166.8	

85	MBh	57.0	57.7	59.4	62.0	56.5	57.2	58.9	61.5	55.0	55.8	57.5	60.1	52.5	53.3	54.9	57.5	49.4	50.2	51.9	54.4	46.6	47.4	49.1	51.6
	S/T	1.00	0.82	0.69	0.6	1.00	0.83	0.69	0.6	1.00	1.00	0.72	0.6	1.00	1.00	0.74	0.6	1.00	1.00	0.76	0.6	1.00	1.00	0.81	0.7
	ΔT	31.77	29.95	26.56	23.0	31.72	29.90	26.51	23.0	31.97	30.16	26.76	23.2	31.70	29.88	26.49	23.0	31.46	29.64	26.25	22.7	32.59	30.78	27.38	23.9
	kW	3.69	3.68	3.67	3.7	4.15	4.14	4.13	4.2	4.66	4.66	4.65	4.7	5.22	5.21	5.20	5.2	5.84	5.83	5.82	5.9	6.56	6.56	6.55	6.6
	Amps	13.48	13.46	13.43	13.6	15.48	15.46	15.43	15.6	17.71	17.69	17.66	17.8	20.13	20.11	20.08	20.2	22.83	22.81	22.78	22.9	26.00	25.98	25.95	26.1
	Hi PR	277	278	280	284.6	320	321	323	328.1	366	367	369	373.7	415	416	418	422.8	468	469	471	475.7	524	525	527	532.1
	Lo PR	122	124	127	132.0	130	131	134	139.4	136	138	141	145.8	142	143	146	151.3	147	148	151	156.6	154	155	158	163.3
	MBh	58.0	58.7	60.4	63.0	57.5	58.2	59.9	62.5	56.0	56.8	58.5	61.0	53.5	54.3	55.9	58.5	50.4	51.2	52.9	55.4	47.6	48.4	50.1	52.6
	S/T	1.00	0.91	0.78	0.6	1.00	0.92	0.78	0.6	1.00	1.00	0.81	0.7	1.00	1.00	0.83	0.7	1.00	1.00	0.85	0.7	1.00	1.00	1.00	0.8
	ΔT	30.14	28.33	24.93	21.4	30.09	28.28	24.88	21.4	30.35	28.53	25.14	21.6	30.07	28.26	24.86	21.3	29.83	28.01	24.62	21.1	30.97	29.15	25.76	22.2
kW	3.72	3.72	3.71	3.7	4.18	4.18	4.17	4.2	4.69	4.69	4.68	4.7	5.25	5.25	5.24	5.3	5.87	5.87	5.86	5.9	6.60	6.60	6.59	6.6	
Amps	13.63	13.61	13.58	13.7	15.63	15.61	15.58	15.7	17.86	17.85	17.81	18.0	20.28	20.26	20.23	20.4	22.98	22.97	22.93	23.1	26.15	26.13	26.10	26.3	
Hi PR	280	281	283	288.0	324	325	327	331.5	369	370	372	377.1	418	419	421	426.1	471	472	474	479.1	528	529	531	535.5	
Lo PR	125	126	129	134.5	132	134	137	141.9	139	140	143	148.3	144	146	149	153.7	149	151	154	159.1	156	158	161	165.7	
MBh	59.3	60.0	61.7	64.3	58.8	59.5	61.2	63.8	57.3	58.1	59.8	62.3	54.8	55.6	57.2	59.8	51.7	52.5	54.2	56.7	48.9	49.7	51.4	53.9	
S/T	1.00	0.95	0.82	0.7	1.00	1.00	0.82	0.7	1.00	1.00	0.85	0.7	1.00	1.00	0.87	0.7	1.00	1.00	0.89	0.8	1.00	1.00	1.00	0.8	
ΔT	28.87	27.05	23.66	20.1	28.82	27.00	23.61	20.1	29.08	27.26	23.87	20.4	28.80	26.99	23.59	20.1	28.56	26.74	23.35	19.8	29.70	27.88	24.49	21.0	
kW	3.75	3.74	3.74	3.8	4.21	4.20	4.20	4.2	4.72	4.72	4.71	4.7	5.28	5.27	5.27	5.3	5.90	5.90	5.89	5.9	6.63	6.62	6.62	6.7	
Amps	13.75	13.73	13.70	13.9	15.75	15.73	15.70	15.9	17.98	17.97	17.93	18.1	20.40	20.38	20.35	20.5	23.10	23.08	23.05	23.2	26.27	26.25	26.22	26.4	
Hi PR	283	284	286	291.2	327	328	330	334.7	372	374	375	380.3	421	423	425	429.4	474	476	477	482.3	531	532	534	538.7	
Lo PR	128	129	132	137.4	135	136	140	144.7	141	143	146	151.1	147	148	151	156.6	152	154	157	161.9	159	160	163	168.6	

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)

HORIZONTAL POSITION											
MODEL	MOTOR TAP	VOLTS		E.S.P. (In. of H2O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPCM3 2431**	T1	230	CFM	580	505	445	390	320	-	-	-
			Watts	36	46	54	60	65	-	-	-
	T2/T3	230	CFM	1101	1048	993	935	874	785	740	651
			Watts	140	146	152	159	167	214	207	212
	T4/T5	230	CFM	1230	1190	1140	1095	1040	990	920	850
			Watts	202	212	220	233	235	243	249	262
GPCM3 3031**	T1	230	CFM	-	550	475	415	340	270	-	-
			Watts	-	50	59	66	74	77	-	-
	T2/T3	230	CFM	1357	1297	1241	1188	1136	1081	1022	962
			Watts	241	252	264	271	278	286	292	299
	T4/T5	230	CFM	1345	1305	1260	1220	1180	1125	1080	975
			Watts	258	273	272	283	292	298	306	310
GPCM3 3631**	T1	230	CFM	1070	1030	980	935	870	775	720	665
			Watts	145	161	165	173	181	190	198	202
	T2/T3	230	CFM	1432	1382	1332	1286	1242	1198	1136	1084
			Watts	225	235	248	258	270	281	291	304
	T4/T5	230	CFM	1505	1465	1420	1385	1335	1300	1250	1205
			Watts	359	371	384	383	393	398	406	416
GPCM3 4231**	T1	230	CFM	1035	995	945	895	845	790	695	630
			Watts	132	144	152	157	168	176	183	189
	T2/T3	230	CFM	1506	1460	1418	1386	1339	1300	1260	1207
			Watts	292	304	316	325	336	343	354	362
	T4/T5	230	CFM	1698	1654	1604	1558	1513	1467	1421	1370
			Watts	370	381	386	396	405	413	421	429
GPCM3 4831**	T1	230	CFM	1355	1300	1250	1210	1155	1110	1045	965
			Watts	212	228	230	246	248	261	273	282
	T2/T3	230	CFM	1745	1705	1664	1623	1586	1533	1494	1459
			Watts	414	425	437	448	460	468	475	481
	T4/T5	230	CFM	1895	1855	1805	1770	1730	1685	1640	1600
			Watts	558	558	578	584	590	594	602	612
GPCM3 6031**	T1	230	CFM	1360	1300	1260	1215	1175	1125	1085	1030
			Watts	213	221	233	244	255	264	273	293
	T2/T3	230	CFM	2001	1964	1923	1882	1840	1760	1697	1654
			Watts	544	3030	575	583	592	605	615	622
	T4/T5	230	CFM	2000	1960	1925	1875	1835	1800	1760	1725
			Watts	642	651	660	651	672	683	691	699

DOWNSHOT POSITION											
MODEL	MOTOR TAP	VOLTS		E.S.P. (In. of H2O)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
GPCM3 2431**	T1	230	CFM	545	475	418	367	301	-	-	-
			Watts	37	47	55	62	67	-	-	-
	T2/T3	230	CFM	1003	1012	950	881	818	707	702	628
			Watts	168	172	181	191	196	232	212	217
	T4/T5	230	CFM	1156	1119	1072	1029	978	931	865	799
			Watts	207	217	226	239	241	249	255	269
GPCM3 3031**	T1	230	CFM	-	517	447	390	320	254	-	-
			Watts	-	51	60	68	76	79	-	-
	T2/T3	230	CFM	1349	1285	1230	1178	1126	1067	996	919
			Watts	246	257	266	273	280	288	296	303
	T4/T5	230	CFM	1264	1227	1184	1147	1109	1058	1015	917
			Watts	264	280	279	290	299	305	314	318
GPCM3 3631**	T1	230	CFM	1006	968	921	879	818	729	677	625
			Watts	149	165	169	177	186	195	203	207
	T2/T3	230	CFM	1340	1288	1241	1248	1181	1119	1055	970
			Watts	254	224	226	261	279	289	303	330
	T4/T5	230	CFM	1415	1377	1335	1302	1255	1222	1175	1133
			Watts	368	380	394	393	403	408	416	426
GPCM3 4231**	T1	230	CFM	973	935	888	841	794	743	653	592
			Watts	135	148	156	161	172	180	188	194
	T2/T3	230	CFM	1502	1455	1404	1354	1296	1245	1227	1146
			Watts	323	333	357	352	413	481	470	447
	T4/T5	230	CFM	1596	1554	1508	1465	1423	1179	1336	1288
			Watts	379	390	395	406	415	424	432	439
GPCM3 4831**	T1	230	CFM	1274	1222	1175	1137	1086	1043	982	907
			Watts	217	234	236	252	254	268	280	289
	T2/T3	230	CFM	1750	1707	1660	1614	1569	1524	1475	1419
			Watts	406	421	433	445	457	466	473	475
	T4/T5	230	CFM	1781	1744	1697	1664	1626	1584	1542	1504
			Watts	572	572	592	599	605	609	617	627
GPCM3 6031**	T1	230	CFM	1278	1222	1184	1142	1105	1058	1020	968
			Watts	218	227	239	250	261	271	280	300
	T2/T3	230	CFM	1964	1923	1882	1840	1790	1715	1650	1607
			Watts	543	561	567	582	593	605	617	625
	T4/T5	230	CFM	1880	1842	1810	1763	1725	1692	1654	1622
			Watts	658	667	677	667	689	700	708	716

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

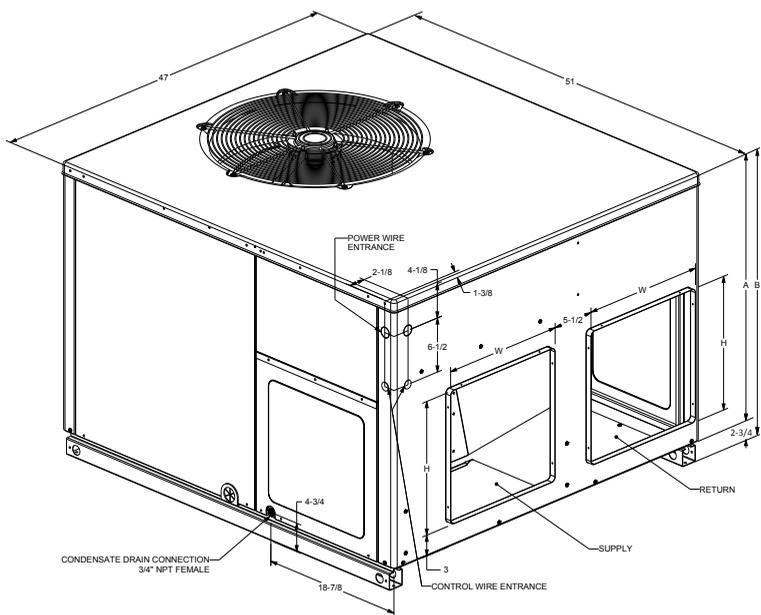
MODEL AND HEAT KIT USAGE	CIRCUIT #1		CIRCUIT #2		SINGLE-POINT KIT		ACTUAL kW
	MCA ¹	MOP ²	MCA ¹	MOP ²	MCA ¹	MOP ²	
GPCM32431							
HKTPD051	24.7	25	-	-			4.75
HKTPD081	36.5	40	-	-			7
HKTPD101	49.5	50	-	-			9.5
GPCM33031							
HKTPD051	24.7	25	-	-			4.75
HKTPD081	36.5	40	-	-			7
HKTPD101	49.5	50	-	-			9.5
HKTPD151	49.5	50	24.7	25			14.25
GPCM33631							
HKTPD051	24.7	25	-	-			4.75
HKTPD081	36.5	40	-	-			7
HKTPD101	49.5	50	-	-			9.5
HKTPD151	49.5	50	24.7	25			14.25
GPCM34231							
HKTPD051	24.7	25	-	-			4.75
HKTPD081	36.5	40	-	-			7
HKTPD101	49.5	50	-	-			9.5
HKTPD151	49.5	50	24.7	25			14.25
GPCM34831							
HKTPD051	24.7	25	-	-			4.75
HKTPD081	36.5	40	-	-			7
HKTPD101	49.5	50	-	-			9.5
HKTPD151	49.5	50	24.7	25			14.25
HKTPD191	49.5	50	49.5	50			19
GPCM36031							
HKTPD051	24.7	25	-	-			4.75
HKTPD081	36.5	40	-	-			7
HKTPD101	49.5	50	-	-			9.5
HKTPD151	49.5	50	24.7	25			14.25
HKTPD201	49.5	50	49.5	50			19

¹ Minimum Circuit Ampacity

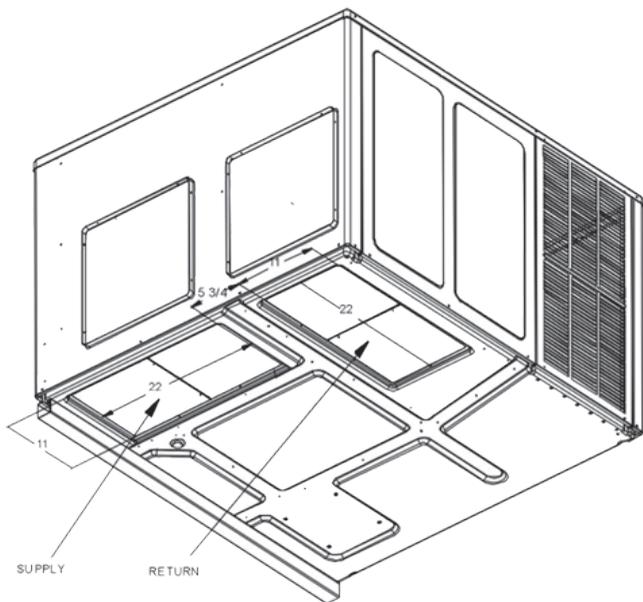
² Maximum Overcurrent Protection Device

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

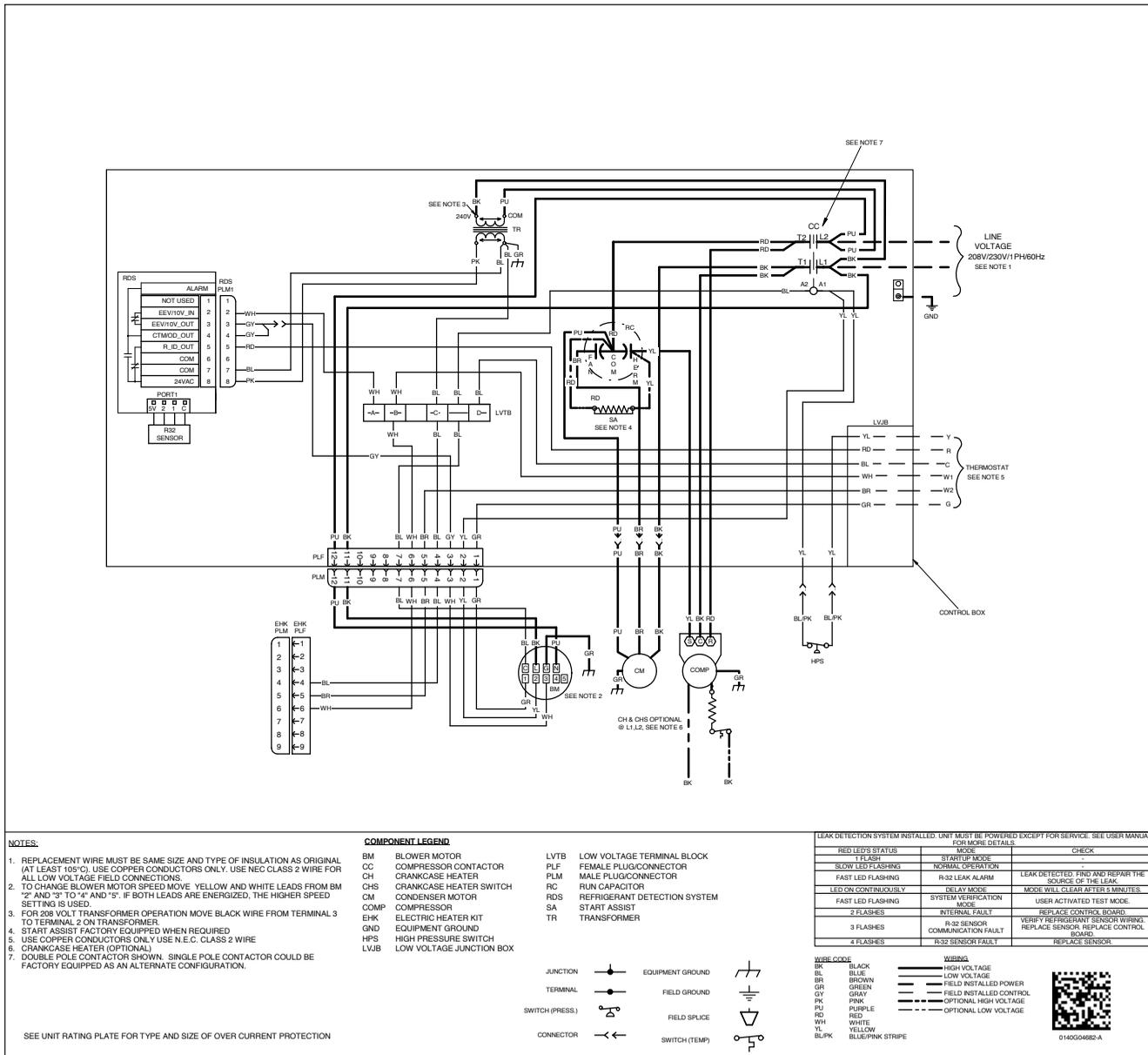


MODEL	UNIT DIMENSIONS (INCHES)				CHASSIS SIZE
			HEIGHT		
	W	D	A	B	
GPCM32431	47	51	32	34 $\frac{3}{4}$	Medium
GPCM33031	47	51	32	34 $\frac{3}{4}$	Medium
GPCM33631	47	51	32	34 $\frac{3}{4}$	Medium
GPCM34231	47	51	40	42 $\frac{3}{4}$	Large
GPCM34831	47	51	40	42 $\frac{3}{4}$	Large
GPCM36031	47	51	40	42 $\frac{3}{4}$	Large



MODEL	DUCT OPENINGS			
	SUPPLY		RETURN	
	W	H	W	H
GPCM32431	16	16	16	16
GPCM33031	16	16	16	16
GPCM33631	16	16	16	16
GPCM34231	16	18	16	18
GPCM34831	16	18	16	18
GPCM36031	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.

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
Downflow Conversion Kit**	DWNFLWCONV	DWNFLWCONV
Economizer Wiring Harness ***	0259L00411	0259L00411
External Horizontal Filter Rack	DPHFRA	DPHFRA
Horizontal Duct Cover*	20464501PDGK	20464502PDGK
Horizontal Economizer	DHZECNJPCHM	DHZECNJPCHL
Horizontal Manual Damper	PGMDH102	PGMDH103
Horizontal Motorized Damper	PGMDMH102	PGMDMH103
Horizontal Square to Round	SQRPGH101/102	SQRPGH103
Outdoor Thermostat & Emergency Heat Relay Kit	OT/EHR18-60	OT/EHR18-60
Outdoor Thermostat Kit w/ Lockout Stat	OT18-60A	OT18-60A
Roof Curb	D14CRBPGCHMA	D14CRBPGCHMA

*Required for all downflow installations.

**Either a "Downflow Economizer" or a "Downflow Conversion Kit" is mandatory for all downflow installations.

***Required for installation of Economizer Accessories

