

PGAD / PGCD Series



**12 SEER
3 PHASE**



CONVERTIBLE SINGLE PACKAGE GAS / ELECTRIC

PGAD - Standard Models, **PGCD** - Low NOx Models

EFFICIENCY

3 thru 5 tons Cooling, 80,000 thru 140,000 BTUH Heating

SINGLE PACKAGE

- Combination gas heating and electric cooling, self contained for year-round comfort. Systems installed on rooftop or ground level. The unit is shipped in the horizontal position and can easily be converted to downflow.

CONSTRUCTION

- 20 gauge galvanized-painted cabinet. One piece weather resistant top. Access panels for easy service. Side by side supply and return. Heavy gauge base with rails.

CABINET

- Triple-coated steel, consisting of a Polyester top coat, a urethane primer coat preceded by an oxide pretreatment.

COMPRESSOR

- All models are equipped with high efficiency scroll compressor.

SLIDE-OUT BLOWER HOUSING

- Specially designed track enhances evaporator motor and blower serviceability.

IMPROVED INSULATION

- Dual density insulation improves temperature separation.

COPPER TUBE/ALUMINUM FIN COILS

- Enhanced aluminium fins mechanically bonded to copper tubes for improved heat transfer.

METERING DEVICE

- Thermostat Expansion Valve (TXV) controls refrigerant flow, maintaining evaporator superheat for maximum efficiency.

ELECTRICAL AND GAS CONTROLS

- Located behind one exterior panel for easier maintenance.
- Electronic pilot ignition device (HSP).
- Adjustable electronic fan control with optional low speed continuous fan feature responds quickly to circulate heated air and provide maximum comfort.

HIGH / LOW PRESSURE SWITCHES

- Excellent Compressor Protection.

INDUCED DRAFT COMBUSTION SYSTEM

- For smoother combustion and optimal efficiency.

STAINLESS STEEL TUBULAR HEAT EXCHANGER

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

COIL PROTECTION

- The condenser coil has a sturdy wire inlet grille and UV rated vinyl mesh installed on the surface of the coil for additional protection.

IN-SHOT BURNERS

- Delivers more complete, efficient combustion.

2 INCH FILTERS STANDARD

- Evaporator Coil Protection

EXTERNALLY-MOUNTED GAUGE PORTS

- Allows for more accurate reading of operating conditions while servicing.

INTEGRAL BASE RAILS

- Fork-lift access on three sides. Holes provided for lifting lugs makes rooftop installation easier.

WARRANTY

- Ten (10) year limited warranty on Heat Exchanger
- Five (5) years limited warranty on Compressor
- One (1) year limited warranty on Parts

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

462 71 1106 00

7/13/05

UNIT SPECIFICATION

MODEL NUMBER	ELECTRICAL DATA			Condenser Data									
				Coil			Fan Motor			Fan			
	Volt-PH-Hz	HACR Breaker / Max. Fuse	Ampacity	Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diameter (In.)	Horsepower	Full Load Amps	Locked Rotor Amps	Size Diameter (In.)	Degree Pitch	RPM (Max.)	CFM (Max.)
PG(A,C)D36D1HE	208/230-3-60	30	21.3	11.45	20 / 2	3/8	1/3	1.3	3.57	20.0	25	1120	3000
PG(A,C)D36E1HE	208/230-3-60	30	21.3	11.12			1/3	1.3	3.57	20.0	25	1120	3000
PG(A,C)D36D1LE	460-3-60	15	10.8	11.45	20 / 2	3/8	1/3	0.7	1.84	20.0	25	1120	3000
PG(A,C)D36E1LE	460-3-60	15	20.8	11.12			1/3	0.7	1.84	20.0	25	1120	3000
PG(A,C)D42D1HE	208/230-3-60	35	23.6	17.10	20 / 2	3/8	1/2	1.8	6.42	22.0	22	1140	3500
PG(A,C)D42E1HE	208/230-3-60	35	23.6	16.41			1/2	1.8	6.42	22.0	22	1140	3500
PG(A,C)D42D1LE	460-3-60	15	11.8	17.10	20 / 2	3/8	1/2	0.8	3.40	22.0	22	1140	3500
PG(A,C)D42E1LE	460-3-60	15	11.8	16.41			1/2	0.8	3.40	22.0	22	1140	3500
PG(A,C)D48D1HE	208/230-3-60	35	23.1	17.10	20 / 2	3/8	1/2	1.8	6.42	22.0	22	1140	3500
PG(A,C)D48F1HE	208/230-3-60	35	23.1	16.41			1/2	1.8	6.42	22.0	22	1140	3500
PG(A,C)D48D1LE	460-3-60	15	12.3	17.10	20 / 2	3/8	1/2	0.8	3.40	22.0	22	1140	3500
PG(A,C)D48F1LE	460-3-60	15	12.4	16.41			1/2	0.8	3.40	22.0	22	1140	3500
PG(A,C)D60E1HE	208/230-3-60	45	29.3	17.10	20 / 2	3/8	3/4	2.7	9.52	22.0	22	1140	3500
PG(A,C)D60G1HE	208/230-3-60	45	30.3	17.10			3/4	2.7	9.52	22.0	22	1140	3500
PG(A,C)D60E1LE	460-3-60	20	14.8	17.10	20 / 2	3/8	3/4	1.4	5.04	22.0	22	1140	3500
PG(A,C)D60G1LE	460-3-60	20	16.0	17.10			3/4	1.4	5.04	22.0	22	1140	3500

MODEL NUMBER	Evaporator Coil									Compressor		Factory Refrigerant	Ship. Weight (Lbs.)	Sound Rating
	Coil			Blower H.P. / Type / Speeds	Motor		Blower							
	Total Face Area (Sq. Ft.)	Fins Per In. / Rows	Tube Diameter (In.)		Full Load Amps	Locked Rotor Amps				Run Load Amps	Locked Rotor Amps			
	Type & Size	RPM (Max.)	CFM Rated											
PG(A,C)D36D1HE	3.56	14 / 4	3/8	3/4 / PSC / 4	5.6	12.85	DD11-9A	1075	1200	11.5	77	102	429	7.6
PG(A,C)D36E1HE							DD11-9A	1075						
PG(A,C)D36D1LE	3.56	14 / 4	3/8	1.0 / PSC / 4	5.6	12.85	DD11-9A	1075	1200	5.8	39	102	429	7.6
PG(A,C)D36E1LE							DD11-9A	1075						
PG(A,C)D42D1HE	8.22	14 / 3	3/8	1/2 / PSC / 4	4.4	8.6	DD10-9	1075	1400	13.9	88	180	559	8.2
PG(A,C)D42E1HE														
PG(A,C)D42D1LE	8.22	14 / 3	3/8	1/2 / PSC / 4	4.4	8.6	DD10-9	1075	1400	7.0	44	180	559	8.2
PG(A,C)D42E1LE														
PG(A,C)D48D1HE	8.22	14 / 4	3/8	1/2 / PSC / 4	4.4	8.6	DD10-9	1075	1650	13.5	120	215	603	7.8
PG(A,C)D48F1HE				1.0 / PSC / 3	4.6	7.9	DD11-11	1000						
PG(A,C)D48D1LE	8.22	14 / 4	3/8	1/2 / PSC / 4	4.4	8.6	DD10-9	1075	1650	7.4	49.5	215	603	7.8
PG(A,C)D48F1LE				1.0 / PSC / 3	4.6	7.9	DD11-11	1000						
PG(A,C)D60E1HE	8.22	14 / 4	3/8	1.0 / PSC / 4	5.0	8.6	DD11-11	1000	2000	17.3	123	227.2	626	8.0
PG(A,C)D60G1HE				1.0 / PSC / 4	6.0	15.1		1100						
PG(A,C)D60E1LE	8.22	14 / 4	3/8	1.0 / PSC / 4	5.0	8.6	DD11-11	1000	2000	9.0	62	227.2	626	8.0
PG(A,C)D60G1LE				1.0 / PSC / 4	6.0	15.1		1100						

PERFORMANCE DATA: HEATING

MODEL NUMBER	NOx Certified	Input (MBTUH) Standard	Output (MBTUH) Standard	Efficiency * (AFUE)	Temperature Rise ° F	Gas Piping Size (In.)	Transformer Size Va.
				Std.			
PGAD36D1HE	NO	80	62	78.0	35-65	1/2	40
PGCD36D1HE	YES	80	62	78.0	35-65	1/2	40
PGAD36E1HE	NO	100	78	78.0	35-65	1/2	40
PGCD36E1HE	YES	100	78	78.0	35-65	1/2	40
PGAD36D1LE	NO	80	62	78.0	35-65	1/2	40
PGCD36D1LE	YES	80	62	78.0	35-65	1/2	40
PGAD36E1LE	NO	100	78	78.0	35-65	1/2	40
PGCD36E1LE	YES	100	78	78.0	35-65	1/2	40
PGAD42D1HE	NO	80	62	78.0	35-65	1/2	40
PGCD42D1HE	YES	80	62	78.0	35-65	1/2	40
PGAD42E1HE	NO	100	78	78.0	35-65	1/2	40
PGCD42E1HE	YES	100	78	78.0	35-65	1/2	40
PGAD42D1LE	NO	80	62	78.0	35-65	1/2	40
PGCD42D1LE	YES	80	62	78.0	35-65	1/2	40
PGAD42E1LE	NO	100	79	78.0	35-65	1/2	40
PGCD42E1LE	YES	100	79	78.0	35-65	1/2	40
PGAD48D1HE	NO	80	62	78.0	35-65	1/2	40
PGCD48D1HE	YES	80	62	78.0	35-65	1/2	40
PGAD48F1HE	NO	120	94	78.0	35-65	1/2	40
PGCD48F1HE	YES	120	94	78.0	35-65	1/2	40
PGAD48D1LE	NO	80	62	78.0	35-65	1/2	40
PGCD48D1LE	YES	80	62	78.0	35-65	1/2	40
PGAD48F1LE	NO	120	95	78.0	35-65	1/2	40
PGCD48F1LE	YES	120	95	78.0	35-65	1/2	40
PGAD60E1HE	NO	100	78	78.0	35-65	1/2	40
PGCD60E1HE	YES	100	78	78.0	35-65	1/2	40
PGAD60G1HE	NO	140	109	78.0	35-65	1/2	40
PGCD60G1HE	YES	140	109	78.0	35-65	1/2	40
PGAD60E1LE	NO	100	78	78.0	35-65	1/2	40
PGCD60E1LE	YES	100	78	78.0	35-65	1/2	40
PGAD60G1LE	NO	140	109	78.0	35-65	1/2	40
PGCD60G1LE	YES	140	109	78.0	35-65	1/2	40

* As determined by 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
PG(A,C)D36D1H/LE	34,400	.77	12.05	10.10	3405	1200	.20
PG(A,C)D36E1H/LE							.30
PG(A,C)D42D1H/LE	41,500	.77	12.10	10.35	4008	1400	.34
PG(A,C)D42E1H/LE							
PG(A,C)D48D1H/LE	48,000	.78	12.10	10.08	4760	1650	.31
PG(A,C)D48F1H/LE							
PG(A,C)D60E1H/LE	57,500	.80	12.05	9.71	6022	2000	.38
PG(A,C)D60G1H/LE							

¹ ARI Rated Capacity @ 230 Volts 80°db/67°wb -95° amb.. For applications at 208 volts deduct 1000 BTUH. ² Includes a .08 drop for a filter ³ For reference only

BLOWER PERFORMANCE DATA

Model Number	Motor HP	Wheel Size (D x W)	No. of Speeds	Heating Rise Range (°F)	Motor Speed	Factory Shipped Speed Setting		External Static Pressure (in. H ₂ O)											
						Heat	Cool	.2"		.3"		.4"		.5"		.6"		.7"	
								CFM	Rise (°F)	CFM	Rise (°F)	CFM	Rise (°F)	CFM	Rise (°F)	CFM	Rise (°F)	CFM	Rise (°F)
PG(A,C)D36D1HE	3/4	11 x 9	4	35 - 65	HI			1617	36	1543	37	1479	39	1388	42	1304	44	1202	48
					MD HI			1459	40	1405	41	1344	43	1279	45	1203	48	1123	51
					MD LO	MD LO	MD LO	1253	46	1236	47	1219	47	1170	49	1116	52	1042	55
					LO			1070	54	1024	56	1021	57	1013	57	982	59	925	62
PG(A,C)D36D1LE	1	11 x 9	4	35 - 65	HI			1617	36	1554	37	1463	39	1365	42	1260	46	1103	52
					MD HI			1556	37	1499	39	1413	41	1324	44	1218	47	1095	53
					MD LO	MD LO	MD LO	1356	43	1299	44	1243	46	1171	49	1097	53	1042	55
					LO			1070	54	1024	56	1021	57	1013	57	982	59	925	62
PG(A,C)D36E1HE	3/4	11 x 9	4	35 - 65	HI	HI		1617	45	1543	47	1479	49	1388	52	1304	55	1202	60
					MD HI			1459	50	1405	51	1344	54	1279	56	1203	60	1123	64
					MD LO		MD LO	1253	58	1236	58	1219	59	1170	62	1116	65	1042	NA
					LO			1070	NA	1024	NA	1021	NA	1013	NA	982	NA	925	NA
PG(A,C)D36E1LE	1	11 x 9	4	35 - 65	HI	HI		1617	45	1554	46	1463	49	1365	53	1260	57	1103	65
					MD HI			1556	46	1499	48	1413	51	1324	55	1218	59	1095	NA
					MD LO		MD LO	1356	53	1299	56	1243	58	1171	62	1097	66	1042	NA
					LO			1070	NA	1024	NA	1021	NA	1013	NA	982	NA	925	NA
PG(A,C)D42D1HE	1/2	10 x 9	4	35 - 65	HI			1860	NA	1795	NA	1725	NA	1650	35	1570	37	1485	39
					MD HI			1735	NA	1680	NA	1620	36	1560	37	1485	39	1405	41
					MD LO			1540	38	1505	38	1465	39	1415	41	1350	43	1280	45
					LO	LO	LO	1460	40	1430	40	1395	41	1345	43	1290	45	1225	47
PG(A,C)D42D1LE	1/2	10 x 9	4	35 - 65	HI			1890	NA	1813	NA	1738	NA	1651	35	1564	37	1454	40
					MD HI			1779	NA	1708	NA	1640	35	1573	37	1481	39	1405	41
					MD LO			1597	36	1551	37	1503	38	1445	40	1364	42	1275	45
					LO	LO	LO	1511	38	1480	39	1443	40	1387	42	1317	44	1225	47
PG(A,C)D42E1HE	1/2	10 x 9	4	35 - 65	HI			1860	39	1795	40	1725	42	1650	44	1570	46	1485	49
					MD HI			1735	42	1680	43	1620	45	1560	46	1485	49	1405	51
					MD LO	MD LO		1540	47	1505	48	1465	49	1415	51	1350	53	1280	56
					LO		LO	1460	49	1430	51	1395	52	1345	54	1290	56	1225	59
PG(A,C)D42E1LE	1/2	10 x 9	4	35 - 65	HI			1890	38	1813	40	1738	42	1651	44	1564	46	1454	50
					MD HI			1779	41	1708	42	1640	44	1573	46	1481	49	1405	51
					MD LO	MD LO		1597	45	1551	47	1503	48	1445	50	1364	53	1275	57
					LO		LO	1511	48	1480	49	1443	50	1387	52	1317	55	1225	59
PG(A,C)D48D1HE	1/2	10 x 9	4	35 - 65	HI			1860	NA	1795	NA	1725	NA	1650	35	1570	37	1485	39
					MD HI		MD HI	1735	NA	1680	NA	1620	36	1560	37	1485	39	1405	41
					MD LO			1540	38	1505	38	1465	39	1415	41	1350	43	1280	45
					LO	LO		1460	40	1430	40	1395	41	1345	43	1290	45	1225	47
PG(A,C)D48D1LE	1/2	10 x 9	4	35 - 65	HI			1890	NA	1813	NA	1738	NA	1651	35	1564	37	1454	40
					MD HI		MD HI	1779	NA	1708	NA	1640	35	1573	37	1481	39	1405	41
					MD LO			1597	36	1551	37	1503	38	1445	40	1364	42	1275	45
					LO	LO		1511	38	1480	39	1443	40	1387	42	1317	44	1225	47
PG(A,C)D48F1HE	1	11 x 11	3	35 - 65	HI			2127	41	2076	42	2029	43	1978	44	1912	45	1827	47
					MD	MD	MD	1745	50	1727	50	1702	51	1674	52	1644	53	1592	54
					LO			1628	53	1627	53	1613	54	1576	55	1547	56	1507	58
					HI			2182	40	2137	41	2081	42	2033	43	1958	44	1888	46
PG(A,C)D48F1LE	1	11 x 11	3	35 - 65	MD	MD	MD	1787	48	1766	49	1745	50	1707	51	1667	52	1623	53
					LO			1682	52	1667	52	1645	53	1619	54	1584	55	1535	56
					HI			2250	NA	2190	NA	2125	NA	2060	35	1990	36	1915	38
					MD HI			2090	35	2045	35	1995	36	1935	37	1875	39	1805	40
PG(A,C)D60E1HE	1	11 x 11	4	35 - 65	MD LO	MD LO	MD LO	1650	44	1630	44	1600	45	1565	46	1525	47	1475	49
					LO			1315	55	1300	56	1280	56	1255	58	1225	59	1185	61
					HI			2250	NA	2190	NA	2125	NA	2060	35	1990	36	1915	38
					MD HI			2090	35	2045	35	1995	36	1935	37	1875	39	1805	40
PG(A,C)D60E1LE	1	11 x 11	4	35 - 65	MD LO	MD LO	MD LO	1650	44	1630	44	1600	45	1565	46	1525	47	1475	49
					LO			1315	55	1300	56	1280	56	1255	58	1225	59	1185	61
					HI			2400	43	2365	44	2308	45	2225	47	2146	48	2060	50
					MD HI			2370	44	2343	44	2281	45	2200	47	2121	49	2039	51
PGAA60G1HE	1	11 x 11	4	35 - 65	MD LO	MD LO	MD LO	2274	46	2207	47	2149	48	2086	50	2011	52	1933	54
					LO			2172	48	2127	49	2067	50	2014	51	1946	53	1870	55
					HI			2400	43	2363	44	2294	45	2223	47	2147	48	2063	50
					MD HI			2335	44	2300	45	2235	46	2163	48	2096	49	2017	51
PGAA60G1LE	1	11 x 11	4	35 - 65	MD LO	MD LO	MD LO	2247	46	2182	48	2130	49	2063	50	2001	52	1922	54
					LO			2146	48	2104	49	2053	51	2000	52	1944	53	1868	56

NOTES:

NA = Not Allowed for Heating Speed.

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) - PG(A,C)D36D1HE, PG(A,C)D36E1HE, PG(A,C)D36D1LE, PG(A,C)D36E1LE - Net Capacities

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	59	63	67	71
70	1344	MBh	33.7	34.9	38.3	-	32.9	34.1	37.4	-	32.1	33.3	36.5	-	31.4	32.5	35.6	-	29.8	30.9	33.8	-	27.6	28.6	31.3	-				
		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	2.72	2.77	2.85	-	2.91	2.96	3.05	-	3.07	3.13	3.22	-	3.22	3.28	3.38	-	3.34	3.41	3.51	-	3.45	3.52	3.62	-				
	1200	MBh	32.7	33.9	37.2	-	32.0	33.1	36.3	-	31.2	32.3	35.4	-	30.4	31.6	34.6	-	28.9	30.0	32.8	-	26.8	27.8	30.4	-				
		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	2.70	2.75	2.83	-	2.89	2.94	3.03	-	3.05	3.11	3.20	-	3.19	3.26	3.35	-	3.31	3.38	3.48	-	3.42	3.49	3.60	-				
75	1056	MBh	31.1	32.2	35.3	-	30.4	31.5	34.5	-	29.6	30.7	33.7	-	28.9	30.0	32.8	-	27.5	28.5	31.2	-	25.5	26.4	28.9	-				
		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	2.67	2.71	2.79	-	2.85	2.90	2.98	-	3.00	3.06	3.15	-	3.14	3.21	3.30	-	3.26	3.33	3.43	-	3.37	3.44	3.54	-				
	1344	MBh	34.3	35.3	38.2	41.0	33.5	34.5	37.3	40.0	32.7	33.7	36.4	39.1	31.9	32.8	35.5	38.1	30.3	31.2	33.8	36.2	28.1	28.9	31.3	33.6				
		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	2.74	2.79	2.87	2.95	2.93	2.99	3.07	3.16	3.09	3.16	3.25	3.35	3.24	3.31	3.40	3.51	3.37	3.43	3.54	3.65	3.47	3.54	3.65	3.77				
1200	MBh	33.3	34.3	37.1	39.8	32.5	33.5	36.2	38.9	31.7	32.7	35.4	38.0	31.0	31.9	34.5	37.0	29.4	30.3	32.8	35.2	27.2	28.1	30.4	32.6					
	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	2.72	2.77	2.85	2.93	2.91	2.96	3.05	3.14	3.07	3.13	3.22	3.32	3.22	3.28	3.38	3.48	3.34	3.41	3.51	3.62	3.45	3.52	3.62	3.74					
80	1056	MBh	31.6	32.6	35.2	37.8	30.9	31.8	34.4	36.9	30.1	31.0	33.6	36.1	29.4	30.3	32.8	35.2	27.9	28.8	31.1	33.4	25.9	26.6	28.8	31.0				
		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	2.68	2.73	2.81	2.89	2.87	2.92	3.00	3.09	3.03	3.09	3.18	3.27	3.17	3.23	3.33	3.43	3.29	3.36	3.46	3.56	3.39	3.46	3.57	3.68				
	1344	MBh	34.9	35.7	38.1	40.7	34.1	34.8	37.2	39.8	33.3	34.0	36.3	38.8	32.5	33.2	35.4	37.9	30.8	31.5	33.7	36.0	28.6	29.2	31.2	33.3				
		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	2.76	2.81	2.89	2.98	2.95	3.01	3.09	3.19	3.12	3.18	3.27	3.37	3.27	3.33	3.43	3.54	3.39	3.46	3.56	3.68	3.50	3.57	3.68	3.80				
85	1200	MBh	33.9	34.6	37.0	39.5	33.1	33.8	36.1	38.6	32.3	33.0	35.3	37.7	31.5	32.2	34.4	36.8	29.9	30.6	32.7	34.9	27.7	28.3	30.3	32.4				
		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	2.74	2.79	2.87	2.95	2.93	2.99	3.07	3.16	3.10	3.16	3.25	3.35	3.24	3.31	3.41	3.51	3.37	3.43	3.54	3.65	3.47	3.54	3.65	3.77				
	1056	MBh	32.2	32.9	35.1	37.6	31.4	32.1	34.3	36.7	30.7	31.4	33.5	35.8	29.9	30.6	32.7	34.9	28.4	29.1	31.0	33.2	26.3	26.9	28.8	30.7				
		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	2.70	2.75	2.83	2.91	2.89	2.94	3.03	3.12	3.05	3.11	3.20	3.30	3.19	3.26	3.35	3.45	3.31	3.38	3.48	3.59	3.42	3.49	3.60	3.71				
85	1344	MBh	35.5	36.2	37.9	40.4	34.7	35.3	37.0	39.5	33.8	34.5	36.1	38.6	33.0	33.7	35.3	37.6	31.4	32.0	33.5	35.7	29.1	29.6	31.0	33.1				
		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	2.78	2.83	2.91	3.00	2.97	3.03	3.12	3.21	3.14	3.20	3.30	3.40	3.29	3.36	3.46	3.56	3.42	3.49	3.59	3.70	3.53	3.60	3.71	3.83				
	1200	MBh	34.5	35.1	36.8	39.3	33.7	34.3	35.9	38.3	32.9	33.5	35.1	37.4	32.1	32.7	34.2	36.5	30.5	31.0	32.5	34.7	28.2	28.8	30.1	32.1				
		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	2.76	2.81	2.89	2.98	2.95	3.01	3.09	3.19	3.12	3.18	3.27	3.37	3.27	3.33	3.43	3.54	3.39	3.46	3.56	3.68	3.50	3.57	3.68	3.80				
1056	MBh	32.7	33.4	35.0	37.3	32.0	32.6	34.1	36.4	31.2	31.8	33.3	35.6	30.5	31.0	32.5	34.7	28.9	29.5	30.9	33.0	26.8	27.3	28.6	30.5					
	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	2.72	2.77	2.85	2.93	2.91	2.96	3.05	3.14	3.07	3.13	3.22	3.32	3.22	3.28	3.38	3.48	3.34	3.41	3.51	3.62	3.45	3.52	3.62	3.74					

EXPANDED PERFORMANCE DATA (COOLING) - PG(A,C)D42D1HE, PG(A,C)D42E1HE, PG(A,C)D42D1LE, PG(A,C)D42E1LE - Net Capacities

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	59	63	67	71
70	1568	MBh	40.7	42.1	46.2	-	39.7	41.2	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	35.9	37.2	40.8	-	33.3	34.5	37.8	-				
		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	3.20	3.26	3.35	-	3.42	3.49	3.59	-	3.61	3.68	3.79	-	3.78	3.86	3.98	-	3.93	4.01	4.13	-	4.06	4.14	4.27	-				
	1400	MBh	39.5	40.9	44.8	-	38.6	40.0	43.8	-	37.6	39.0	42.8	-	36.7	38.1	41.7	-	34.9	36.2	39.6	-	32.3	33.5	36.7	-				
		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	3.18	3.24	3.33	-	3.39	3.46	3.56	-	3.59	3.66	3.77	-	3.76	3.83	3.95	-	3.90	3.98	4.10	-	4.02	4.11	4.23	-				
1232	MBh	37.5	38.9	42.6	-	36.6	38.0	41.6	-	35.8	37.1	40.6	-	34.9	36.2	39.6	-	33.1	34.4	37.6	-	30.7	31.8	34.9	-					
	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	3.13	3.19	3.28	-	3.34	3.41	3.51	-	3.53	3.60	3.71	-	3.70	3.77	3.89	-	3.84	3.92	4.04	-	3.96	4.04	4.17	-					
75	1568	MBh	41.4	42.6	46.1	49.5	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.2	38.5	39.6	42.9	46.0	36.5	37.6	40.7	43.7	33.9	34.9	37.7	40.5				
		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	3.22	3.28	3.38	3.47	3.44	3.51	3.61	3.72	3.64	3.71	3.82	3.94	3.81	3.89	4.01	4.13	3.96	4.04	4.16	4.29	4.09	4.17	4.30	4.44				
	1400	MBh	40.2	41.3	44.7	48.0	39.2	40.4	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	35.5	36.5	39.5	42.4	32.9	33.8	36.6	39.3				
		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	3.20	3.26	3.35	3.45	3.42	3.49	3.59	3.69	3.61	3.69	3.79	3.91	3.79	3.86	3.98	4.10	3.93	4.01	4.13	4.26	4.06	4.14	4.27	4.40				
	1232	MBh	38.1	39.3	42.5	45.6	37.3	38.4	41.5	44.6	36.4	37.4	40.5	43.5	35.5	36.5	39.5	42.4	33.7	34.7	37.6	40.3	31.2	32.1	34.8	37.3				
		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	3.15	3.21	3.30	3.40	3.37	3.43	3.53	3.64	3.56	3.63	3.74	3.85	3.73	3.80	3.92	4.04	3.87	3.95	4.07	4.19	3.99	4.08	4.20	4.33				
80	1568	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	42.7	45.7	37.2	38.0	40.6	43.4	34.5	35.2	37.6	40.2				
		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	3.25	3.31	3.40	3.50	3.47	3.54	3.64	3.75	3.67	3.74	3.85	3.97	3.84	3.92	4.04	4.16	3.99	4.07	4.20	4.33	4.12	4.20	4.33	4.47				
	1400	MBh	40.9	41.8	44.6	47.7	39.9	40.8	43.6	46.6	39.0	39.8	42.5	45.5	38.0	38.8	41.5	44.4	36.1	36.9	39.4	42.1	33.5	34.2	36.5	39.0				
		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	3.22	3.28	3.38	3.47	3.44	3.51	3.61	3.72	3.64	3.71	3.82	3.94	3.81	3.89	4.01	4.13	3.96	4.04	4.17	4.29	4.09	4.17	4.30	4.44				
	1232	MBh	38.8	39.7	42.4	45.3	37.9	38.7	41.4	44.3	37.0	37.8	40.4	43.2	36.1	36.9	39.4	42.1	34.3	35.1	37.5	40.0	31.8	32.5	34.7	37.1				
		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	3.18	3.24	3.33	3.42	3.39	3.46	3.56	3.67	3.59	3.66	3.77	3.88	3.76	3.83	3.95	4.07	3.90	3.98	4.10	4.23	4.02	4.11	4.23	4.37				
85	1568	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	37.8	38.6	40.4	43.1	35.1	35.7	37.4	39.9				
		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	3.27	3.33	3.43	3.53	3.50	3.56	3.67	3.78	3.70	3.77	3.88	4.00	3.87	3.95	4.07	4.20	4.02	4.10	4.23	4.36	4.15	4.24	4.37	4.51				
	1400	MBh	41.6	42.4	44.4	47.4	40.6	41.4	43.4	46.3	39.6	40.4	42.3	45.2	38.7	39.4	41.3	44.1	36.7	37.5	39.2	41.9	34.0	34.7	36.3	38.8				
		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	3.25	3.31	3.40	3.50	3.47	3.54	3.64	3.75	3.67	3.74	3.85	3.97	3.84	3.92	4.04	4.16	3.99	4.07	4.20	4.33	4.12	4.20	4.33	4.47				
	1232	MBh	39.5	40.3	42.2	45.0	38.6	39.3	41.2	43.9	37.7	38.4	40.2	42.9	36.7	37.5	39.2	41.9	34.9	35.6	37.3	39.8	32.3	33.0	34.5	36.8				
		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	3.20	3.26	3.35	3.45	3.42	3.49	3.59	3.69	3.61	3.68	3.79	3.91	3.78	3.86	3.98	4.10	3.93	4.01	4.13	4.26	4.06	4.14	4.27	4.40				

EXPANDED PERFORMANCE DATA (COOLING) - PG(A,C)D48D1HE, PG(A,C)D48F1HE, PG(A,C)D48D1LE, PG(A,C)D48F1LE - Net Capacities

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	1848	MBh	47.0	48.8	53.4	-	45.9	47.6	52.2	-	44.8	46.5	50.9	-	43.8	45.4	49.7	-	41.6	43.1	47.2	-	38.5	39.9	43.7	-
		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	3.77	3.85	3.96	-	4.04	4.12	4.25	-	4.28	4.37	4.50	-	4.49	4.58	4.72	-	4.67	4.76	4.91	-	4.82	4.92	5.08	-
	1650	MBh	45.7	47.3	51.9	-	44.6	46.2	50.7	-	43.5	45.1	49.4	-	42.5	44.0	48.2	-	40.4	41.8	45.8	-	37.4	38.7	42.5	-
		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	3.75	3.82	3.93	-	4.01	4.09	4.21	-	4.25	4.33	4.46	-	4.45	4.54	4.68	-	4.63	4.73	4.87	-	4.78	4.88	5.03	-
1452	MBh	43.4	45.0	49.3	-	42.4	43.9	48.1	-	41.4	42.9	47.0	-	40.4	41.8	45.8	-	38.3	39.7	43.5	-	35.5	36.8	40.3	-	
	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	3.69	3.76	3.87	-	3.95	4.03	4.15	-	4.18	4.27	4.39	-	4.38	4.47	4.61	-	4.56	4.65	4.80	-	4.71	4.80	4.95	-	
75	1848	MBh	47.8	49.2	53.3	57.2	46.7	48.1	52.1	55.9	45.6	47.0	50.8	54.6	44.5	45.8	49.6	53.2	42.3	43.5	47.1	50.6	39.2	40.3	43.6	46.8
		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	3.80	3.88	3.99	4.11	4.07	4.15	4.28	4.41	4.31	4.40	4.53	4.68	4.52	4.62	4.76	4.91	4.70	4.80	4.95	5.11	4.86	4.96	5.12	5.28
	1650	MBh	46.4	47.8	51.8	55.5	45.4	46.7	50.6	54.3	44.3	45.6	49.3	53.0	43.2	44.5	48.1	51.7	41.0	42.3	45.7	49.1	38.0	39.1	42.4	45.5
		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	3.77	3.85	3.96	4.08	4.04	4.12	4.25	4.38	4.28	4.37	4.50	4.64	4.49	4.58	4.72	4.87	4.67	4.76	4.91	5.07	4.82	4.92	5.08	5.24
1452	MBh	44.1	45.4	49.2	52.8	43.1	44.4	48.0	51.5	42.1	43.3	46.9	50.3	41.0	42.3	45.7	49.1	39.0	40.1	43.4	46.6	36.1	37.2	40.2	43.2	
	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	3.72	3.79	3.90	4.02	3.98	4.06	4.18	4.31	4.21	4.30	4.43	4.57	4.42	4.51	4.65	4.79	4.59	4.69	4.83	4.99	4.74	4.84	4.99	5.15	
80	1848	MBh	48.7	49.7	53.1	56.8	47.6	48.6	51.9	55.5	46.4	47.4	50.7	54.2	45.3	46.3	49.4	52.9	43.0	44.0	47.0	50.2	39.9	40.7	43.5	46.5
		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	3.83	3.90	4.02	4.14	4.10	4.19	4.31	4.44	4.34	4.43	4.57	4.71	4.56	4.65	4.80	4.95	4.74	4.84	4.99	5.15	4.90	5.00	5.16	5.32
	1650	MBh	47.3	48.3	51.6	55.2	46.2	47.2	50.4	53.9	45.1	46.1	49.2	52.6	44.0	44.9	48.0	51.3	41.8	42.7	45.6	48.7	38.7	39.5	42.2	45.2
		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	3.80	3.88	3.99	4.11	4.07	4.15	4.28	4.41	4.31	4.40	4.53	4.68	4.52	4.62	4.76	4.91	4.70	4.80	4.95	5.11	4.86	4.96	5.12	5.28
1452	MBh	44.9	45.9	49.0	52.4	43.9	44.8	47.9	51.2	42.8	43.7	46.7	50.0	41.8	42.7	45.6	48.7	39.7	40.5	43.3	46.3	36.8	37.6	40.1	42.9	
	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	3.75	3.82	3.93	4.05	4.01	4.09	4.21	4.34	4.25	4.33	4.46	4.60	4.45	4.54	4.68	4.83	4.63	4.73	4.87	5.03	4.78	4.88	5.03	5.20	
85	1848	MBh	49.5	50.5	52.9	56.4	48.4	49.3	51.7	55.1	47.2	48.1	50.4	53.8	46.1	47.0	49.2	52.5	43.8	44.6	46.7	49.9	40.5	41.3	43.3	46.2
		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	3.86	3.93	4.05	4.17	4.13	4.22	4.34	4.48	4.38	4.47	4.61	4.75	4.59	4.69	4.84	4.99	4.78	4.88	5.03	5.19	4.94	5.04	5.20	5.37
	1650	MBh	48.1	49.0	51.3	54.8	47.0	47.9	50.1	53.5	45.9	46.7	49.0	52.2	44.7	45.6	47.8	51.0	42.5	43.3	45.4	48.4	39.4	40.1	42.0	44.8
		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	3.83	3.90	4.02	4.14	4.10	4.19	4.31	4.44	4.34	4.43	4.57	4.71	4.56	4.65	4.80	4.95	4.74	4.84	4.99	5.15	4.90	5.00	5.16	5.32
1452	MBh	45.7	46.6	48.8	52.0	44.6	45.5	47.6	50.8	43.6	44.4	46.5	49.6	42.5	43.3	45.4	48.4	40.4	41.2	43.1	46.0	37.4	38.1	39.9	42.6	
	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	3.77	3.85	3.96	4.08	4.04	4.12	4.25	4.38	4.28	4.37	4.50	4.64	4.49	4.58	4.72	4.87	4.67	4.76	4.91	5.07	4.82	4.92	5.08	5.24	

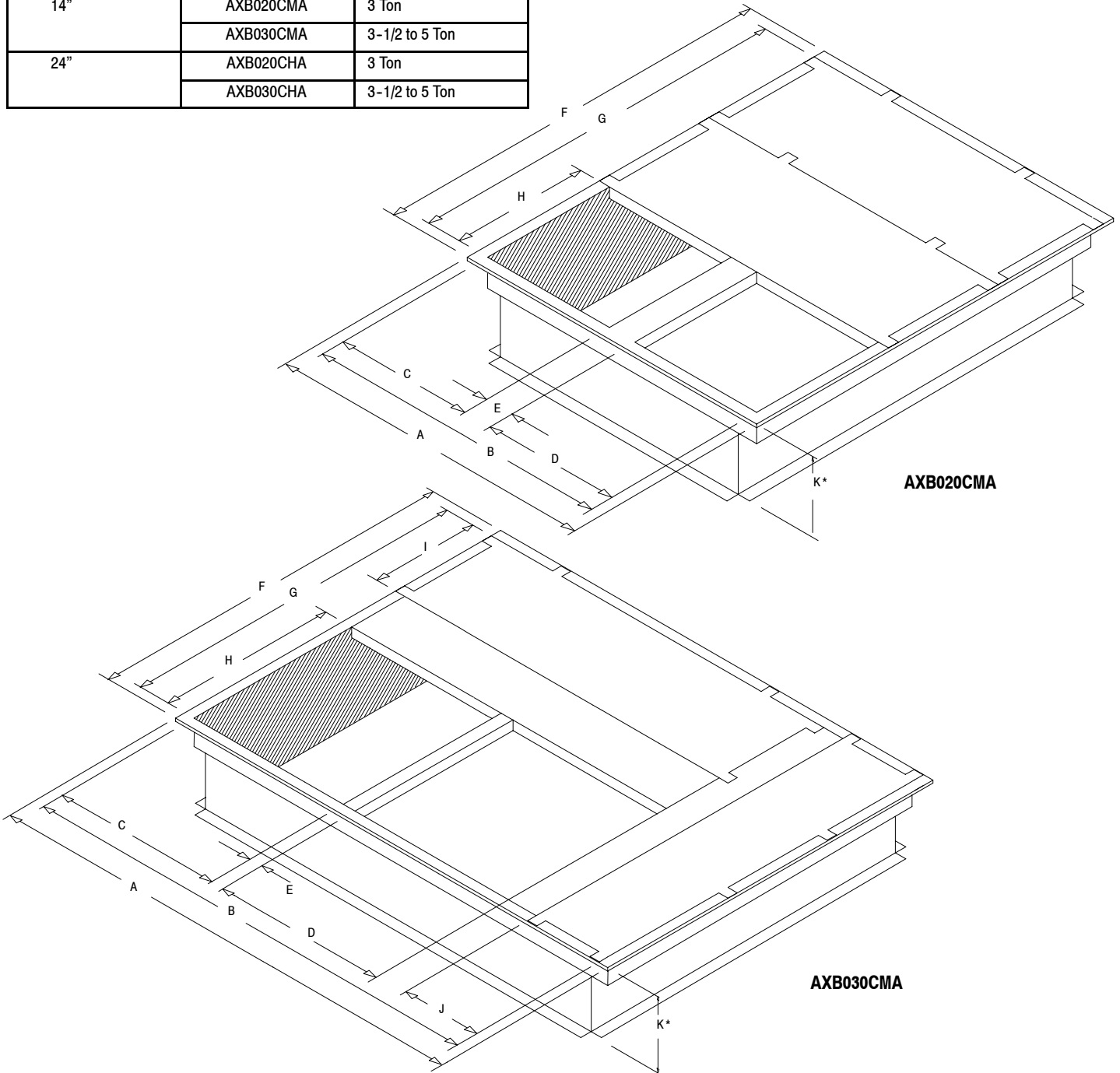
EXPANDED PERFORMANCE DATA (COOLING) - PG(A,C)D60E1HE, PG(A,C)D60G1HE, PG(A,C)D60E1LE, PG(A,C)D60G1LE - Net Capacities

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	2016	MBh	55.9	57.9	63.4	-	57.5	59.6	65.3	-	56.2	58.2	63.7	-	54.8	56.7	62.2	-	52.0	53.9	59.1	-	48.2	50.0	54.7	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		KW	3.93	4.03	4.17	-	5.14	5.26	5.45	-	5.50	5.64	5.84	-	5.82	5.96	6.19	-	6.10	6.25	6.48	-	6.34	6.49	6.73	-
	1800	MBh	54.2	56.2	61.6	-	53.75	58.29	62.54	-	51.90	55.99	60.45	-	49.63	53.48	57.85	-	47.18	50.94	55.05	-	44.67	48.23	52.14	-
		S/T	0.70	0.58	0.40	-	0.77	0.60	0.44	-	0.79	0.61	0.44	-	0.80	0.62	0.45	-	0.82	0.63	0.45	-	0.85	0.64	0.45	-
		KW	3.90	3.99	4.13	-	5.28	5.37	5.44	-	5.77	5.86	5.94	-	6.31	6.39	6.48	-	6.89	6.99	7.07	-	7.53	7.63	7.72	-
1584	MBh	53.7	55.6	61.0	-	55.3	57.3	62.7	-	54.0	56.0	61.3	-	52.6	54.6	59.8	-	50.0	51.8	56.7	-	46.4	48.0	54.6	-	
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.79	0.66	0.65	-	
	KW	3.85	3.94	4.09	-	5.03	5.15	5.34	-	5.39	5.52	5.72	-	5.70	5.84	6.06	-	5.98	6.12	6.35	-	6.20	6.36	6.80	-	
75	2016	MBh	56.8	58.5	63.3	68.0	58.5	60.2	65.2	70.0	57.0	58.8	63.6	68.3	55.7	57.3	62.0	66.6	52.9	54.5	59.0	63.3	49.0	50.5	53.0	56.9
		S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.62	0.40
		KW	3.97	4.06	4.21	4.37	5.18	5.30	5.50	5.70	5.56	5.69	5.89	6.12	5.88	6.02	6.25	6.48	6.16	6.31	6.54	6.79	6.40	6.55	6.73	6.98
	1800	MBh	55.1	56.8	61.5	65.9	53.79	57.89	62.73	67.65	51.68	55.90	60.26	64.99	49.46	53.47	57.59	62.13	47.32	50.85	54.88	59.22	45.21	48.22	51.97	56.21
		S/T	0.79	0.71	0.54	0.35	0.92	0.74	0.58	0.43	0.94	0.76	0.59	0.44	0.96	0.78	0.60	0.44	0.97	0.80	0.62	0.45	0.97	0.83	0.63	0.46
		KW	3.93	4.03	4.17	4.33	5.26	5.36	5.45	5.54	5.75	5.86	5.94	6.03	6.28	6.39	6.49	6.58	6.86	6.98	7.08	7.17	7.50	7.62	7.72	7.82
1584	MBh	52.4	53.9	58.4	62.7	53.9	55.6	60.1	64.5	52.6	54.2	58.7	63.0	51.4	52.9	57.2	61.4	48.8	50.3	54.4	58.4	45.2	46.6	50.4	54.1	
	S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.87	0.78	0.59	0.38	
	KW	3.86	3.95	4.10	4.25	5.04	5.16	5.35	5.54	5.40	5.53	5.74	5.95	5.72	5.86	6.07	6.30	5.99	6.13	6.36	6.60	6.22	6.37	6.61	6.85	
80	2016	MBh	57.8	59.1	63.1	67.5	59.5	60.9	65.0	69.5	58.1	59.4	63.4	67.8	56.6	57.9	61.8	66.2	53.8	55.0	58.8	62.8	49.9	51.0	54.5	58.2
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
		KW	4.00	4.10	4.25	4.41	5.23	5.36	5.56	5.76	5.60	5.75	5.95	6.17	5.94	6.08	6.30	6.54	6.22	6.37	6.60	6.85	6.46	6.62	6.86	7.12
	1800	MBh	56.2	57.4	61.3	65.5	54.81	57.86	62.30	67.14	53.47	55.62	60.14	64.70	51.71	53.52	57.5	61.94	49.83	51.09	54.70	59.09	47.80	48.35	51.92	56.00
		S/T	0.87	0.82	0.67	0.50	1.00	0.89	0.72	0.57	1.00	0.91	0.74	0.58	1.00	0.94	0.76	0.59	1.00	0.95	0.78	0.61	1.00	0.97	0.81	0.62
		KW	3.97	4.07	4.21	4.37	5.25	5.35	5.45	5.54	5.76	5.84	5.94	6.04	6.31	6.37	6.48	6.58	6.91	6.95	7.08	7.18	7.56	7.59	7.72	7.82
1584	MBh	53.3	54.5	58.2	62.2	54.9	56.1	59.9	64.1	53.6	54.8	58.5	62.5	52.2	53.4	57.0	61.1	49.7	50.8	54.2	57.9	46.0	47.0	50.2	53.7	
	S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55	
	KW	3.90	3.99	4.13	4.29	5.09	5.21	5.40	5.60	5.45	5.58	5.78	6.00	5.77	5.92	6.13	6.36	6.05	6.19	6.42	6.66	6.28	6.43	6.67	6.92	
85	2016	MBh	58.9	60.0	62.8	67.0	60.6	61.7	64.7	69.0	59.1	60.3	63.1	67.3	57.6	58.8	61.5	65.7	54.8	55.9	58.5	62.4	50.8	51.7	54.2	57.8
		S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
		KW	4.04	4.14	4.29	4.45	5.28	5.41	5.60	5.81	5.65	5.80	6.01	6.23	5.99	6.14	6.36	6.60	6.28	6.43	6.67	6.91	6.52	6.68	6.92	7.19
	1800	MBh	57.1	58.2	61.0	65.1	58.16	58.49	62.19	66.96	56.55	58.18	59.80	64.40	54.78	54.84	57.32	61.79	52.82	52.88	54.70	58.82	47.80	50.78	51.90	55.82
		S/T	0.91	0.88	0.80	0.65	1.00	0.97	0.86	0.70	1.00	0.94	0.88	0.71	1.00	1.00	0.90	0.74	1.00	1.00	0.93	0.76	1.00	1.00	0.95	0.78
		KW	4.00	4.10	4.25	4.41	5.32	5.33	5.44	5.54	5.82	5.87	5.93	6.03	6.37	6.38	6.47	6.58	6.98	6.98	7.06	7.17	7.53	7.64	7.69	7.81
1584	MBh	54.2	55.3	57.9	61.8	55.9	56.9	59.6	63.6	54.5	55.6	58.2	62.1	53.2	54.2	56.7	60.6	50.6	51.5	53.9	57.5	46.8	47.7	50.0	53.3	
	S/T	0.88	0.84	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71	
	KW	3.93	4.03	4.17	4.33	5.14	5.26	5.45	5.65	5.50	5.64	5.84	6.06	5.82	5.96	6.19	6.42	6.10	6.25	6.48	6.72	6.34	6.49	6.73	6.98	

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	3 Ton
	AXB030CLA	3-1/2 to 5 Ton
14"	AXB020CMA	3 Ton
	AXB030CMA	3-1/2 to 5 Ton
24"	AXB020CHA	3 Ton
	AXB030CHA	3-1/2 to 5 Ton

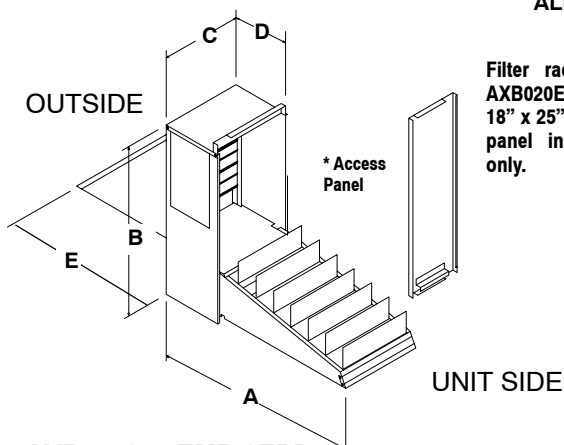


ROOF CURB DIMENSIONS (INCHES)

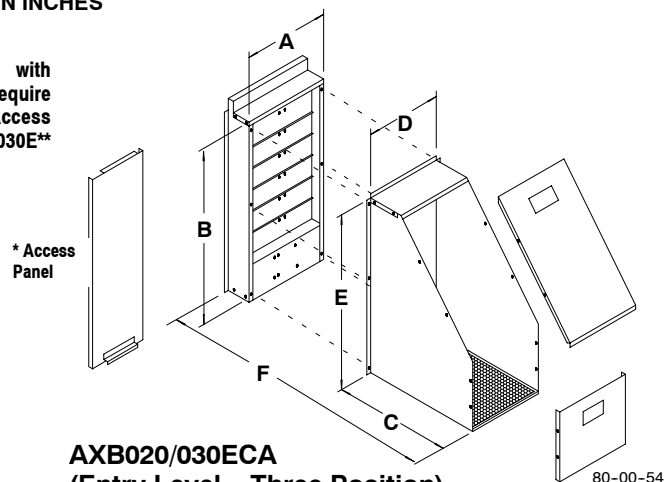
Model No.	A	B	C	D	E	F	G	H	I	J	K(CLA)	K(CMA)	K(CHA)
AXB020	42-3/4	39-3/4	18	18	3-3/4	42-3/4	39-3/4	18	-	-	8	14	24
AXB030	67-3/4	64-3/4	23	23	2-1/2	42-3/4	39-3/4	23	12	12	8	14	24

ECONOMIZERS/DOWNFLOW

ALL DIMENSIONS IN INCHES



Filter racks are included with AXB020E**. Economizers require 18" x 25" x 1" or 2" filters. Access panel included with AXB030E** only.



80-00-54

**AXB020/030EMB / EPD
(Modulating or Three Position)**

Economizer Model No.	A	B	C	D	E
AXB020EMC/PD	29	27-1/2	12-3/4	10-7/8	22
AXB030EMC/PD	35	31	14-3/4	10-7/8	22

**AXB020/030ECA
(Entry Level - Three Position)**

Economizer Model No.	A	B	C	D	E	G
AXB020ECA	12-3/4	27-1/2	20-1/4	11	28-1/2	24
AXB030ECA	14-3/4	31	20-1/4	13	30	24

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

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

NOTES:

- (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.

* On AXB030, Filters not supplied. Filter retainers and filters can be ordered thru Service Parts, retainer part number 1054517.t Filters (20x30x2) part number 1054503.

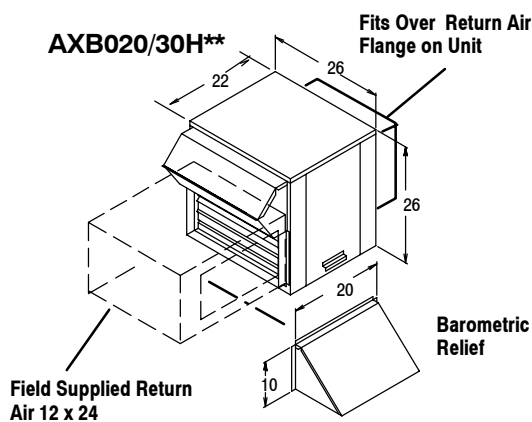
All Economizers Feature Enthalpy and/or ambient temperature control providing outdoor air ventilation and "free cooling" when outdoor conditions are favorable.

Return Air and Pressure Relief dampers for proper air balance, on most models.

Interconnecting wiring furnished.

Center controlled dual action dampers with gaskets to provide proper seal.

ECONOMIZERS/HORIZONTAL



Description	Model Number	Used on
Fully Modulating (1)	AXB020HEC	3 Ton
Three Position (2)	AXB020HPD	

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

NOTES:

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

ACCESORIES (CONT...)

OUTDOOR AIR DAMPERS

Description	Model Number	Used on
Manual - 25%	AXB020FAC	3 TON
	AXB030FAC	3-1/2 to 5 TON
Motorized - 25%	AXB020FMC	3 TON
	AXB030FMC	3-1/2 to 5 TON

FILTER RACK - must use with 3 ton, for horizontal duct applications only.

Description	Model Number	Used on
* Horizontal	AXB020FHC	3 TON

* Requires 1 field supplied 18 x 25" filter.

COIL PROTECTION

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

* Available through Service Parts **only**.

FOSSIL FUEL CONVERSION (0' to 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 KITS

Description	Mainline Model Number	Used on
Transition	AXB020CTA	3 TON
	AXB030CTA	3-1/2 to 5 TON
Grille, Flush Mount *	AXB020CFA	3 TON
	AXB030CFA	3-1/2 to 5 TON
Grille, Step Down *	AXB020CSA	3 TON
	AXB030CSA	3-1/2 to 5 TON

* Includes grille and diffuser / transtion box.

LOW AMBIENT CONTROLS

Description	Model Number *	Used on
To 0° F	1148232	3 TON
To 0° F	1148233	3-1/2 to 5 TON

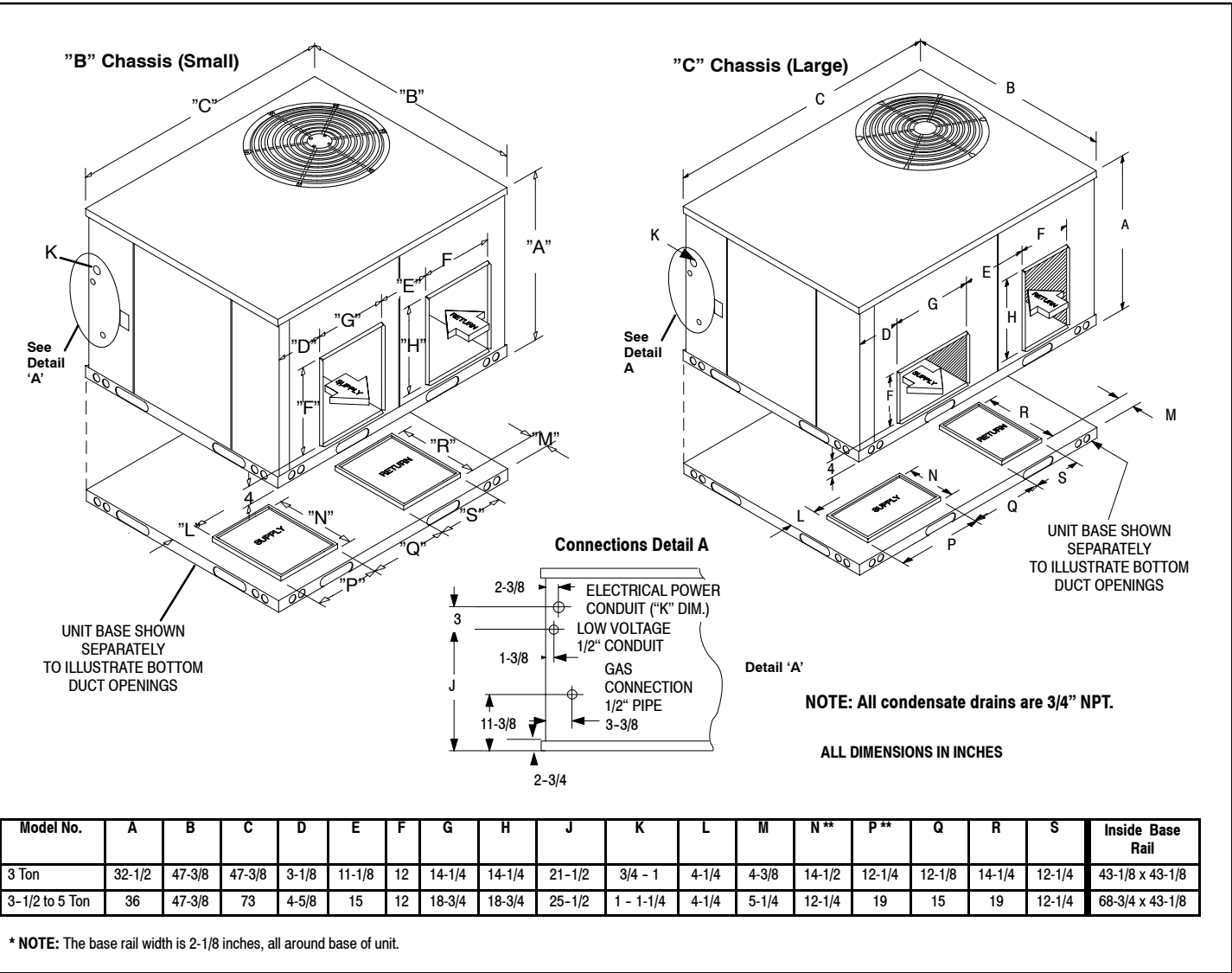
* Available through Service Parts **only**.

INTERNAL FILTERS AND ACCESSORIES

Description	Model Number *	Used on
Filter Retainer (2 Req.)	1054517	3-1/2 to 5 TON
Filter (2 Req.)	1054503	3-1/2 to 5 TON
Handle, Filter Access Panel	1068209	3-1/2 to 5 TON

* Available through Service Parts **only**.

UNIT DIMENSIONS



MODEL NUMBER IDENTIFICATION GUIDE

MODEL NUMBER	P	G	A	D	36	D	1	H	E Sales Code
PRODUCT FAMILY									ELECTRICAL CHARACTERISTICS
P = Single Package									H = 208 / 230-3-60
									L = 460-3-60
FUEL (Heating)									BLOWER OPTIONS
G = Gas									1 = Standard Direct Drive
DESIGN SERIES									GAS HEAT INPUT
A = Standard Models									F = 120,000 D = 80,000
C = Low NOx Models									G = 140,000 E = 100,000
RESIDENTIAL UNIT INDICATOR									COOLING CAPACITY (NOMINAL BTUH)
D = Ultra-High Efficiency									36 = 3 Ton 42 = 3-1/2 Ton
									48 = 4 Ton 60 = 5 Ton

GUIDE SPECIFICATIONS

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 relocating 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.

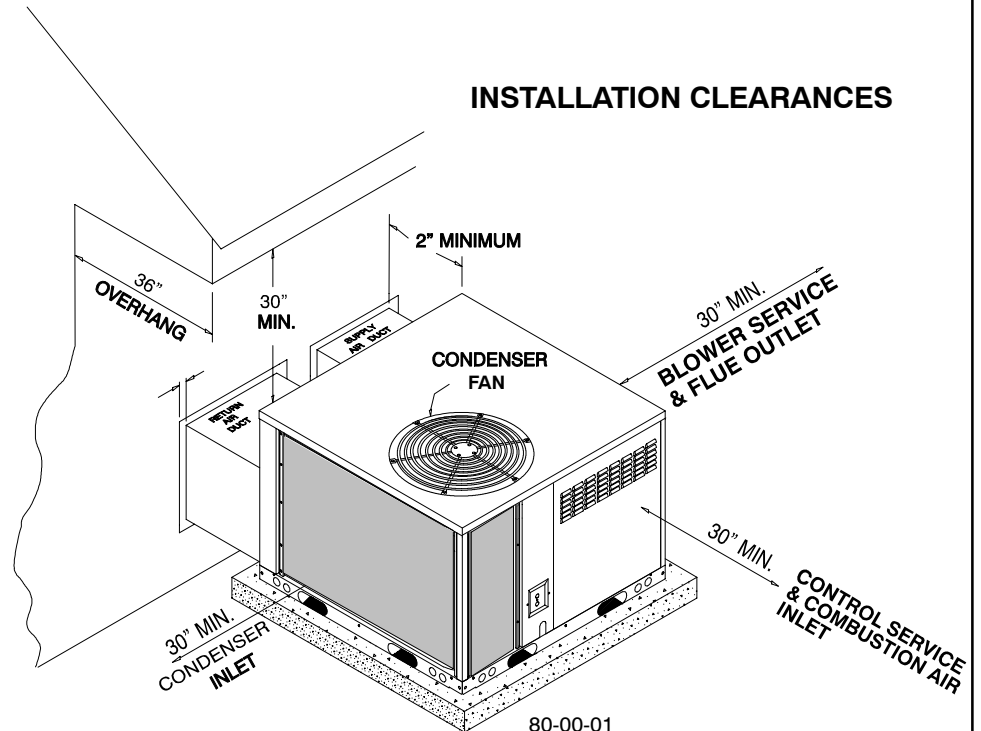
EVAPORATOR BLOWER

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.

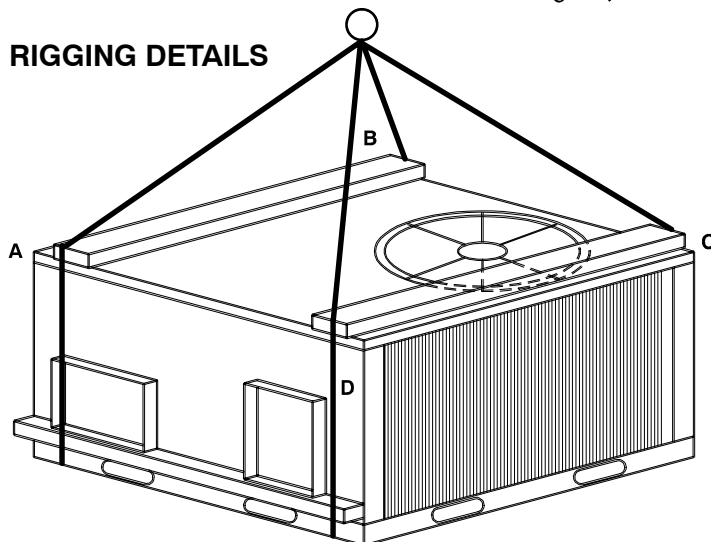
HEATING SECTION

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
PG(A,C)D36D	89	112	127	101	429
PG(A,C)D36E	92	114	130	103	439
PG(A,C)D42D	124	155	155	125	559
PG(A,C)D42E	125	155	155	125	560
PG(A,C)D48D	135	166	166	136	603
PG(A,C)D48F	141	174	174	141	630
PG(A,C)D60E	140	173	173	140	626
PG(A,C)D60G	142	176	176	142	636