

PGAA Series



10 SEER



CONVERTIBLE SINGLE PACKAGE GAS/ELECTRIC UNIT

SINGLE PACKAGE

- Efficiency: PGAA - 10 SEER.
- Combination gas heating and electric cooling, self-contained for year-round comfort. Systems install on rooftop or at ground level. Units are shipped complete in one carton; with only the flue gas vent requiring mounting at time of installation.

CONSTRUCTION

- Pre-painted galvanized steel cabinet with one piece weather resistant top. Galvanized steel 18 gauge base rails are integral to unit and have fork lift access holes on three sides plus holes for lifting lugs for rooftop installation.
- Coil Guard to protect condenser coil.

ACCESS PANELS

- Located to provide easy serviceability. The gas and electrical controls are behind the same exterior panel.

CONVERTIBLE DISCHARGE

- Units have side-by-side supply and return air openings for either horizontal or downflow applications. Convertible duct openings provides flexibility of installation. Simply relocate duct cover panels.

COMPRESSOR

- The high efficiency compressor has external rubber mounts to help minimize system noise and features an automatic reset current / temperature sensing overload protection system. Selected models feature scroll compressors.

COILS

- Both the condenser and evaporator coils have aluminum fins and copper tubes to promote efficient heat transfer. The refrigerant flow is controlled with capillary tubes. The refrigerant circuit is sealed, tested, and fully charged at the factory.

EXTERNALLY-MOUNTED GAUGE PORTS

- Provides easier servicing and allows for more accurate reading of operating conditions.

INDUCED DRAFT COMBUSTION

- An induced draft combustion blower is used to provide air for combustion. A safety switch is used to prove that air for combustion is being delivered to the main burners before ignition takes place.

HOT SURFACE PILOT (HSP) ELECTRONIC INTERMITTENT IGNITION DEVICE

- The hot surface pilot ignition (HSP) is more energy efficient and provides added safety of operation.

ELECTRONIC FAN CONTROL

- Adjustable electronic fan control with optional low speed continuous fan feature responds quickly to circulate heated air and provide maximum comfort.

IN-SHOT BURNERS

- New design delivers more complete, efficient combustion.

STAINLESS STEEL TUBULAR HEAT EXCHANGER

- Stainless Steel heat exchanger is more corrosion resistant for longer life and the tubular design provides efficient heat transfer.

EVAPORATOR BLOWER

- All model sizes are equipped with multiple speed direct drive blower motors to provide proper air flow for both heating and cooling requirements.

AIR FILTERS

- Air filters are not supplied with these units. Air filters, provided by the installer, can be used in the return air duct system. Accessory filter kits are available for downflow and horizontal applications.

WARRANTY

- Standard five (5) year limited warranty on parts.
- Five (5) year limited warranty on the compressor.
- Ten (10) year limited warranty on the gas fired heat exchanger.

OPTIONAL FIELD INSTALLED ACCESSORIES

- Roof Curb
- Low ambient kit
- LP Kits
- Economizer
- Air filter rack
- Hail guard

RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS
• COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED
HOME AIR CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

International Comfort Products
650 Heil-Quaker Avenue, Lewisburg, TN 37091

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3/15/05

UNIT SPECIFICATIONS

MODEL NUMBER	Electrical Data					Condenser Data								
	208 / 230 Voltage Phase - Hz	Wire Size / Max Length (Ft)	Time Delay Fuse Size	HACR Breaker / Max. Fuse	Ampacity	Coil			Fan Motor			Fan		
						Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diameter (In.)	HP	Full Load Amps	Locked Rotor Amps	Size Diameter (In.)	RPM (Max.)	CFM (Max.)
PGAA18B1KE	1-60	#12 / 66	20 amps.	20 amps.	14.00	8.35	20 / 1	3/8	1/5	1.3	2.36	20.375	1145	2250
PGAA18C1KE	1-60	#12 / 66	20 amps.	20 amps.	14.00				1/5	1.3	2.36	20.375	1145	2250
PGAA24B1KE	1-60	#12 / 57	20 amps.	25 amps.	16.50	11.47	20 / 1	3/8	1/3	1.4	3.57	20.375	1145	2250
PGAA24C1KE	1-60	#12 / 57	20 amps.	25 amps.	16.50				1/3	1.4	3.57	20.375	1145	2250
PGAA24D1KE	1-60	#12 / 56	20 amps.	25 amps.	16.70	11.47	20 / 1	3/8	1/3	1.4	3.57	20.375	1145	2250
PGAA30C1KE	1-60	#12 / 42	25 amps.	30 amps.	20.90				1/3	1.4	3.70	20.375	1135	3000
PGAA30D1KE	1-60	#12 / 42	25 amps.	30 amps.	20.90	11.47	20 / 1	3/8	1/3	1.4	3.70	20.375	1135	3000
PGAA36C1KE	1-60	#10 / 53	30 amps.	35 amps.	24.80				1/3	1.4	3.70	20.375	1135	3000
PGAA36D1KE	1-60	#10 / 53	30 amps.	35 amps.	24.80	11.47	20 / 1	3/8	1/3	1.4	3.70	20.375	1135	3000
PGAA36E1KE	1-60	#10 / 50	35 amps.	40 amps.	24.80				1/3	1.4	3.70	20.375	1135	3000
PGAA42C1KE	1-60	#8 / 61	40 amps.	50 amps.	33.30	11.47	20 / 2	3/8	1/3	1.4	3.70	20.375	1135	3000
PGAA42E1KE	1-60	#8 / 61	40 amps.	50 amps.	33.30				1/3	1.4	3.70	20.375	1135	3000
PGAA48D1KE	1-60	#8 / 60	40 amps.	60 amps.	34.10	17.2	20 / 1	3/8	1/2	1.8	6.20	22	1155	4000
PGAA48F1KE	1-60	#8 / 60	40 amps.	60 amps.	34.30				1/2	1.8	6.20	22	1155	4000
PGAA60D1KE	1-60	#6 / 72	60 amps.	60 amps.	46.20	17.2	20 / 2	3/8	3/4	2.6	9.52	22	1155	4500
PGAA60E1KE	1-60	#6 / 72	60 amps.	60 amps.	46.20				3/4	2.6	9.52	22	1155	4500
PGAA60G1KE	1-60	#6 / 70	60 amps.	60 amps.	47.20	17.2	20 / 2	3/8	3/4	2.6	9.52	22	1155	4500

MODEL NUMBER	Evaporator Coil									Compressor			Factory Refrigerant Charge R-22 (Oz.)	Shipping Weight (Lbs.)	Sound Rating
	Coil			Blower H.P. / Type / Speeds	Motor		Blower			Type	Rated Load Amps	Locked Rotor Amps			
	Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diameter (In.)		Full Load Amps	Locked Rotor Amps	Type & Size	RPM (Max)	CFM Rated						
PGAA18B1KE	3.56	14 / 2	3/8	1/6 / PSC / 3	1.5	1.81	DD10-6A	900	600	RECIP.	7.2	48	64	410	7.6
PGAA18C1KE					1.5	1.81	DD10-6A	900	600		7.2	48	64	410	
PGAA24B1KE	3.56	14 / 3	3/8	1/4 / PSC / 4	2.1	3.08	DD10-6A	1050	800	RECIP.	10.7	56	78	410	7.8
PGAA24C1KE					2.1	3.08	DD10-6A	1050	800		10.7	56	78	410	
PGAA24D1KE	3.56	14 / 3	3/8	1/3 / PSC / 3	2.3	4.10	DD10-8A	1100	800	RECIP.	10.7	56	78	410	7.8
PGAA30C1KE	3.56	15 / 3	3/8	1/3 / PSC / 3	2.3	4.10	DD10-8A	1100	900		13.7	75	74	425	
PGAA30D1KE					2.3	4.10	DD10-8A	1100	900	13.7	75	74	425		
PGAA36C1KE	3.56	14 / 4	3/8	1/2 / PSC / 3	4.0	7.50	DD10-8AT	1075	1200	SCROLL	15.5	93	64	435	7.6
PGAA36D1KE					4.0	7.50	DD10-8AT	1075	1200		15.5	93	64	435	
PGAA36E1KE	3.56	14 / 3	3/8	1/2 / PSC / 4	4.0	7.50	DD10-8AT	1075	1200	SCROLL	15.5	93	64	435	7.6
PGAA42C1KE	3.56	14 / 4	3/8	3/4 / PSC / 4	5.6	12.85	DD11-9AT	1145	1400		21.0	127	99	455	
PGAA42E1KE					5.6	12.85	DD11-9AT	1145	1400	21.0	127	99	455		
PGAA48D1KE	8.22	15 / 2	3/8	1/2 / PSC / 4	4.4	8.63	DD10-9A	1140	1600	SCROLL	22.3	131	104	600	7.8
PGAA48F1KE				1 / PSC / 3	4.6	7.94	DD11-11A	1125	1600		22.3	131	104	600	
PGAA60D1KE	8.22	14 / 3	3/8	1 / PSC / 4	5.0	8.75	DD11-11A	1125	2000	SCROLL	30.9	144	180	625	8.0
PGAA60E1KE					5.0	8.75	DD11-11A	1125	2000		30.9	144	180	625	
PGAA60G1KE					6.0	8.75	DD11-11A	1150	2000		30.9	144	180	630	

PERFORMANCE DATA: HEATING

MODEL NUMBER	Input (MBTUH)	Output (MBTUH)	Efficiency *	Temperature Rise ° F	Gas Piping Size (In.)	Transformer Size Va.
	Standard	Standard	AFUE			
			Std.			
PGAA18B1KE	40	31	78.0	35-65	1/2	40
PGAA18C1KE	60	48	78.0	35-65	1/2	40
PGAA24B1KE	40	31	78.0	35-65	1/2	40
PGAA24C1KE	60	48	78.0	35-65	1/2	40
PGAA24D1KE	80	62	78.0	35-65	1/2	40
PGAA30C1KE	60	48	78.0	35-65	1/2	40
PGAA30D1KE	80	62	78.0	35-65	1/2	40
PGAA36C1KE	60	48	78.0	35-65	1/2	40
PGAA36D1KE	80	62	78.0	35-65	1/2	40
PGAA36E1KE	100	79	78.0	35-65	1/2	40
PGAA42C1KE	60	48	78.0	35-65	1/2	40
PGAA42E1KE	100	78	78.0	35-65	1/2	40
PGAA48D1KE	80	62	78.0	35-65	1/2	40
PGAA48F1KE	120	95	78.0	35-65	1/2	40
PGAA60D1KE	80	62	78.0	35-65	1/2	40
PGAA60E1KE	100	78	78.0	35-65	1/2	40
PGAA60G1KE	140	110	78.0	35-65	1/2	40

* As determined by D.O.E. Annual Fuel Utilization Efficiency (A.F.U.E.) Rating Test. Heating capacity valid for elevations up to 2,000 feet above sea level. For elevations above 2,000 feet, rated capacity should be reduced by 4% for each 1,000 feet above sea level.

PERFORMANCE DATA: COOLING

MODEL NUMBER	Rated Capacity ¹ BTUH	S / T Ratio	S.E.E.R.	E.E.R. ³	Power Input Watts	Evaporator Rated Airflow (SCFM)	Ext. Static Pressure Drop ² Wet
PGAA18B1KE	17,000	.76	10.0	8.95	1899	600	.15
PGAA18C1KE							
PGAA24B1KE	22,800	.78	10.05	8.85	2567	800	.15
PGAA24C1KE							
PGAA24D1KE							
PGAA30C1KE	27,200	.72	10.0	8.60	3168	900	.23
PGAA30D1KE							
PGAA36C1KE	34,000	.77	10.0	8.85	3841	1200	.20
PGAA36D1KE							.20
PGAA36E1KE							.30
PGAA42C1KE	40,000	.76	10.0	8.50	4705	1400	.20
PGAA42E1KE							
PGAA48D1KE	45,000	.78	10.05	8.85	5085	1600	.30
PGAA48F1KE							.20
PGAA60D1KE	58,500	.76	10.0	8.25	7090	2000	.30
PGAA60E1KE							
PGAA60G1KE							

¹ Rated Capacity @ 230 Volts. For applications at 208 volts deduct 1000 BTU.

² Includes a .08 drop for a filter

³ For reference only

BLOWER PERFORMANCE DATA

Model Number	Motor Speed	Air Delivery in CFM * External Static Pressure (In. W.C.)					
		.20	.30	.40	.50	.60	.70
PGAA18B1KE 18C1KE	HI	820	785	750	715	670	615
	MD	750	715	685	645	600	550
	LO	615	585	550	515	470	415
PGAA24B1KE 24C1KE	HI	995	960	925	880	835	780
	MD HI	825	805	775	745	705	660
	MD LO	725	705	675	650	615	570
	LO	620	605	585	565	530	485
PGAA24D1KE 30C1KE 30D1KE	HI	1175	1120	1055	990	920	840
	MD	955	915	870	815	755	685
	LO	790	760	730	690	645	585
PGAA36C1KE 36D1KE	HI	1435	1375	1310	1245	1175	1105
	MD	1270	1220	1165	1100	1045	990
	LO	1110	1080	1045	1005	955	905
PGAA36E1KE 42C1KE 42E1KE	HI	1645	1580	1515	1450	1385	1315
	MD HI	1490	1440	1385	1330	1270	1210
	MD LO	1295	1270	1235	1195	1145	1095
	LO	1070	1055	1040	1020	990	955
PGAA48D1KE	HI	1860	1795	1725	1650	1570	1485
	MD HI	1735	1680	1620	1560	1485	1405
	MD LO	1540	1505	1465	1415	1350	1280
	LO	1460	1430	1395	1345	1290	1225
PGAA48F1KE	HI	2185	2125	2065	2010	1950	1875
	MD	1805	1775	1735	1690	1635	1580
	LO	1685	1660	1625	1585	1540	1485
PGAA60D1KE 60E1KE	HI	2250	2190	2125	2060	1990	1915
	MD HI	2090	2045	1995	1935	1875	1805
	MD LO	1650	1630	1600	1565	1525	1475
	LO	1315	1300	1280	1255	1225	1185
PGAA60G1KE	HI	2400	2325	2250	2170	2085	2000
	MD HI	2335	2270	2200	2125	2050	1965
	MD LO	2205	2145	2080	2015	1940	1865
	LO	2095	2040	1985	1920	1855	1780

Air delivery against shown external static pressures taken with 230V to unit and dry coil. For wet coil subtract approximately 25 CFM. Add .08 static for internal filters.

* Dry coil, no filter

EXPANDED PERFORMANCE DATA (COOLING) - PGAA18B1KE AND PGAA18C1KE

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	672	MBh	16.7	17.3	18.9	-	16.3	16.9	18.5	-	15.9	16.5	18.0	-	15.5	16.1	17.6	-	14.7	15.3	16.7	-	13.6	14.1	15.5	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		KW	1.50	1.53	1.58	-	1.61	1.64	1.69	-	1.71	1.74	1.79	-	1.79	1.83	1.88	-	1.86	1.90	1.96	-	1.92	1.96	2.02	-
	600	MBh	16.2	16.8	18.4	-	15.8	16.4	17.9	-	15.4	16.0	17.5	-	15.0	15.6	17.1	-	14.3	14.8	16.2	-	13.2	13.7	15.0	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		KW	1.49	1.52	1.57	-	1.60	1.63	1.68	-	1.69	1.73	1.78	-	1.78	1.81	1.87	-	1.85	1.89	1.94	-	1.91	1.95	2.01	-
528	MBh	15.4	15.9	17.4	-	15.0	15.6	17.0	-	14.7	15.2	16.6	-	14.3	14.8	16.2	-	13.6	14.1	15.4	-	12.6	13.0	14.3	-	
	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-	
	KW	1.47	1.50	1.54	-	1.58	1.61	1.66	-	1.67	1.70	1.75	-	1.75	1.78	1.84	-	1.82	1.86	1.91	-	1.88	1.92	1.98	-	
75	672	MBh	16.9	17.4	18.9	20.3	16.5	17.0	18.4	19.8	16.2	16.6	18.0	19.3	15.8	16.2	17.6	18.8	15.0	15.4	16.7	17.9	13.9	14.3	15.5	16.6
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		KW	1.52	1.55	1.59	1.64	1.62	1.66	1.71	1.76	1.72	1.76	1.81	1.87	1.80	1.84	1.90	1.96	1.88	1.92	1.98	2.04	1.94	1.98	2.04	2.11
	600	MBh	16.4	16.9	18.3	19.7	16.1	16.5	17.9	19.2	15.7	16.1	17.5	18.8	15.3	15.8	17.1	18.3	14.5	15.0	16.2	17.4	13.5	13.9	15.0	16.1
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		KW	1.51	1.53	1.58	1.63	1.61	1.64	1.69	1.75	1.71	1.74	1.79	1.85	1.79	1.83	1.88	1.94	1.86	1.90	1.96	2.02	1.92	1.96	2.03	2.09
528	MBh	15.6	16.1	17.4	18.7	15.3	15.7	17.0	18.3	14.9	15.3	16.6	17.8	14.5	15.0	16.2	17.4	13.8	14.2	15.4	16.5	12.8	13.2	14.3	15.3	
	S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40	
	KW	1.48	1.51	1.56	1.60	1.59	1.62	1.67	1.72	1.68	1.71	1.77	1.82	1.76	1.80	1.85	1.91	1.83	1.87	1.93	1.99	1.89	1.93	1.99	2.06	
80	672	MBh	17.2	17.6	18.8	20.1	16.8	17.2	18.4	19.7	16.4	16.8	17.9	19.2	16.0	16.4	17.5	18.7	15.2	15.6	16.6	17.8	14.1	14.4	15.4	16.5
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		KW	1.53	1.56	1.60	1.65	1.64	1.67	1.72	1.77	1.73	1.77	1.82	1.88	1.82	1.86	1.91	1.97	1.89	1.93	1.99	2.05	1.95	1.99	2.06	2.12
	600	MBh	16.7	17.1	18.3	19.5	16.4	16.7	17.9	19.1	16.0	16.3	17.4	18.6	15.6	15.9	17.0	18.2	14.8	15.1	16.2	17.3	13.7	14.0	15.0	16.0
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		KW	1.52	1.55	1.59	1.64	1.62	1.66	1.71	1.76	1.72	1.76	1.81	1.87	1.80	1.84	1.90	1.96	1.88	1.92	1.98	2.04	1.94	1.98	2.04	2.11
528	MBh	15.9	16.3	17.4	18.6	15.5	15.9	17.0	18.1	15.2	15.5	16.6	17.7	14.8	15.1	16.2	17.3	14.1	14.4	15.3	16.4	13.0	13.3	14.2	15.2	
	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.76	0.56	1.00	0.94	0.76	0.57	
	KW	1.49	1.52	1.57	1.61	1.60	1.63	1.68	1.73	1.69	1.73	1.78	1.84	1.78	1.81	1.87	1.93	1.85	1.89	1.94	2.01	1.91	1.95	2.01	2.07	
85	672	MBh	17.5	17.9	18.7	20.0	17.1	17.5	18.3	19.5	16.7	17.1	17.9	19.1	16.3	16.6	17.4	18.6	15.5	15.8	16.6	17.7	14.4	14.6	15.3	16.4
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		KW	1.54	1.57	1.62	1.66	1.65	1.68	1.73	1.79	1.75	1.78	1.84	1.89	1.83	1.87	1.93	1.99	1.91	1.95	2.01	2.07	1.97	2.01	2.07	2.14
	600	MBh	17.0	17.4	18.2	19.4	16.6	17.0	17.8	18.9	16.2	16.6	17.3	18.5	15.8	16.2	16.9	18.0	15.1	15.3	16.1	17.1	13.9	14.2	14.9	15.9
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		KW	1.53	1.56	1.60	1.65	1.64	1.67	1.72	1.77	1.73	1.77	1.82	1.88	1.82	1.86	1.91	1.97	1.89	1.93	1.99	2.05	1.95	1.99	2.06	2.12
528	MBh	16.2	16.5	17.3	18.4	15.8	16.1	16.9	18.0	15.4	15.7	16.5	17.6	15.1	15.3	16.1	17.1	14.3	14.6	15.3	16.3	13.2	13.5	14.1	15.1	
	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	
	KW	1.50	1.53	1.58	1.63	1.61	1.64	1.69	1.75	1.71	1.74	1.79	1.85	1.79	1.83	1.88	1.94	1.86	1.90	1.96	2.02	1.92	1.96	2.02	2.09	

EXPANDED PERFORMANCE DATA (COOLING) - PGAA24B1KE, PGAA24C1KE AND PGAA24D1KE

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																								
			65				75				85				95				105				115				
			Entering Indoor Temperature - Degrees F. Wet Bulb																								
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	896	MBh	22.3	23.2	25.4	-	21.8	22.6	24.8	-	21.3	22.1	24.2	-	20.8	21.5	23.6	-	19.7	20.5	22.4	-	18.3	19.0	20.8	-	
		S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.89	0.74	0.52	-	0.90	0.75	0.52	-	
		KW	2.03	2.07	2.13	-	2.18	2.22	2.29	-	2.31	2.36	2.43	-	2.43	2.48	2.55	-	2.52	2.58	2.66	-	2.61	2.66	2.75	-	
	800	MBh	21.7	22.5	24.6	-	21.2	22.0	24.1	-	20.7	21.4	23.5	-	20.2	20.9	22.9	-	19.2	19.9	21.8	-	17.8	18.4	20.2	-	
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-	
		KW	2.01	2.05	2.12	-	2.16	2.21	2.27	-	2.29	2.34	2.41	-	2.41	2.46	2.53	-	2.50	2.56	2.64	-	2.59	2.64	2.73	-	
704	MBh	20.6	21.4	23.4	-	20.1	20.9	22.9	-	19.6	20.4	22.3	-	19.2	19.9	21.8	-	18.2	18.9	20.7	-	16.9	17.5	19.2	-		
	S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.81	0.68	0.47	-	0.82	0.69	0.48	-		
	KW	1.98	2.02	2.08	-	2.13	2.17	2.24	-	2.26	2.30	2.37	-	2.37	2.42	2.49	-	2.46	2.52	2.60	-	2.55	2.60	2.68	-		
75	896	MBh	22.7	23.4	25.3	27.2	22.2	22.8	24.7	26.5	21.7	22.3	24.1	25.9	21.1	21.8	23.6	25.3	20.1	20.7	22.4	24.0	18.6	19.1	20.7	22.2	
		S/T	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.87	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.91	0.69	0.45	
		KW	2.05	2.09	2.15	2.22	2.20	2.24	2.31	2.38	2.33	2.38	2.45	2.53	2.44	2.50	2.58	2.66	2.54	2.60	2.68	2.77	2.63	2.69	2.77	2.86	
	800	MBh	22.1	22.7	24.6	26.4	21.5	22.2	24.0	25.8	21.0	21.7	23.4	25.2	20.5	21.1	22.9	24.5	19.5	20.1	21.7	23.3	18.1	18.6	20.1	21.6	
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.86	0.65	0.42	0.98	0.87	0.66	0.42	
		KW	2.03	2.07	2.13	2.20	2.18	2.22	2.29	2.36	2.31	2.36	2.43	2.51	2.43	2.48	2.56	2.64	2.52	2.58	2.66	2.75	2.61	2.67	2.75	2.84	
	704	MBh	21.0	21.6	23.4	25.1	20.5	21.1	22.8	24.5	20.0	20.6	22.3	23.9	19.5	20.1	21.7	23.3	18.5	19.1	20.6	22.2	17.2	17.7	19.1	20.5	
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.93	0.84	0.63	0.41	
		KW	2.00	2.04	2.10	2.16	2.14	2.19	2.26	2.33	2.27	2.32	2.39	2.47	2.39	2.44	2.51	2.59	2.48	2.54	2.62	2.70	2.57	2.62	2.71	2.79	
	80	896	MBh	23.1	23.6	25.2	27.0	22.6	23.1	24.7	26.4	22.0	22.5	24.1	25.7	21.5	22.0	23.5	25.1	20.4	20.9	22.3	23.8	18.9	19.3	20.7	22.1
			S/T	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.63	1.00	1.00	0.86	0.64
			KW	2.06	2.10	2.17	2.23	2.21	2.26	2.33	2.40	2.35	2.40	2.47	2.55	2.46	2.52	2.60	2.68	2.56	2.62	2.70	2.79	2.65	2.71	2.80	2.89
800		MBh	22.5	22.9	24.5	26.2	21.9	22.4	23.9	25.6	21.4	21.9	23.4	25.0	20.9	21.3	22.8	24.4	19.8	20.3	21.7	23.2	18.4	18.8	20.1	21.4	
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61	
		KW	2.05	2.09	2.15	2.22	2.20	2.24	2.31	2.38	2.33	2.38	2.45	2.53	2.44	2.50	2.58	2.66	2.54	2.60	2.68	2.77	2.63	2.69	2.77	2.86	
704	MBh	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	20.3	20.8	22.2	23.7	19.8	20.3	21.7	23.2	18.8	19.3	20.6	22.0	17.5	17.8	19.1	20.4		
	S/T	0.89	0.84	0.68	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.02	0.96	0.78	0.58		
	KW	2.01	2.05	2.12	2.18	2.16	2.21	2.27	2.34	2.29	2.34	2.41	2.49	2.41	2.46	2.53	2.62	2.50	2.56	2.64	2.72	2.59	2.64	2.73	2.82		
85	896	MBh	23.5	24.0	25.1	26.8	23.0	23.4	24.5	26.2	22.4	22.9	24.0	25.6	21.9	22.3	23.4	24.9	20.8	21.2	22.2	23.7	19.3	19.6	20.6	21.9	
		S/T	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.83	
		KW	2.08	2.12	2.18	2.25	2.23	2.28	2.35	2.42	2.36	2.41	2.49	2.57	2.48	2.54	2.62	2.70	2.59	2.64	2.73	2.82	2.67	2.73	2.82	2.91	
	800	MBh	22.8	23.3	24.4	26.0	22.3	22.7	23.8	25.4	21.8	22.2	23.3	24.8	21.2	21.7	22.7	24.2	20.2	20.6	21.6	23.0	18.7	19.1	20.0	21.3	
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79	
		KW	2.06	2.10	2.17	2.23	2.21	2.26	2.33	2.40	2.35	2.40	2.47	2.55	2.46	2.52	2.60	2.68	2.56	2.62	2.70	2.79	2.65	2.71	2.80	2.89	
	704	MBh	21.7	22.1	23.2	24.7	21.2	21.6	22.6	24.1	20.7	21.1	22.1	23.6	20.2	20.6	21.6	23.0	19.2	19.5	20.5	21.8	17.8	18.1	19.0	20.2	
		S/T	0.94	0.90	0.81	0.66	0.97	0.94	0.84	0.68	0.99	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76	
		KW	2.03	2.07	2.13	2.20	2.18	2.22	2.29	2.36	2.31	2.36	2.43	2.51	2.43	2.48	2.55	2.64	2.52	2.58	2.66	2.75	2.61	2.66	2.75	2.84	

EXPANDED PERFORMANCE DATA (COOLING) - PGAA30C1KE AND PGAA30D1KE

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1000	MBh	26.7	27.6	30.3	-	26.0	27.0	29.6	-	25.4	26.3	28.9	-	24.8	25.7	28.2	-	23.6	24.4	26.7	-	21.8	22.6	24.8	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		KW	3.1	3.1	3.3	-	3.3	3.4	3.5	-	3.6	3.6	3.8	-	3.7	3.8	4.0	-	3.9	4.0	4.1	-	4.1	4.1	4.3	-
	900	MBh	25.9	26.8	29.4	-	25.3	26.2	28.7	-	24.7	25.6	28.0	-	24.1	25.0	27.3	-	22.9	23.7	26.0	-	21.2	22.0	24.1	-
		S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
		KW	3.1	3.1	3.2	-	3.3	3.4	3.5	-	3.5	3.6	3.7	-	3.7	3.8	3.9	-	3.9	4.0	4.1	-	4.0	4.1	4.3	-
800	MBh	24.6	25.5	27.9	-	24.0	24.9	27.3	-	23.4	24.3	26.6	-	22.9	23.7	26.0	-	21.7	22.5	24.7	-	20.1	20.9	22.9	-	
	S/T	0.66	0.55	0.38	-	0.68	0.57	0.40	-	0.70	0.59	0.41	-	0.72	0.61	0.42	-	0.75	0.63	0.44	-	0.76	0.63	0.44	-	
	KW	3.0	3.1	3.2	-	3.2	3.3	3.4	-	3.5	3.5	3.7	-	3.6	3.7	3.9	-	3.8	3.9	4.0	-	3.9	4.0	4.2	-	
75	1000	MBh	27.1	27.9	30.2	32.4	26.5	27.3	29.5	31.7	25.8	26.6	28.8	30.9	25.2	26.0	28.1	30.2	24.0	24.7	26.7	28.7	22.2	22.8	24.7	26.5
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
		KW	3.1	3.2	3.3	3.4	3.4	3.4	3.6	3.7	3.6	3.7	3.8	3.9	3.8	3.9	4.0	4.1	3.9	4.0	4.2	4.3	4.1	4.2	4.3	4.5
	900	MBh	26.3	27.1	29.3	31.5	25.7	26.5	28.6	30.7	25.1	25.8	28.0	30.0	24.5	25.2	27.3	29.3	23.3	23.9	25.9	27.8	21.5	22.2	24.0	25.8
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
		KW	3.1	3.1	3.3	3.4	3.3	3.4	3.5	3.6	3.6	3.6	3.8	3.9	3.7	3.8	4.0	4.1	3.9	4.0	4.1	4.3	4.1	4.2	4.3	4.4
800	MBh	25.0	25.7	27.9	29.9	24.4	25.1	27.2	29.2	23.8	24.5	26.6	28.5	23.3	23.9	25.9	27.8	22.1	22.7	24.6	26.4	20.5	21.1	22.8	24.5	
	S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.86	0.76	0.58	0.37	0.86	0.77	0.58	0.38	
	KW	3.0	3.1	3.2	3.3	3.3	3.3	3.5	3.6	3.5	3.6	3.7	3.8	3.9	3.7	3.8	3.9	4.0	3.8	3.9	4.1	4.2	4.0	4.1	4.2	4.4
80	1000	MBh	27.6	28.2	30.1	32.2	26.9	27.5	29.4	31.4	26.3	26.9	28.7	30.7	25.7	26.2	28.0	29.9	24.4	24.9	26.6	28.5	22.6	23.1	24.7	26.4
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
		KW	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.6	3.7	3.8	4.0	3.8	3.9	4.0	4.2	4.0	4.1	4.2	4.4	4.1	4.2	4.4	4.5
	900	MBh	26.8	27.4	29.2	31.3	26.2	26.7	28.6	30.5	25.5	26.1	27.9	29.8	24.9	25.5	27.2	29.1	23.7	24.2	25.8	27.6	21.9	22.4	23.9	25.6
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
		KW	3.1	3.2	3.3	3.4	3.4	3.4	3.6	3.7	3.6	3.7	3.8	3.9	3.8	3.9	4.0	4.1	3.9	4.0	4.2	4.3	4.1	4.2	4.3	4.5
800	MBh	25.4	26.0	27.8	29.7	24.9	25.4	27.1	29.0	24.3	24.8	26.5	28.3	23.7	24.2	25.8	27.6	22.5	23.0	24.5	26.2	20.8	21.3	22.7	24.3	
	S/T	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.95	0.89	0.72	0.54	
	KW	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.5	3.6	3.7	3.9	3.7	3.8	3.9	4.1	3.9	4.0	4.1	4.2	4.0	4.1	4.1	4.3	4.4
85	1000	MBh	28.1	28.6	30.0	32.0	27.4	27.9	29.3	31.2	26.8	27.3	28.6	30.5	26.1	26.6	27.9	29.7	24.8	25.3	26.5	28.3	23.0	23.4	24.5	26.2
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
		KW	3.2	3.2	3.3	3.5	3.4	3.5	3.6	3.7	3.6	3.7	3.9	4.0	3.8	3.9	4.1	4.2	4.0	4.1	4.3	4.4	4.2	4.3	4.4	4.6
	900	MBh	27.3	27.8	29.1	31.0	26.6	27.1	28.4	30.3	26.0	26.5	27.7	29.6	25.4	25.8	27.1	28.9	24.1	24.5	25.7	27.4	22.3	22.7	23.8	25.4
		S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
		KW	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.6	3.7	3.8	4.0	3.8	3.9	4.0	4.2	4.0	4.1	4.2	4.4	4.1	4.2	4.4	4.5
800	MBh	25.9	26.4	27.6	29.5	25.3	25.8	27.0	28.8	24.7	25.2	26.4	28.1	24.1	24.5	25.7	27.4	22.9	23.3	24.4	26.1	21.2	21.6	22.6	24.1	
	S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.91	0.82	0.67	0.98	0.95	0.86	0.69	0.99	0.96	0.86	0.70	
	KW	3.1	3.1	3.3	3.4	3.3	3.4	3.5	3.6	3.6	3.6	3.8	3.9	3.7	3.8	4.0	4.1	3.9	4.0	4.1	4.3	4.1	4.1	4.1	4.3	4.4

EXPANDED PERFORMANCE DATA (COOLING) - PGAA36C1KE, PGAA36D1KE AND PGAA36E1KE

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1344	MBh	33.3	34.5	37.8	-	32.5	33.7	37.0	-	31.8	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		KW	3.07	3.13	3.21	-	3.28	3.34	3.44	-	3.46	3.53	3.64	-	3.63	3.70	3.81	-	3.77	3.84	3.96	-	3.89	3.97	4.09	-
	1200	MBh	32.3	33.5	36.7	-	31.6	32.7	35.9	-	30.8	32.0	35.0	-	30.1	31.2	34.2	-	28.6	29.6	32.5	-	26.5	27.4	30.1	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		KW	3.05	3.10	3.19	-	3.26	3.32	3.41	-	3.44	3.51	3.61	-	3.60	3.67	3.78	-	3.74	3.81	3.93	-	3.86	3.94	4.06	-
1056	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.1	30.8	-	25.2	26.1	28.6	-	
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-	
	KW	3.00	3.06	3.15	-	3.21	3.27	3.36	-	3.39	3.45	3.56	-	3.55	3.62	3.72	-	3.68	3.76	3.87	-	3.80	3.88	3.99	-	
75	1344	MBh	33.9	34.9	37.8	40.5	33.1	34.1	36.9	39.6	32.3	33.3	36.0	38.6	31.5	32.5	35.1	37.7	29.9	30.8	33.4	35.8	27.7	28.6	30.9	33.2
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	0.86	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		KW	3.09	3.15	3.24	3.33	3.30	3.37	3.46	3.57	3.49	3.56	3.66	3.77	3.66	3.73	3.84	3.96	3.80	3.87	3.99	4.11	3.92	4.00	4.12	4.25
	1200	MBh	32.9	33.9	36.7	39.3	32.1	33.1	35.8	38.4	31.4	32.3	35.0	37.5	30.6	31.5	34.1	36.6	29.1	29.9	32.4	34.8	26.9	27.7	30.0	32.2
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		KW	3.07	3.13	3.21	3.31	3.28	3.34	3.44	3.54	3.46	3.53	3.64	3.75	3.63	3.70	3.81	3.93	3.77	3.84	3.96	4.08	3.89	3.97	4.09	4.22
1056	MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	29.9	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6	
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40	
	KW	3.03	3.08	3.17	3.26	3.23	3.29	3.39	3.49	3.41	3.48	3.58	3.69	3.57	3.64	3.75	3.87	3.71	3.78	3.90	4.02	3.83	3.91	4.02	4.15	
80	1344	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.6	28.2	28.8	30.8	32.9
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
		KW	3.11	3.17	3.26	3.36	3.33	3.39	3.49	3.59	3.52	3.59	3.69	3.80	3.68	3.76	3.87	3.99	3.83	3.90	4.02	4.15	3.95	4.03	4.15	4.28
	1200	MBh	33.5	34.2	36.6	39.1	32.7	33.4	35.7	38.2	31.9	32.6	34.9	37.3	31.1	31.8	34.0	36.3	29.6	30.2	32.3	34.5	27.4	28.0	29.9	32.0
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		KW	3.09	3.15	3.24	3.33	3.30	3.37	3.46	3.57	3.49	3.56	3.66	3.78	3.66	3.73	3.84	3.96	3.80	3.87	3.99	4.11	3.92	4.00	4.12	4.25
1056	MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4	
	S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.01	0.95	0.77	0.58	
	KW	3.05	3.10	3.19	3.28	3.26	3.32	3.41	3.51	3.44	3.51	3.61	3.72	3.60	3.67	3.78	3.90	3.74	3.81	3.93	4.05	3.86	3.94	4.06	4.18	
85	1344	MBh	35.1	35.8	37.5	40.0	34.3	34.9	36.6	39.0	33.5	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.7	32.7
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		KW	3.14	3.19	3.29	3.38	3.35	3.42	3.52	3.62	3.54	3.61	3.72	3.83	3.71	3.79	3.90	4.02	3.85	3.93	4.05	4.18	3.98	4.06	4.19	4.32
	1200	MBh	34.1	34.7	36.4	38.8	33.3	33.9	35.5	37.9	32.5	33.1	34.7	37.0	31.7	32.3	33.8	36.1	30.1	30.7	32.1	34.3	27.9	28.4	29.8	31.8
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		KW	3.11	3.17	3.26	3.36	3.33	3.39	3.49	3.59	3.52	3.59	3.69	3.80	3.68	3.76	3.87	3.99	3.83	3.90	4.02	4.15	3.95	4.03	4.15	4.28
1056	MBh	32.4	33.0	34.5	36.9	31.6	32.2	33.7	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2	
	S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.75	
	KW	3.07	3.13	3.21	3.31	3.28	3.34	3.44	3.54	3.46	3.53	3.64	3.75	3.63	3.70	3.81	3.93	3.77	3.84	3.96	4.08	3.89	3.97	4.09	4.21	

EXPANDED PERFORMANCE DATA (COOLING) - PGAA42C1KE AND PGAA42E1KE

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1568	MBh	39.2	40.6	44.5	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	36.5	37.8	41.4	-	34.6	35.9	39.3	-	32.1	33.3	36.4	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		KW	3.73	3.80	3.91	-	3.99	4.07	4.19	-	4.23	4.31	4.45	-	4.43	4.53	4.67	-	4.61	4.71	4.86	-	4.76	4.86	5.02	-
	1400	MBh	38.1	39.4	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.6	34.9	38.2	-	31.2	32.3	35.4	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		KW	3.70	3.77	3.88	-	3.96	4.04	4.16	-	4.19	4.28	4.41	-	4.40	4.49	4.63	-	4.57	4.67	4.82	-	4.73	4.83	4.98	-
1232	MBh	36.2	37.5	41.1	-	35.3	36.6	40.1	-	34.5	35.7	39.1	-	33.6	34.9	38.2	-	31.9	33.1	36.3	-	29.6	30.7	33.6	-	
	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-	
	KW	3.64	3.71	3.82	-	3.90	3.98	4.10	-	4.13	4.21	4.34	-	4.33	4.42	4.56	-	4.50	4.60	4.74	-	4.65	4.75	4.90	-	
75	1568	MBh	39.9	41.0	44.4	47.7	38.9	40.1	43.4	46.6	38.0	39.1	42.4	45.5	37.1	38.2	41.3	44.4	35.2	36.3	39.3	42.1	32.6	33.6	36.4	39.0
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		KW	3.75	3.83	3.94	4.06	4.02	4.10	4.23	4.36	4.26	4.35	4.48	4.62	4.47	4.56	4.70	4.85	4.65	4.75	4.89	5.05	4.80	4.90	5.06	5.22
	1400	MBh	38.7	39.8	43.1	46.3	37.8	38.9	42.1	45.2	36.9	38.0	41.1	44.1	36.0	37.1	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		KW	3.73	3.80	3.91	4.03	3.99	4.07	4.20	4.32	4.23	4.31	4.45	4.58	4.44	4.53	4.67	4.82	4.61	4.71	4.86	5.01	4.76	4.86	5.02	5.18
1232	MBh	36.8	37.9	41.0	44.0	35.9	37.0	40.0	43.0	35.1	36.1	39.1	41.9	34.2	35.2	38.1	40.9	32.5	33.5	36.2	38.9	30.1	31.0	33.5	36.0	
	S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40	
	KW	3.67	3.74	3.85	3.97	3.93	4.01	4.13	4.26	4.16	4.25	4.38	4.51	4.37	4.46	4.59	4.74	4.54	4.63	4.78	4.93	4.69	4.79	4.94	5.10	
80	1568	MBh	40.6	41.5	44.3	47.3	39.6	40.5	43.3	46.2	38.7	39.5	42.2	45.1	37.7	38.6	41.2	44.0	35.9	36.6	39.1	41.8	33.2	33.9	36.3	38.8
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		KW	3.78	3.86	3.97	4.09	4.05	4.14	4.26	4.39	4.29	4.38	4.52	4.66	4.50	4.60	4.74	4.89	4.68	4.78	4.93	5.09	4.84	4.94	5.10	5.27
	1400	MBh	39.4	40.2	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	36.6	37.4	40.0	42.8	34.8	35.6	38.0	40.6	32.2	32.9	35.2	37.6
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		KW	3.75	3.83	3.94	4.06	4.02	4.10	4.23	4.36	4.26	4.35	4.48	4.62	4.47	4.56	4.71	4.85	4.65	4.75	4.90	5.05	4.80	4.90	5.06	5.22
1232	MBh	37.4	38.2	40.9	43.7	36.5	37.3	39.9	42.7	35.7	36.5	39.0	41.6	34.8	35.6	38.0	40.6	33.1	33.8	36.1	38.6	30.6	31.3	33.4	35.7	
	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.76	0.56	1.00	0.94	0.76	0.57	
	KW	3.70	3.77	3.88	4.00	3.96	4.04	4.16	4.29	4.19	4.28	4.41	4.55	4.40	4.49	4.63	4.78	4.57	4.67	4.82	4.97	4.73	4.83	4.98	5.14	
85	1568	MBh	41.3	42.1	44.1	47.0	40.3	41.1	43.0	45.9	39.4	40.1	42.0	44.8	38.4	39.1	41.0	43.7	36.5	37.2	38.9	41.5	33.8	34.4	36.1	38.5
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		KW	3.81	3.89	4.00	4.12	4.08	4.17	4.29	4.43	4.33	4.42	4.55	4.69	4.54	4.64	4.78	4.93	4.72	4.82	4.97	5.13	4.88	4.98	5.14	5.31
	1400	MBh	40.1	40.9	42.8	45.6	39.1	39.9	41.8	44.6	38.2	39.0	40.8	43.5	37.3	38.0	39.8	42.5	35.4	36.1	37.8	40.3	32.8	33.4	35.0	37.4
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		KW	3.78	3.86	3.97	4.09	4.05	4.14	4.26	4.39	4.29	4.38	4.52	4.66	4.50	4.60	4.74	4.89	4.68	4.78	4.93	5.09	4.84	4.94	5.10	5.27
1232	MBh	38.1	38.8	40.6	43.4	37.2	37.9	39.7	42.4	36.3	37.0	38.8	41.3	35.4	36.1	37.8	40.3	33.6	34.3	35.9	38.3	31.2	31.8	33.3	35.5	
	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	
	KW	3.73	3.80	3.91	4.03	3.99	4.07	4.19	4.32	4.23	4.31	4.45	4.58	4.43	4.53	4.67	4.81	4.61	4.71	4.86	5.01	4.76	4.86	5.02	5.18	

EXPANDED PERFORMANCE DATA (COOLING) - PGAA48D1KE AND PGAA48F1KE

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																								
			65				75				85				95				105				115				
			Entering Indoor Temperature - Degrees F. Wet Bulb																								
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	1792	MBh	44.1	45.7	50.1	-	43.1	44.6	48.9	-	42.0	43.6	47.7	-	41.0	42.5	46.6	-	39.0	40.4	44.3	-	36.1	37.4	41.0	-	
		S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.89	0.74	0.52	-	0.90	0.75	0.52	-	
		KW	4.03	4.11	4.23	-	4.32	4.40	4.54	-	4.57	4.66	4.81	-	4.79	4.89	5.04	-	4.98	5.09	5.25	-	5.15	5.26	5.42	-	
	1600	MBh	42.8	44.4	48.6	-	41.8	43.3	47.5	-	40.8	42.3	46.4	-	39.8	41.3	45.2	-	37.8	39.2	43.0	-	35.0	36.3	39.8	-	
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-	
		KW	4.00	4.08	4.20	-	4.29	4.37	4.50	-	4.54	4.63	4.77	-	4.76	4.86	5.00	-	4.95	5.05	5.21	-	5.11	5.21	5.38	-	
1408	MBh	40.7	42.2	46.2	-	39.7	41.2	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	35.9	37.3	40.8	-	33.3	34.5	37.8	-		
	S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.81	0.68	0.47	-	0.82	0.69	0.48	-		
	KW	3.94	4.02	4.14	-	4.22	4.31	4.43	-	4.47	4.56	4.70	-	4.68	4.78	4.93	-	4.87	4.97	5.12	-	5.03	5.13	5.29	-		
75	1792	MBh	44.8	46.2	50.0	53.6	43.8	45.1	48.8	52.4	42.8	44.0	47.7	51.1	41.7	42.9	46.5	49.9	39.6	40.8	44.2	47.4	36.7	37.8	40.9	43.9	
		S/T	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.87	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.91	0.69	0.45	
		KW	4.06	4.14	4.26	4.39	4.35	4.44	4.57	4.71	4.61	4.70	4.84	4.99	4.83	4.93	5.08	5.24	5.02	5.13	5.29	5.46	5.19	5.30	5.47	5.64	
	1600	MBh	43.5	44.8	48.5	52.1	42.5	43.8	47.4	50.9	41.5	42.7	46.3	49.7	40.5	41.7	45.1	48.4	38.5	39.6	42.9	46.0	35.6	36.7	39.7	42.6	
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.86	0.65	0.42	0.98	0.87	0.66	0.42	
		KW	4.03	4.11	4.23	4.36	4.32	4.41	4.54	4.68	4.57	4.66	4.81	4.96	4.79	4.89	5.04	5.20	4.98	5.09	5.25	5.41	5.15	5.26	5.42	5.60	
	1408	MBh	41.4	42.6	46.1	49.5	40.4	41.6	45.0	48.3	39.4	40.6	44.0	47.2	38.5	39.6	42.9	46.0	36.6	37.6	40.7	43.7	33.9	34.9	37.7	40.5	
		S/T	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.93	0.84	0.63	0.41	
		KW	3.97	4.05	4.17	4.29	4.25	4.34	4.47	4.60	4.50	4.59	4.73	4.88	4.72	4.82	4.97	5.12	4.91	5.01	5.16	5.33	5.07	5.17	5.34	5.51	
	80	1792	MBh	45.6	46.6	49.8	53.3	44.6	45.6	48.7	52.0	43.5	44.5	47.5	50.8	42.5	43.4	46.4	49.5	40.3	41.2	44.0	47.1	37.4	38.2	40.8	43.6
			S/T	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.63	1.00	1.00	0.86	0.64
			KW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.64	4.74	4.88	5.03	4.87	4.97	5.13	5.29	5.06	5.17	5.33	5.50	5.23	5.34	5.51	5.69
1600		MBh	44.3	45.3	48.4	51.7	43.3	44.2	47.3	50.5	42.3	43.2	46.1	49.3	41.2	42.1	45.0	48.1	39.2	40.0	42.8	45.7	36.3	37.1	39.6	42.3	
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61	
		KW	4.06	4.14	4.26	4.39	4.35	4.44	4.57	4.71	4.61	4.70	4.84	5.00	4.83	4.93	5.09	5.25	5.02	5.13	5.29	5.46	5.19	5.30	5.47	5.64	
1408		MBh	42.1	43.0	46.0	49.1	41.1	42.0	44.9	48.0	40.1	41.0	43.8	46.8	39.2	40.0	42.8	45.7	37.2	38.0	40.6	43.4	34.5	35.2	37.6	40.2	
		S/T	0.89	0.84	0.68	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.02	0.95	0.78	0.58	1.02	0.96	0.78	0.58	
		KW	4.00	4.08	4.20	4.32	4.29	4.37	4.50	4.64	4.54	4.63	4.77	4.92	4.76	4.86	5.00	5.16	4.95	5.05	5.21	5.37	5.11	5.21	5.38	5.55	
85	1792	MBh	46.4	47.3	49.6	52.9	45.4	46.2	48.4	51.7	44.3	45.1	47.3	50.4	43.2	44.0	46.1	49.2	41.0	41.8	43.8	46.7	38.0	38.8	40.6	43.3	
		S/T	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.83	
		KW	4.12	4.20	4.33	4.46	4.42	4.51	4.64	4.78	4.68	4.77	4.92	5.07	4.91	5.01	5.17	5.33	5.10	5.21	5.37	5.55	5.27	5.38	5.55	5.73	
	1600	MBh	45.1	46.0	48.1	51.4	44.0	44.9	47.0	50.2	43.0	43.8	45.9	49.0	41.9	42.8	44.8	47.8	39.8	40.6	42.5	45.4	36.9	37.6	39.4	42.0	
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79	
		KW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.64	4.74	4.88	5.03	4.87	4.97	5.13	5.29	5.06	5.17	5.33	5.50	5.23	5.34	5.51	5.69	
	1408	MBh	42.8	43.7	45.7	48.8	41.8	42.6	44.7	47.6	40.8	41.6	43.6	46.5	39.8	40.6	42.5	45.4	37.9	38.6	40.4	43.1	35.1	35.7	37.4	39.9	
		S/T	0.94	0.90	0.81	0.66	0.97	0.94	0.84	0.68	0.99	0.96	0.87	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76	
		KW	4.03	4.11	4.23	4.36	4.32	4.40	4.54	4.67	4.57	4.66	4.81	4.96	4.79	4.89	5.04	5.20	4.98	5.09	5.25	5.41	5.15	5.26	5.42	5.60	

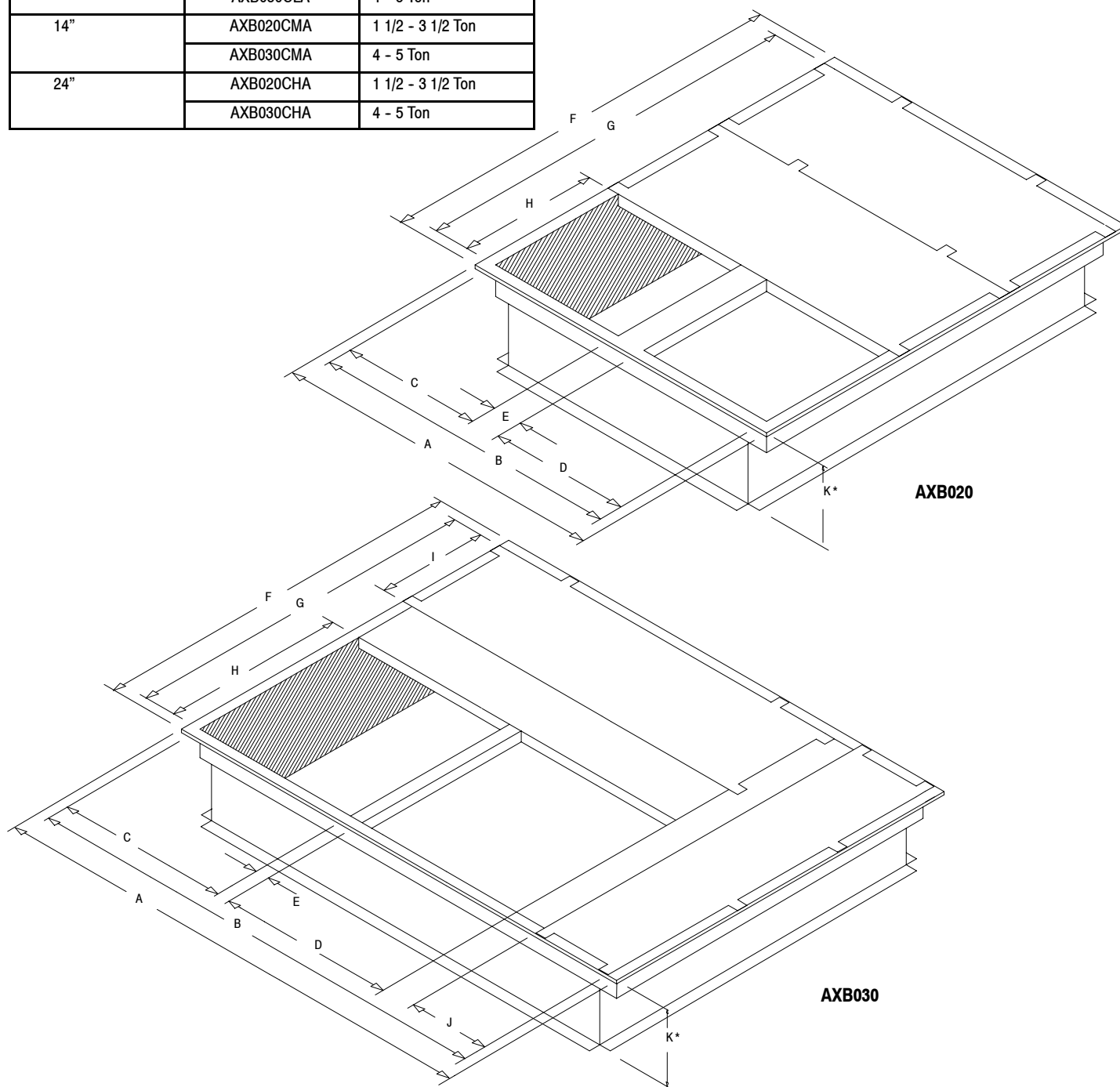
EXPANDED PERFORMANCE DATA (COOLING) - PGAA60D1KE, PGAA60E1KE AND PGAA60G1KE

Airflow IDB* CFM			Outdoor Ambient Temperature - Degrees F. Dry Bulb																							
			65				75				85				95				105				115			
			Entering Indoor Temperature - Degrees F. Wet Bulb																							
			59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2240	MBh	57.3	59.4	65.1	-	56.0	58.0	63.6	-	54.7	56.7	62.1	-	53.3	55.3	60.6	-	50.7	52.5	57.5	-	46.9	48.6	53.3	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		KW	5.59	5.70	5.88	-	6.00	6.12	6.31	-	6.36	6.49	6.69	-	6.68	6.82	7.03	-	6.95	7.09	7.32	-	7.18	7.33	7.57	-
	2000	MBh	55.7	57.7	63.2	-	54.4	56.3	61.7	-	53.1	55.0	60.3	-	51.8	53.7	58.8	-	49.2	51.0	55.9	-	45.6	47.2	51.7	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		KW	5.55	5.66	5.83	-	5.95	6.08	6.26	-	6.31	6.44	6.64	-	6.62	6.76	6.98	-	6.89	7.04	7.26	-	7.12	7.27	7.51	-
1760	MBh	52.9	54.8	60.0	-	51.6	53.5	58.6	-	50.4	52.3	57.2	-	49.2	51.0	55.9	-	46.7	48.4	53.1	-	43.3	44.9	49.2	-	
	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-	
	KW	5.47	5.58	5.74	-	5.86	5.98	6.16	-	6.21	6.34	6.54	-	6.52	6.66	6.86	-	6.78	6.92	7.14	-	7.01	7.16	7.38	-	
75	2240	MBh	58.3	60.0	65.0	69.7	56.9	58.6	63.5	68.1	55.6	57.2	61.9	66.5	54.2	55.8	60.4	64.9	51.5	53.0	57.4	61.6	47.7	49.1	53.2	57.1
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		KW	5.64	5.75	5.92	6.10	6.05	6.17	6.36	6.56	6.41	6.54	6.75	6.96	6.73	6.87	7.09	7.32	7.00	7.15	7.38	7.62	7.24	7.39	7.63	7.88
	2000	MBh	56.6	58.3	63.1	67.7	55.3	56.9	61.6	66.1	54.0	55.6	60.1	64.5	52.7	54.2	58.7	63.0	50.0	51.5	55.7	59.8	46.3	47.7	51.6	55.4
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		KW	5.59	5.71	5.88	6.06	6.00	6.12	6.31	6.51	6.36	6.49	6.69	6.91	6.68	6.82	7.03	7.26	6.95	7.10	7.32	7.56	7.18	7.33	7.57	7.82
1760	MBh	53.8	55.4	59.9	64.3	52.5	54.1	58.5	62.8	51.3	52.8	57.1	61.3	50.0	51.5	55.7	59.8	47.5	48.9	53.0	56.8	44.0	45.3	49.1	52.6	
	S/T	0.79	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40	
	KW	5.51	5.62	5.79	5.96	5.91	6.03	6.21	6.41	6.26	6.39	6.59	6.80	6.57	6.71	6.92	7.14	6.84	6.98	7.20	7.43	7.06	7.22	7.45	7.69	
80	2240	MBh	59.3	60.6	64.8	69.2	58.0	59.2	63.3	67.6	56.6	57.8	61.8	66.0	55.2	56.4	60.3	64.4	52.4	53.6	57.2	61.2	48.6	49.6	53.0	56.7
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		KW	5.68	5.79	5.97	6.15	6.09	6.22	6.41	6.61	6.46	6.60	6.80	7.02	6.78	6.93	7.15	7.38	7.06	7.21	7.44	7.68	7.30	7.45	7.69	7.95
	2000	MBh	57.6	58.9	62.9	67.2	56.3	57.5	61.4	65.7	54.9	56.1	60.0	64.1	53.6	54.8	58.5	62.5	50.9	52.0	55.6	59.4	47.2	48.2	51.5	55.0
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		KW	5.64	5.75	5.92	6.10	6.05	6.17	6.36	6.56	6.41	6.54	6.75	6.96	6.73	6.87	7.09	7.32	7.00	7.15	7.38	7.62	7.24	7.39	7.63	7.88
1760	MBh	54.7	55.9	59.7	63.9	53.5	54.6	58.4	62.4	52.2	53.3	57.0	60.9	50.9	52.0	55.6	59.4	48.4	49.4	52.8	56.4	44.8	45.8	48.9	52.3	
	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.76	0.56	1.00	0.94	0.76	0.57	
	KW	5.55	5.66	5.83	6.01	5.95	6.08	6.26	6.46	6.31	6.44	6.64	6.85	6.62	6.76	6.98	7.20	6.89	7.04	7.26	7.50	7.12	7.27	7.51	7.75	
85	2240	MBh	60.4	61.5	64.5	68.8	59.0	60.1	63.0	67.2	57.6	58.7	61.5	65.6	56.2	57.2	60.0	64.0	53.3	54.4	57.0	60.8	49.4	50.4	52.8	56.3
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		KW	5.72	5.84	6.01	6.20	6.14	6.27	6.46	6.66	6.51	6.65	6.86	7.07	6.84	6.98	7.20	7.44	7.12	7.27	7.50	7.75	7.36	7.52	7.76	8.01
	2000	MBh	58.6	59.7	62.6	66.8	57.2	58.4	61.1	65.2	55.9	57.0	59.7	63.7	54.5	55.6	58.2	62.1	51.8	52.8	55.3	59.0	48.0	48.9	51.2	54.6
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		KW	5.68	5.79	5.97	6.15	6.09	6.22	6.41	6.61	6.46	6.60	6.80	7.02	6.78	6.93	7.15	7.38	7.06	7.21	7.44	7.68	7.30	7.45	7.69	7.95
1760	MBh	55.7	56.8	59.4	63.4	54.4	55.4	58.1	61.9	53.1	54.1	56.7	60.5	51.8	52.8	55.3	59.0	49.2	50.2	52.5	56.0	45.6	46.5	48.7	51.9	
	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	
	KW	5.59	5.70	5.88	6.05	6.04	6.12	6.31	6.51	6.36	6.49	6.69	6.91	6.68	6.82	7.03	7.26	6.95	7.09	7.32	7.56	7.18	7.33	7.57	7.81	

ACCESSORIES: ROOF CURBS

These curbs are designed specifically for use with our combination gas/electric units. They are constructed of heavy gauge steel and designed for water tight installation.

Description	Mainline Model Number	Used on
8"	AXB020CLA	1 1/2 - 3 1/2 Ton
	AXB030CLA	4 - 5 Ton
14"	AXB020CMA	1 1/2 - 3 1/2 Ton
	AXB030CMA	4 - 5 Ton
24"	AXB020CHA	1 1/2 - 3 1/2 Ton
	AXB030CHA	4 - 5 Ton



ROOF CURB DIMENSIONS (INCHES)

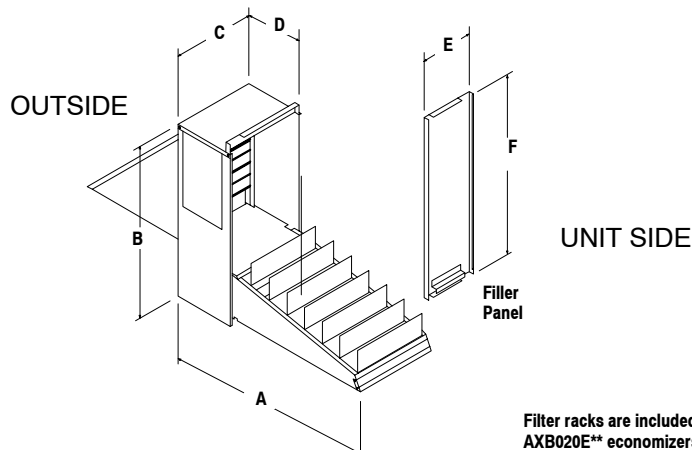
Model No.	A	B	C	D	E	F	G	H	I	J	K (L)	K (M)	K (H)
AXB020C*A	42-3/4	39-3/4	18	18	3-3/4	42-3/4	39-3/4	18	-	-	8	14	24
AXB030C*A	67-3/4	64-3/4	23	23	2-1/2	42-3/4	39-3/4	23	12	12	8	14	24

* ROOF CURBS AVAILABLE IN 8", 14" and 24" HEIGHTS (K DIMENSIONS)

ACCESSORIES

ECONOMIZER FEATURES: DOWNFLOW AND HORIZONTAL

- Provides outdoor air ventilation, automatic free cooling when favorable outside conditions exist, with pressure relief for proper air balance on selected models.
- Interconnecting wiring furnished
- 24 volt system
- Center mounted, dual action, dampers with gasketing ensure proper seal.
- Barometric pressure relief damper is standard on some models.
- Enthalpy controls on selected models.



Modulating & Three Position Economizers

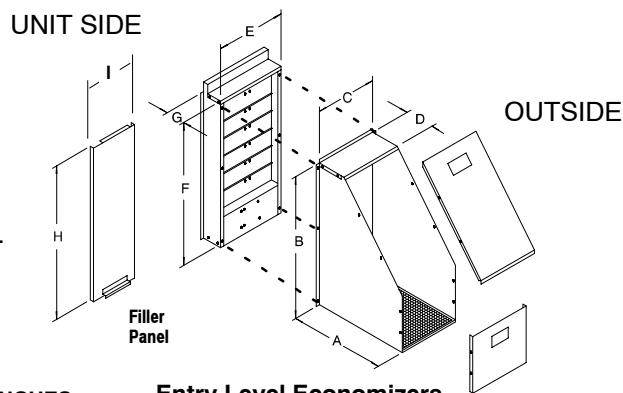
Filter racks are included with AXB020E** economizers. Requires 18 X 25 X 1 or 2 Filter, Field Supplied.

ECONOMIZERS - DOWNFLOW

Description	Model Number	Used on
Fully Modulating	AXB020EMC (1)	1 1/2 - 3 1/2 Ton
Three Position	AXB020EPD (2)	1 1/2 - 3 1/2 Ton
Three Position (Entry Level)	AXB020ECA (3)	1 1/2 - 3 1/2 Ton

Description	Model Number	Used on
Fully Modulating	AXB030EMC (1)	4 - 5 Ton
Three Position	AXB030EPD (2)	4 - 5 Ton
Three Position (Entry Level)	AXB030ECA (3)	4 - 5 Ton

- (1) - Ambient/Enthalpy Control; Includes Return Air Damper & Relief Damper.
 (2) - Ambient Control Only; Includes Return Air Damper & Relief Damper.
 (3) - Ambient Control Only; No Return Air Damper; No Relief Damper.



Entry Level Economizers

80-00-54

ALL DIMENSIONS IN INCHES

Economizer Model No.	A	B	C	D	E	F
AXB020E**	29	27-1/2	12-3/4	10-7/8	7-1/2	29-1/2
AXB030E**	35	31	14-3/4	10-7/8	9-3/8	32-1/2

Economizer Model No.	A	B	C	D	E	F	G	H	I
AXB020ECA	20 ¹ / ₄	26-1/2	11	6	12 ³ / ₄	27 ¹ / ₂	4 ¹ / ₈	29 ¹ / ₂	7-1/2
AXB030ECA	20 ¹ / ₄	30	13	6	12 ³ / ₄	31	4 ¹ / ₈	32 ¹ / ₂	9-3/8

ECONOMIZERS - HORIZONTAL

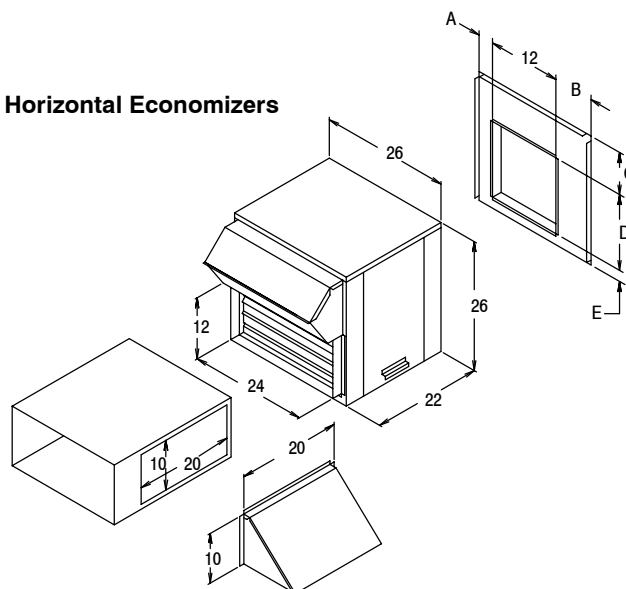
Description	Model Number	Used on
Fully Modulating	AXB020HEC (1)	1 1/2 - 3 1/2 Ton
	AXB030HEC (1)	4 - 5 Ton
Three Position	AXB020HPD (2)	1 1/2 - 3 1/2 Ton
	AXB030HPD (2)	4 - 5 Ton

- (1) - Ambient/Enthalpy Control; Includes Return Air Damper & Relief Damper.
 (2) - Ambient Control Only; Includes Return Air Damper & Relief Damper.

Economizer Model No.	A	B	C	D	E
AXB020H**	5	8-3/4	8-1/2	14-1/4	3
AXB030H**	9-3/4	4	6	18-3/4	1

ALL DIMENSIONS IN INCHES

Horizontal Economizers



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

ACCESSORIES (CONT...)

OUTDOOR AIR DAMPERS

Description	Model Number	Used on
Manual 0 - 25%	AXB020FAC	1 1/2 - 3 1/2 Ton
	AXB030FAC	4 - 5 Ton
Motorized 0 - 25%	AXB020FMC	1 1/2 - 3 1/2 Ton
	AXB030FMC	4 - 5 Ton

FILTER RACK - must use with outdoor air dampers

Description	Model Number	Used on
* Downflow	AXB020FKA	1 1/2 - 3 1/2 Ton
* Horizontal	AXB020FHC	1 1/2 - 3 1/2 Ton

* Requires 1 field supplied 18 x 25" filter.

COIL PROTECTION

Description	Mainline Part Number / Service Parts Number *	Used on
Coil Guard (Black, 1 piece)	1149591	1 1/2 to 2 Ton
Coil Guard (Black, 2 pieces)	AXB020CGB / 1149485	1 1/2 - 3 1/2 Ton
Coil Guard (Black, 3 pieces)	AXB030CGB / 1149486	4 - 5 Ton
Coil Guard (Black, 2 pieces)	AXB020HGB / 1068133	1 1/2 - 3 1/2 Ton
Coil Guard (Black, 3 pieces)	AXB030HGB / 1068134	4 - 5 Ton

* Available through Service Parts **only**.

FOSSIL FUEL CONVERSION (0' - 2000')

Description	Service Parts Number *	Used on Heat Input
Natural to LP Gas	1172663	40, 60, 80, 100, 120, 140 MBTUH
LP to Natural Gas	1172664	40, 60, 80, 100, 120, 140 MBTUH

* Available through Service Parts **only**. For High Altitude conversions, see installation instructions.

CONCENTRIC DUCT KIT

Description	Mainline Model Number	Used on
Roof Curb Transition (For Round Duct)	AXB020CTA	1 1/2 - 3 1/2 Ton
	AXB030CTA	4 - 5 Ton
Grille, Flush Mount *	AXB020CFA	1 1/2 - 3 1/2 Ton
	AXB030CFA	4 - 5 Ton
Grille, Step Down *	AXB020CSA	1 1/2 - 3 1/2 Ton
	AXB030CSA	4 - 5 Ton

* Includes grille and diffuser / transition box.

LOW AMBIENT CONTROLS

Description	Service Parts Number *	Used on
To 0° F	1148232	1 1/2 - 3 1/2 Ton
To 0° F	1148233	4 - 5 Ton

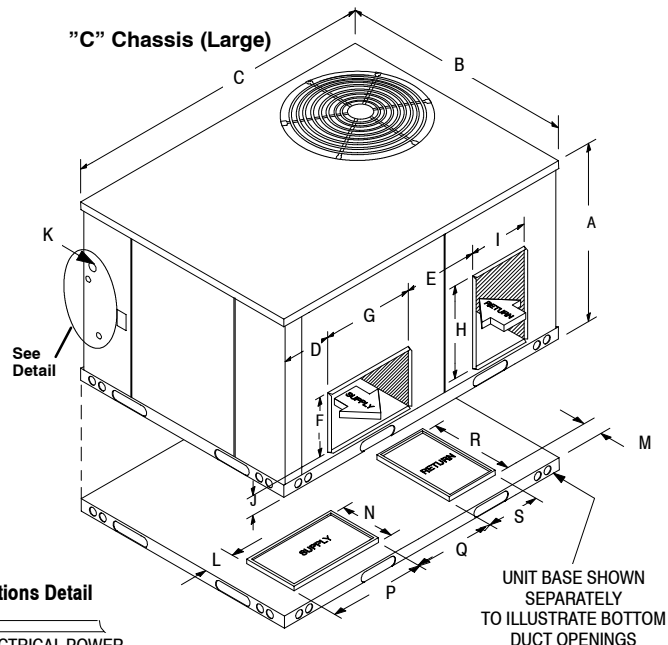
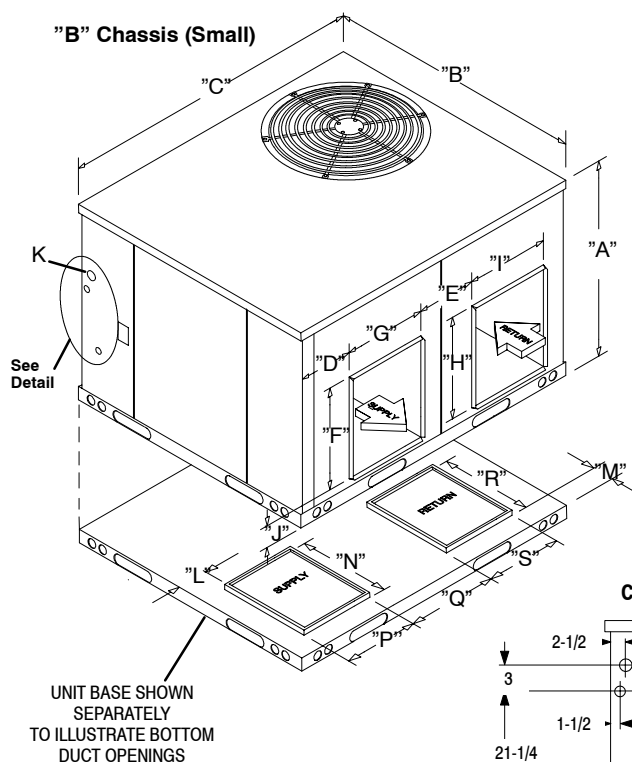
* Available through Service Parts **only**.

INTERNAL FILTERS AND ACCESSORIES

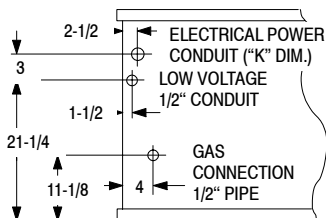
Description	Service Parts Number *	Used on
Filter Retainer (2 Req.)	1054517	4 - 5 Ton
Filter (2 Req.)	1054503	4 - 5 Ton
Handle, Filter Access Panel	1068209	4 - 5 Ton

* Available through Service Parts **only**.

UNIT DIMENSIONS



Connections Detail



ALL DIMENSIONS IN INCHES

Model No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N**	P**	Q	R	S	Inside Base Rail
PGAA18-42	32-1/2	47-3/8	47-3/8	3-1/8	11-1/8	12	14-1/4	14-1/4	12	4	3/4 - 1	4-1/4	4-3/8	14-1/2	12-1/4	12-1/8	14-1/4	12-1/4	43-1/8 x 43-1/8
PGAA48-60	36	47-3/8	73	4-5/8	15	12	18-3/4	18-3/4	12	4	1 - 1-1/4	4-1/4	5-1/4	12-1/4	19	15	19	12-1/4	68-3/4 x 43-1/8

* NOTE: The base rail width is 2-1/8 inches, all around base of unit.

MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	P	G	A	A	18	B	1	K	E	SALES CODE
PRODUCT FAMILY P = Single Package										ELECTRICAL K = 208 / 230-1-60
FUEL (Heating) G = Gas										BLOWER OPTIONS 1 = Standard Direct Drive
DESIGN SERIES										GAS HEAT INPUT B = 40,000 E = 100,000 C = 60,000 F = 120,000 D = 80,000 G = 140,000
RESIDENTIAL UNIT INDICATOR A = Standard Efficiency										COOLING CAPACITY (NOMINAL BTUH) 18 = 1-1/2 Ton 42 = 3-1/2 Ton 24 = 2 Ton 48 = 4 Ton 30 = 2-1/2 Ton 60 = 5 Ton 36 = 3 Ton

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

GUIDE SPECIFICATION

CABINET

The cabinet is made of G-90 galvanized steel, phosphate coated with a tough acrylic finish coat for long lasting weatherproof construction. The base rails are 18 gauge steel with fork lift slots and holes provided for lifting shackles. The unit is designed with convertible airflow for either horizontal or downflow applications with conversion accomplished by re-locating two panels. Indoor blower compartment interior cabinet surfaces are insulated with a minimum 3/4" thick, flexible glass insulation, coated on the air side. Aluminum foil faced glass fiber insulation is used in the furnace compartment.

COOLING SECTION

The unit is factory charged and operationally ready upon delivery. The unit refrigerant circuit has a high efficiency fully hermetic compressor with internal overload protection, and copper tube / aluminum fin evaporator and condenser coils. The unit is designed for cooling operation to 40° F and will be capable of being wired for field installed economizer type accessories.

COILS

The evaporator and condenser coils are fabricated with aluminum fins mechanically bonded to copper tubing. Both coils are pressure tested prior to assembly into the unit and electronically leak tested after assembly into the unit.

CONDENSER FAN

The unit has a single direct-drive propeller-fan / motor assembly. The assembly is mounted directly to a vertical-discharge grille that is easily removed for service. Motors are 1100 RPM with sleeve or ball bearings and internal overload protection.

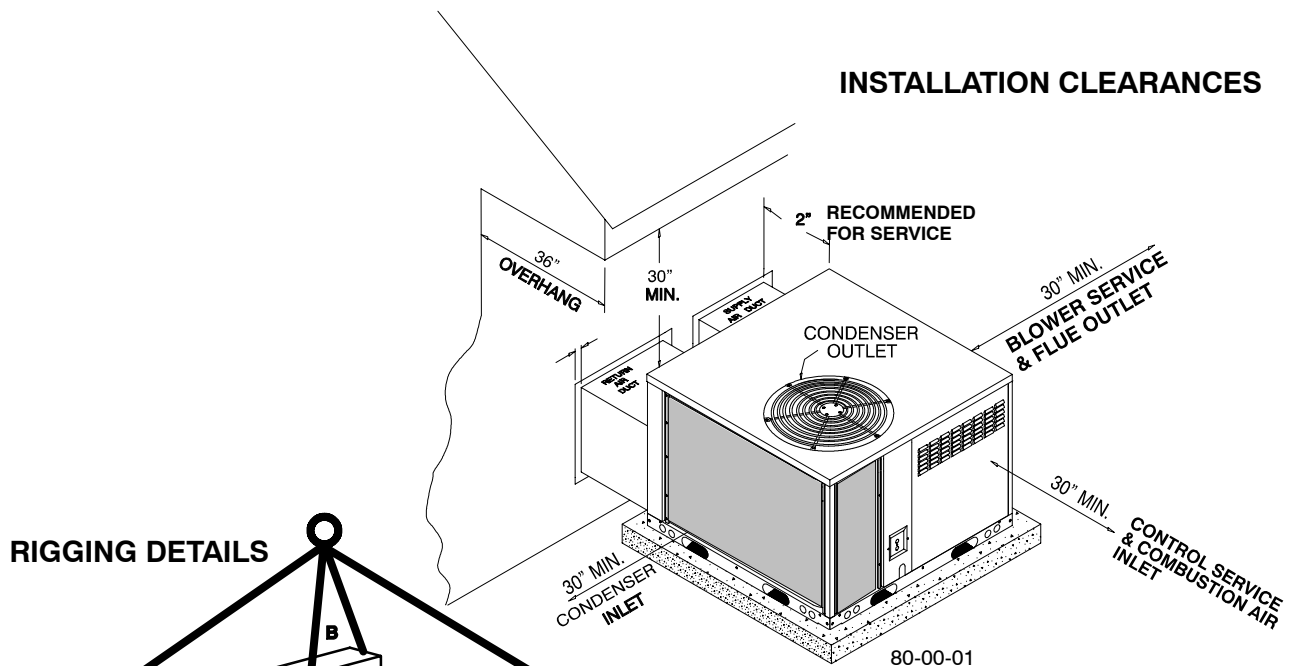
EVAPORATOR BLOWER

All units have a direct-drive evaporator blower motor as a standard. The direct-drive evaporator blower motor has sleeve bearings and internal overload protection.

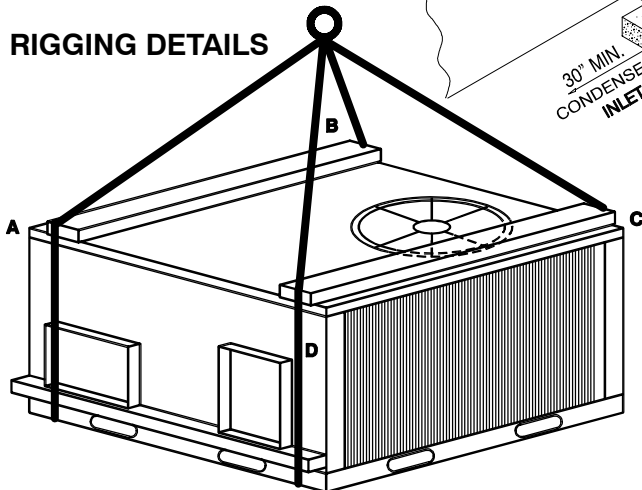
HEATING SECTION

The gas-fired heating section features an induced draft blower for combustion air. The unit has an stainless steel tubular heat exchanger located on the discharge air side of the blower. The system uses in-shot burners ignited by a hot surface pilot ignition system, protected by both a high heat limit switch and flame roll-out switch. The induced draft blower motor is interlocked with a proven air pressure safety device.

INSTALLATION CLEARANCES



RIGGING DETAILS



CORNER WEIGHTS (LBS)

MODEL	A	B	C	D	OPERATING WEIGHT TOTAL
PGAA18	82	113	110	81	386
PGAA24	85	116	112	83	396
PGAA30	87	119	119	87	412
PGAA36	88	110	125	99	422
PGAA42	90	103	129	114	436
PGAA48	130	161	161	130	582
PGAA60	137	169	169	137	612