PGD5, PGS5
Product Specifications

15 SEER, PACKAGE GAS / ELECTRIC UNIT, 2 to 5 TONS
208/230–1–60, Single Phase

REFRIGERATION CIRCUIT
- Environmentally sound R-410A refrigerant
- Copper tube/aluminum fin condenser and evaporator coils
- Two stage scroll compressors standard on all models

EASY TO INSTALL AND SERVICE
- Installs easily on a rooftop or at ground level
- Easy three-panel accessibility for maintenance and installation
- Easily converts to down discharge applications
- Combination gas heating and electric cooling
- Low NOx units available

BUILT TO LAST
- Hail guard (3/8" spacing) wire grilles standard on PGS models (2" spacing wire grilles on PGD models)
- Induced-draft combustion and venting
- High efficiency ECM blower motor on all models
- Pre-painted steel cabinet
- Direct spark ignition
- Aluminized steel tubular heat exchanger on PGD5 models; Stainless Steel tubular heat exchanger on PGS5 models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- Crankcase heaters standard on all models except 2 ton
- High and low pressure switches provide added reliability for the compressor
- PGS5 with tin-coated copper evaporator coil standard

AHRI CERTIFIED www.ahridirectory.org

Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org .

ENERGY STAR PARTNER

As an Energy Star® Partner, International Comfort Products has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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WARRANTY*
- 5 year No Hassle Replacementt limited warranty on PGS5 models.
- 15 year heat exchanger limited warranty on PGD5; Lifetime heat exchanger limited warranty on PGS5 models.
- 5 year parts limited warranty (including compressor and coils)
  - With timely registration, an additional 5 year parts limited warranty (including compressor and coils)

*Applies to original purchaser/homeowner, some limitations may apply. See warranty certificate for complete details.

UNIT PERFORMANCE DATA

Model Number		COOLING			HEATING		Unit Dimensions Height x Width x Depth Inches (mm)	Operating Weight lbs / kg
Standard	Stainless Steel Heat Exch. with Tin-coated Evap. Coil	Net Capacity BTU/h High / Low	S.E.E.R	E.E.R.	Input BTU/h	Efficiency AFUE %		
PGD524040K00*C	PGS524040KGP*C	22,600 / 17,600	15.5	11.4	40,000	80.0	$44^{3}/_{4}$x$48^{3}/_{16}$x$32^{5}/_{8}$ (1137x1224x829)	396 (180)
PGD524060K00*C	PGS524060KGP*C	22,600 / 17,600	15.5	11.4	60,000	80.0	$44^{3}/_{4}$x$48^{3}/_{16}$x$32^{5}/_{8}$ (1137x1224x829)	401 (182)
PGD536060K00*C	PGS536060KGP*C	34,600 / 24, 400	15.0	12.0	60,000	80.0	$48^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1238x1224x1121)	485 (220)
PGD536090K00*C	PGS536090KGP*C	34,600 / 24, 400	15.0	12.0	90,000	80.4	$48^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1238x1224x1121)	493 (224)
PGD548090K00*C	PGS548090KGP*C	46,000 / 33,400	15.0	11.0	90,000	80.4	$50^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1289x1224x1121)	521 (236)
PGD548115K00*C	PGS548115KGP*C	46,000 / 33,400	15.0	11.0	115,000	80.3	$50^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1289x1224x1121)	521 (236)
PGD548130K00*C	PGS548130KGP*C	46,000 / 33,400	15.0	11.0	130,000	78.9	$50^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1289x1224x1121)	521 (236)
PGD560090K00*C	PGS560090KGP*C	57,000 / 40,500	14.5	11.0	90,000	80.4	$54^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1391x1224x1121)	512 (260)
PGD560115K00*C	PGS560115KGP*C	57,000 / 40,500	14.5	11.0	115,000	80.3	$54^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1391x1224x1121)	512 (260)
PGD560130K00*C	PGS560130KGP*C	57,000 / 40,500	14.5	11.0	130,000	78.9	$54^{3}/_{4}$x$48^{3}/_{16}$x$44^{1}/_{8}$ (1391x1224x1121)	512 (260)

* 0 = Standard Model, 1 = Low NOx California Model

MODEL NOMENCLATURE

MODEL SERIES	1	2	3	4	5,6	7,8,9	10	11,12	13	14	15
	P	G	D	5	36	090	K	00	0	C	1

P = Package

A = Air Conditioner
H = Heat Pump
G = Gas/Electric
D = Dual Fuel

TYPE

D = Standard
S = Mainline w/ SS HX

TIER

3 = 13
4 = 14
5 = 15

SEER

24 = 24,000 BTUH = 2 Tons
36 = 36,000 BTUH = 3 Tons
48 = 48,000 BTUH = 4 Tons
60 = 60,000 BTUH = 5 Tons

NOMINAL COOLING CAPACITY

000 = no factory heat
040 = 40,000 BTU/hr
060 = 60,000 BTU/hr
090 = 90,000 BTU/hr
115 = 115,000 BTU/hr
130 = 130,000 BTU/hr

NOMINAL HEATING BTUH (input)

K = 208/230–1–60

VOLTAGE

00 = No options
GP = Tin Coated Copper Evap Main Tubes plus Stainless Steel Heat Exchanger

FACTORY INSTALLED OPTIONS

0 = Standard
1 = Low NOx

FEATURE CODE

Sales Model Digit

Engineering Digit

UNIT SPECIFICATIONS – PGD5, PGS5					
UNIT SIZE	**24040**	**24060**	**36060**	**36090**	**48090**
NOMINAL COOLING CAPACITY (ton)	2	2	3	3	4
NOMINAL HEATING INPUT (Btu/hr)	40,000	60,000	60,000	90,000	90,000
OPERATING WEIGHT (lb/kg)	396/179.6	401/181.9	485/220.0	493/223.6	521/236.3
COMPRESSOR	Two−Stage Scroll				
REFRIGERANT (R−410A) QUANTITY (lb/kg)	10.1/4.6	10.1/4.6	9.5/4.3	9.5/4.3	15.3/6.9
REFRIGERANT METERING DEVICE	TXV				
Size	2 Ton	2 Ton	3 Ton	3 Ton	4 Ton
OUTDOOR FAN					
Nominal CFM	2700	2700	2800	2800	3300
Diameter (in./mm)	22/559	22/559	22/559	22/559	22/559
Motor HP (RPM)	1/8 (825)	1/8 (825)	1/8 (825)	1/8 (825)	1/4 (1100)
OUTDOOR COIL					
Rows...Fins/in	2...21	2...21	2...21	2...21	2...21
Face Area (sq. ft.)	13.6	13.6	17.5	17.5	19.4
INDOOR COIL					
Rows...Fins/in	3...17	3...17	3...17	3...17	3...17
Face Area (sq. ft.)	3.7	3.7	4.7	4.7	5.7
INDOOR BLOWER					
Nominal Low Stage Airflow (CFM)	600	600	850	850	1100
Nominal High Stage Airflow (CFM)	800	800	1200	1200	1600
Blower Wheel Size (in. x in.)	10x10	10x10	11x10	11x10	11x10
Blower Wheel Size (mm x mm)	254x254	254x254	279x254	279x254	279x254
Motor HP (RPM)	1/2	1/2	3/4	3/4	1
FURNACE SECTION					
Natural Gas Burner Orifice No. (Qty...Drill Size)*	2...44	2...38	2...38	3...38	3...38
HIGH−PRESSURE SWITCH (psig)					
Cutout	670+/−10				
Reset (Auto)	470+/−25				
HIGH−PRESSURE SWITCH 2 (psig)					
(Compressor Solenoid)					
Cutout	565+/−15				
Reset (Auto)	455+/−15				
LOSS−OF−CHARGE/LOW−PRESSURE SWITCH					
(Liquid Line) (psig)					
Cutout	23+/−5				
Reset (Auto)	55+/−5				
RETURN−AIR FILTERS (in.) Throwaway**	20x24x1		24x30x1		24x36x1
RETURN−AIR FILTERS (mm) Throwaway**	508x610x25		610x762x25		610x914x25

* Based on altitude of 0 to 2000 ft (0 to 610 m).

** Recommended filter sizes for field−installed air filter grilles mounted on the wall or ceiling of the conditioned structure. Required filter sizes shown are based on the AHRI (Air Conditioning, Heating, and Refrigeration Institute) rated high stage cooling airflow and a maximum face velocity of 300 ft/minute for throwaway filters or 450 ft/minute for permanent filters. Air filter pressure drop for non−standard filters must not exceed .08 inches water column.

UNIT SPECIFICATIONS – PGD5, PGS5					
UNIT SIZE	**48115**	**48130**	**60090**	**60115**	**60130**
NOMINAL COOLING CAPACITY (ton)	4	4	5	5	5
NOMINAL HEATING INPUT (Btu/hr)	115,000	130,000	90,000	115,000	130,000
OPERATING WEIGHT (lb/kg)	521/236.3	521/236.3	572/259.5	572/259.5	572/259.5
COMPRESSOR	Two–Stage Scroll				
REFRIGERANT (R–410A) QUANTITY (lb/kg)	15.3/6.9	15.3/6.9	15.8/7.2	15.8/7.2	15.8/7.2
REFRIGERANT METERING DEVICE	TXV				
Size	4 Ton	4 Ton	5 Ton	5 Ton	5 Ton
OUTDOOR FAN					
Nominal CFM	3300	3300	3300	3300	3300
Diameter (in./mm)	22/559	22/559	22/559	22/559	22/559
Motor HP (RPM)	1/4 (1100)	1/4 (1100)	1/3 (1110)	1/3 (1110)	1/3 (1110)
OUTDOOR COIL					
Rows...Fins/in	2...21	2...21	2...21	2...21	2...21
Face Area (sq. ft.)	19.4	19.4	23.3	23.3	23.3
INDOOR COIL					
Rows...Fins/in	3...17	3...17	4...17	4...17	4...17
Face Area (sq. ft.)	5.7	5.7	5.7	5.7	5.7
INDOOR BLOWER					
Nominal Low Stage Airflow (CFM)	1100	1100	1200	1200	1200
Nominal High Stage Airflow (CFM)	1600	1600	1750	1750	1750
Blower Wheel Size (in. x in.)	11x10	11x10	11x10	11x10	11x10
Blower Wheel Size (mm x mm)	279x254	279x254	279x254	279x254	279x254
Motor HP (RPM)	1	1	1	1	1
FURNACE SECTION					
Natural Gas Burner Orifice No. (Qty...Drill Size)*	3...33	3...31	3...38	3...33	3...31
HIGH–PRESSURE SWITCH (psig)					
Cutout	670+/–10				
Reset (Auto)	470+/–25				
HIGH–PRESSURE SWITCH 2 (psig)					
(Compressor Solenoid)					
Cutout	565+/–15				
Reset (Auto)	455+/–15				
LOSS–OF–CHARGE/LOW–PRESSURE SWITCH					
(Liquid Line) (psig)					
Cutout	23+/–5				
Reset (Auto)	55+/–5				
RETURN–AIR FILTERS (in.) Throwaway**	24x36x1				
RETURN–AIR FILTERS (mm) Throwaway**	610x914x25				

* Based on altitude of 0 to 2000 ft (0 to 610 m).

** Recommended filter sizes for field–installed air filter grilles mounted on the wall or ceiling of the conditioned structure. Required filter sizes shown are based on the AHRI (Air Conditioning, Heating, and Refrigeration Institute) rated high stage cooling airflow and a maximum face velocity of 300 ft/minute for throwaway filters or 450 ft/minute for permanent filters. Air filter pressure drop for non–standard filters must not exceed .08 inches water column.

A–WEIGHTED SOUND POWER LEVEL (dBA)								
MODEL PGD5	**SOUND RATING**	**TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)**						
		125	**250**	**500**	**1000**	**2000**	**4000**	**8000**
24	75	58.8	63.5	67.2	66.9	63.7	58.3	50.0
36	75	63.7	63.3	66.8	66.5	64.2	60.3	53.0
48	78	69.9	69.9	71.3	73.4	70.0	66.3	60.1
60	78	67.6	67.6	71.8	75.5	71.0	68.1	59.9

NOTE: Tested in accordance with AHRI Standard 270 (not listed in AHRI).

UNIT AIRFLOW, Horizontal and Downflow Discharge, 230 Volts, Dry Coil

Unit PGD5, PGS5	Heating Rise Range	Motor Speed	Wire Color		External Static Pressure ("WC)								
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
24040	30 - 60°F (17 - 33°C)	Low1	Blue	CFM	659	551	440	355	–	–	–	–	–
				Heating Rise (°F)	46	55	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	25	30	NA	NA	NA	NA	NA	NA	NA
		Med-Low	Pink	CFM	726	625	537	407	–	–	–	–	–
				Heating Rise (°F)	42	48	56	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	23	27	31	NA	NA	NA	NA	NA	NA
		Medium2	Red	CFM	907	837	759	679	588	474	343	–	–
				Heating Rise (°F)	33	36	40	45	51	NA	NA	NA	NA
				Heating Rise (°C)	19	20	22	25	29	NA	NA	NA	NA
		Med-High3	Orange	CFM	953	870	807	718	652	528	443	–	–
				Heating Rise (°F)	32	35	37	42	46	57	NA	NA	NA
				Heating Rise (°C)	18	19	21	23	26	32	NA	NA	NA
		High	Black	CFM	1179	1118	1061	996	942	864	794	718	619
				Heating Rise (°F)	NA	NA	NA	30	32	35	38	42	49
				Heating Rise (°C)	NA	NA	NA	17	18	19	21	23	27
24060	25 - 55°F (14 - 31°C)	Low1	Blue	CFM	659	551	440	355	–	–	–	–	–
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med-Low	Pink	CFM	726	625	537	407	–	–	–	–	–
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Medium2	Red	CFM	907	837	759	679	588	474	343	–	–
				Heating Rise (°F)	49	53	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	27	29	NA	NA	NA	NA	NA	NA	NA
		Med-High	Orange	CFM	953	870	807	718	652	528	443	–	480
				Heating Rise (°F)	47	51	55	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	26	28	31	NA	NA	NA	NA	NA	NA
		High3	Black	CFM	1179	1118	1061	996	942	864	794	718	619
				Heating Rise (°F)	38	40	42	45	47	51	NA	NA	NA
				Heating Rise (°C)	21	22	23	25	26	29	NA	NA	NA
36060	25 - 55°F (14 - 31°C)	Low1	Blue	CFM	921	740	448	–	–	–	–	–	–
				Heating Rise (°F)	48	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	27	NA	NA	NA	NA	NA	NA	NA	NA
		Med-Low	Pink	CFM	1019	849	603	479	–	–	–	–	–
				Heating Rise (°F)	44	52	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	24	29	NA	NA	NA	NA	NA	NA	NA
		Medium3	Red	CFM	1272	1203	1150	1097	1054	996	937	881	841
				Heating Rise (°F)	35	37	39	41	42	45	47	50	53
				Heating Rise (°C)	19	21	21	23	23	25	26	28	29
		Med-High2	Orange	CFM	1321	1258	1212	1168	1114	1075	1009	956	904
				Heating Rise (°F)	34	35	37	38	40	41	44	46	49
				Heating Rise (°C)	19	20	20	21	22	23	24	26	27
		High	Black	CFM	1478	1426	1387	1334	1292	1247	1212	1148	1108
				Heating Rise (°F)	30	31	32	33	34	36	37	39	40
				Heating Rise (°C)	17	17	18	19	19	20	20	22	22
36090	35 - 65°F (19 - 36°C)	Low1	Blue	CFM	921	740	448	–	–	–	–	–	–
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med-Low	Pink	CFM	1019	849	603	479	–	–	–	–	–
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Medium	Red	CFM	1272	1203	1150	1097	1054	996	937	881	841
				Heating Rise (°F)	53	57	59	62	65	NA	NA	NA	NA
				Heating Rise (°C)	30	31	33	34	36	NA	NA	NA	NA
		Med-High2	Orange	CFM	1321	1258	1212	1168	1114	1075	1009	956	904
				Heating Rise (°F)	51	54	56	58	61	63	NA	NA	NA
				Heating Rise (°C)	29	30	31	32	34	35	NA	NA	NA
		High3	Black	CFM	1478	1426	1387	1334	1292	1247	1212	1148	1108
				Heating Rise (°F)	46	48	49	51	53	55	56	59	61
				Heating Rise (°C)	26	26	27	28	29	30	31	33	34

UNIT AIRFLOW, Horizontal and Downflow Discharge, 230 Volts, Dry Coil

Unit PGD5, PGS5	Heating Rise Range	Motor Speed	Wire Color		External Static Pressure (”WC)								
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
48090	35 – 65°F (19 – 36°C)	Low1	Blue	CFM	1201	1159	1101	1062	1004	957	897	852	793
				Heating Rise (°F)	57	59	62	64	NA	NA	NA	NA	NA
				Heating Rise (°C)	31	33	34	36	NA	NA	NA	NA	NA
		Med–Low3	Pink	CFM	1419	1364	1318	1258	1214	1160	1118	1053	1009
				Heating Rise (°F)	48	50	52	54	56	59	61	65	NA
				Heating Rise (°C)	27	28	29	30	31	33	34	36	NA
		Medium2	Red	CFM	1678	1635	1602	1558	1513	1474	1438	1404	1349
				Heating Rise (°F)	41	42	42	44	45	46	47	48	50
				Heating Rise (°C)	23	23	24	24	25	26	26	27	28
		Med–High	Orange	CFM	1916	1881	1846	1810	1761	1722	1681	1647	1600
				Heating Rise (°F)	35	36	37	38	39	39	40	41	43
				Heating Rise (°C)	20	20	20	21	21	22	22	23	24
		High	Black	CFM	2093	2051	2024	1967	1947	1907	1854	1826	1749
				Heating Rise (°F)	NA	NA	NA	35	35	36	37	37	39
				Heating Rise (°C)	NA	NA	NA	19	19	20	20	21	22
48115	30 – 60°F (17 – 33°C)	Low1	Blue	CFM	1201	1159	1101	1062	1004	957	897	852	793
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med–Low	Pink	CFM	1419	1364	1318	1258	1214	1160	1118	1053	1009
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Medium2	Red	CFM	1678	1635	1602	1558	1513	1474	1438	1404	1349
				Heating Rise (°F)	52	53	54	56	57	59	60	NA	NA
				Heating Rise (°C)	29	30	30	31	32	33	34	NA	NA
		Med–High	Orange	CFM	1916	1881	1846	1810	1761	1722	1681	1647	1600
				Heating Rise (°F)	45	46	47	48	49	50	52	53	54
				Heating Rise (°C)	25	26	26	27	27	28	29	29	30
		High3	Black	CFM	2093	2051	2024	1967	1947	1907	1854	1826	1749
				Heating Rise (°F)	42	42	43	44	45	46	47	48	50
				Heating Rise (°C)	23	24	24	25	25	25	26	26	28
48130	35 – 65°oF (19 – 36°oC)	Low1	Blue	CFM	1201	1159	1101	1062	1004	957	897	852	793
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med–Low	Pink	CFM	1419	1364	1318	1258	1214	1160	1118	1053	1009
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Medium2	Red	CFM	1678	1635	1602	1558	1513	1474	1438	1404	1349
				Heating Rise (°F)	57	59	60	62	64	65	NA	NA	NA
				Heating Rise (°C)	32	33	33	34	35	36	NA	NA	NA
		Med–High	Orange	CFM	1916	1881	1846	1810	1761	1722	1681	1647	1600
				Heating Rise (°F)	50	51	52	53	55	56	57	58	60
				Heating Rise (°C)	28	28	29	30	30	31	32	32	33
		High3	Black	CFM	2093	2051	2024	1967	1947	1907	1854	1826	1749
				Heating Rise (°F)	46	47	48	49	49	50	52	53	55
				Heating Rise (°C)	26	26	26	27	27	28	29	29	31
60090	35 – 65°F (19 – 36°C)	Low1	Blue	CFM	1320	1256	1211	1142	1096	1028	973	903	835
				Heating Rise (°F)	52	54	56	60	62	NA	NA	NA	NA
				Heating Rise (°C)	29	30	31	33	34	NA	NA	NA	NA
		Med–Low3	Pink	CFM	1351	1295	1258	1212	1170	1124	1080	1036	992
				Heating Rise (°F)	50	53	54	56	58	60	63	NA	NA
				Heating Rise (°C)	28	29	30	31	32	34	35	NA	NA
		Medium2	Red	CFM	1824	1782	1742	1711	1673	1641	1607	1563	1490
				Heating Rise (°F)	37	38	39	40	41	41	42	44	46
				Heating Rise (°C)	21	21	22	22	23	23	24	24	25
		Med–High	Orange	CFM	2001	1958	1923	1883	1831	1776	1705	1624	1538
				Heating Rise (°F)	NA	35	35	36	37	38	40	42	44
				Heating Rise (°C)	NA	19	20	20	21	21	22	23	25
		High	Black	CFM	2292	2238	2158	2049	1935	1840	1732	1635	1513
				Heating Rise (°F)	NA	NA	NA	NA	35	37	39	42	45
				Heating Rise (°C)	NA	NA	NA	NA	20	21	22	23	25

UNIT AIRFLOW, Horizontal and Downflow Discharge, 230 Volts, Dry Coil

Unit PGD5, PGS5	Heating Rise Range	Motor Speed	Wire Color		External Static Pressure (”WC)								
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
60115	30 – 60°F (17 – 33°C)	Low1	Blue	CFM	1320	1256	1211	1142	1096	1028	973	903	835
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med–Low	Pink	CFM	1351	1295	1258	1212	1170	1124	1080	1036	992
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Medium2	Red	CFM	1824	1782	1742	1711	1673	1641	1607	1563	1490
				Heating Rise (°F)	48	49	50	51	52	53	54	56	58
				Heating Rise (°C)	26	27	28	28	29	29	30	31	32
		Med–High3	Orange	CFM	2001	1958	1923	1883	1831	1776	1705	1624	1538
				Heating Rise (°F)	43	44	45	46	47	49	51	54	56
				Heating Rise (°C)	24	25	25	26	26	27	28	30	31
		High	Black	CFM	2292	2238	2158	2049	1935	1840	1732	1635	1513
				Heating Rise (°F)	38	39	40	42	45	47	50	53	57
				Heating Rise (°C)	21	22	22	24	25	26	28	30	32
60130	35 – 65°F (19 – 36°C)	Low1	Blue	CFM	1320	1256	1211	1142	1096	1028	973	903	835
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med–Low	Pink	CFM	1351	1295	1258	1212	1170	1124	1080	1036	992
				Heating Rise (°F)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Medium2	Red	CFM	1887	1847	1783	1726	1677	1625	1578	1527	1432
				Heating Rise (°F)	51	52	54	56	57	59	61	63	NA
				Heating Rise (°C)	28	29	30	31	32	33	34	35	NA
		Med–High3	Orange	CFM	2001	1958	1923	1883	1831	1776	1705	1624	1538
				Heating Rise (°F)	48	49	50	51	53	54	56	59	63
				Heating Rise (°C)	27	27	28	28	29	30	31	33	35
		High	Black	CFM	2292	2238	2158	2049	1935	1840	1732	1635	1513
				Heating Rise (°F)	42	43	45	47	50	52	56	59	64
				Heating Rise (°C)	23	24	25	26	28	29	31	33	35

* Air delivery values are without air filter and are for dry coil (See Table 15 - PGD5, PGS5 Wet Coil Pressure Drop table).

1 Factory-shipped low stage cooling speed

2 Factory-shipped high stage cooling speed

3Factory-shipped heating speed

"NA" = Not allowed for heating speed

Note: Deduct field-supplied air filter pressure drop and wet coil pressure drop to obtain external static pressure available for ducting.

FILTER PRESSURE DROP

	CFM																		
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
FILTER SIZE	Pressure Drop (inches water column)																		
20 x 24 x 1	—	—	—	—	0.09	0.1	0.11	0.13	0.14	0.15	0.16	—	—	—	—	—	—	—	—
24 x 30 x 1	—	—	—	—	—	—	—	0.07	0.08	0.09	0.1	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18
24 x 36 x 1	—	—	—	—	—	—	—	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.14	0.14

Minimum Filter Requirements:
20 x 24 x 1 = PGD524, PGS524
24 x 30 x 1 = PGD536, PGS536
24 x 36 x 1 = PGD548, PGS548, PGD560, PGS560

WET COIL PRESSURE DROP (in wc)

Unit Size	STANDARD CFM (SCFM)															
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
24	0.005	0.007	0.010	0.012	0.015	–	–	–	–	–	–	–	–	–	–	–
36	–	–	–	0.019	0.023	0.027	0.032	0.037	0.042	0.047	–	–	–	–	–	–
48	–	–	–	–	–	–	0.027	0.032	0.036	0.041	0.046	0.052	0.057	0.063	0.068	–
60	–	–	–	–	–	–	–	–	–	0.029	0.032	0.036	0.040	0.045	0.049	0.053

UNIT ELECTRICAL SPECIFICATIONS

MODEL NUMBER PGD5, PGS5	Nominal V–PH–HZ	Voltage Range		Compressor		OFM	IFM	IDM	Power Supply	
		Min.	Max.	RLA	LRA	FLA	FLA	FLA	MCA	MOCP
24040	208/230–1–60	187	253	10.3	52	0.9	4.1	0.65	17.9	25
24060				10.3	52	0.9	4.1	1.65	17.9	25
36060				16.7	82	0.9	6.0	1.65	27.8	40
36090				16.7	82	0.9	6.0	0.65	27.8	40
48090				21.2	96	1.5	7.6	0.65	35.6	50
48115				21.2	96	1.5	7.6	1.65	35.6	50
48130				21.2	96	1.5	7.6	0.52	35.6	50
60090				25.6	118	1.9	7.6	0.65	41.5	60
60115				25.6	118	1.9	7.6	1.65	41.5	60
60130				25.6	118	1.9	7.6	0.52	41.5	60

LEGEND
FLA = Full Load Amps
LRA = Locked Rotor Amps
MCA = Minimum Circuit Ampacity
MOCP = Maximum Overcurrent Protection
RLA = Rated Load Amps

1. In compliance with NEC (National Electrical Code) requirements for multimotor and combination load equipment (refer to NEC Articles 430 and 440), the overcurrent protective device for the unit shall be Power Supply fuse. The CGA (Canadian Gas Association) units may be fuse or circuit breaker.
2. Minimum wire size is based on 60 C copper wire. If other than 60 C wire is used, or if length exceeds wire length in table, determine size from NEC.

c UL US LISTED

PGD5, PGS524 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
700	57	21.77	21.77	1.61	20.88	20.88	1.79	19.95	19.95	2.00	18.94	18.94	2.23	17.86	17.86	2.48	16.66	16.66	2.77
	62	22.40	18.69	1.61	21.29	18.21	1.80	20.13	17.70	2.00	18.95	18.95	2.23	17.86	17.86	2.48	16.66	16.66	2.77
	63	22.85	15.18	1.62	21.71	14.70	1.80	20.52	14.21	2.01	19.25	13.70	2.23	17.90	13.16	2.48	16.42	12.58	2.77
	67	24.66	15.72	1.64	23.44	15.24	1.83	22.15	14.75	2.03	20.79	14.24	2.26	19.34	13.70	2.51	17.74	13.12	2.79
	72	27.16	12.75	1.67	25.83	12.28	1.86	24.42	11.80	2.06	22.94	11.29	2.29	21.33	10.76	2.54	19.57	10.18	2.83
800	57	22.76	22.76	1.64	21.81	21.81	1.82	20.81	20.81	2.03	19.74	19.74	2.26	18.58	18.58	2.51	17.29	17.29	2.80
	62	22.97	20.16	1.64	21.84	21.76	1.82	20.81	20.81	2.03	19.74	19.74	2.26	18.58	18.58	2.51	17.29	17.29	2.80
	63	23.39	16.20	1.64	22.19	15.71	1.83	20.94	15.21	2.03	19.62	14.69	2.26	18.22	14.14	2.51	16.69	13.54	2.79
	67	25.22	16.81	1.67	23.94	16.32	1.85	22.60	15.82	2.05	21.18	15.30	2.28	19.67	14.74	2.53	18.01	14.14	2.82
	72	27.77	13.43	1.70	26.37	12.96	1.88	24.90	12.48	2.09	23.35	11.95	2.31	21.66	11.41	2.57	20.60	11.05	2.57

PGD5, PGS524 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
525	57	16.65	16.65	1.05	15.95	15.95	1.20	15.21	15.21	1.37	14.40	14.40	1.57	13.52	13.52	1.80	12.55	12.55	2.07
	62	17.20	14.47	1.06	16.29	14.07	1.21	15.34	13.65	1.37	14.40	14.40	1.57	13.52	13.52	1.80	12.55	12.55	2.07
	63	17.61	11.75	1.06	16.69	11.36	1.21	15.70	10.96	1.38	14.64	10.53	1.57	13.50	10.07	1.80	12.27	9.58	2.06
	67	19.23	12.26	1.08	18.23	11.87	1.22	17.18	11.47	1.39	16.05	11.03	1.58	14.83	10.58	1.81	13.50	10.09	2.07
	72	21.48	10.05	1.09	20.41	9.66	1.24	19.26	9.26	1.41	18.02	8.84	1.60	16.69	8.39	1.83	15.24	7.90	2.09
600	57	17.52	17.52	1.08	16.77	16.77	1.23	15.96	15.96	1.39	15.10	15.10	1.59	14.15	14.15	1.82	13.11	13.11	2.09
	62	17.71	15.66	1.08	16.78	16.75	1.23	15.96	15.96	1.39	15.10	15.10	1.59	14.15	14.15	1.82	13.12	13.12	2.09
	63	18.10	12.58	1.08	17.12	12.18	1.23	16.09	11.76	1.39	14.98	11.32	1.59	13.80	10.85	1.81	12.51	10.35	2.08
	67	19.75	13.14	1.09	18.71	12.74	1.24	17.60	12.32	1.41	16.41	11.88	1.60	15.14	11.41	1.83	13.76	10.91	2.09
	72	22.06	10.61	1.11	20.93	10.21	1.26	19.72	9.80	1.43	18.41	9.36	1.62	17.03	8.91	1.85	15.51	8.41	2.11

PGD5, PGS536 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1050	57	33.64	33.64	2.28	32.32	32.32	2.53	30.90	30.90	2.81	29.36	29.36	3.11	27.65	27.65	3.46	25.71	25.71	3.84
	62	34.47	28.72	2.29	32.83	28.00	2.54	31.11	27.24	2.81	29.36	29.36	3.11	27.65	27.65	3.46	25.71	25.71	3.84
	63	35.12	23.25	2.29	33.44	22.56	2.54	31.65	21.83	2.81	29.73	21.07	3.12	27.64	20.25	3.45	25.33	19.35	3.83
	67	37.76	24.04	2.32	35.94	23.34	2.57	34.00	22.61	2.84	31.91	21.83	3.15	29.65	21.00	3.49	27.14	20.10	3.87
	73	42.16	18.41	2.37	40.12	17.73	2.62	37.93	17.01	2.90	35.58	16.24	3.20	33.02	15.43	3.54	30.21	14.53	3.92
1200	57	35.06	35.06	2.32	33.64	33.64	2.58	32.12	32.12	2.85	30.46	30.46	3.16	28.63	28.63	3.50	26.56	26.56	3.89
	62	35.29	30.91	2.33	33.64	33.64	2.58	32.12	32.12	2.85	30.46	30.46	3.16	28.63	28.63	3.50	26.56	26.56	3.89
	63	35.86	24.79	2.33	34.09	24.08	2.58	32.22	23.34	2.85	30.23	22.56	3.15	28.05	21.71	3.49	25.66	20.78	3.87
	67	38.52	25.68	2.36	36.62	24.97	2.61	34.60	24.22	2.88	32.43	23.43	3.19	30.06	22.57	3.53	27.47	21.64	3.90
	73	42.99	19.31	2.41	40.85	18.61	2.66	38.57	17.87	2.93	36.13	17.09	3.24	33.48	16.25	3.58	30.56	15.35	3.96

PGD5, PGS536 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
745	57	23.27	23.27	1.46	22.34	22.34	1.65	21.31	21.31	1.87	20.19	20.19	2.12	18.95	18.95	2.41	17.58	17.58	2.76
	62	23.91	20.06	1.46	22.70	19.54	1.65	21.41	18.97	1.87	20.19	20.19	2.12	18.95	18.95	2.41	17.58	17.58	2.76
	63	24.46	16.28	1.47	23.21	15.77	1.66	21.87	15.23	1.87	20.42	14.65	2.12	18.85	14.03	2.41	17.14	13.36	2.75
	67	26.63	16.96	1.48	25.29	16.45	1.67	23.85	15.90	1.89	22.28	15.32	2.14	20.58	14.69	2.43	18.72	14.02	2.77
	72	29.67	13.86	1.51	28.20	13.35	1.70	26.61	12.81	1.91	24.89	12.23	2.16	23.01	11.60	2.45	20.96	10.93	2.79
850	57	24.45	24.45	1.48	23.43	23.43	1.67	22.33	22.33	1.89	21.11	21.11	2.14	19.80	19.80	2.44	18.32	18.32	2.78
	62	24.61	21.68	1.48	23.43	23.43	1.67	22.33	22.33	1.89	21.12	21.12	2.14	19.80	19.80	2.44	18.32	18.32	2.78
	63	25.11	17.42	1.49	23.80	16.89	1.68	22.39	16.34	1.89	20.88	15.74	2.14	19.24	15.10	2.43	17.46	14.42	2.77
	67	27.33	18.17	1.50	25.92	17.64	1.69	24.40	17.08	1.91	22.76	16.48	2.15	20.99	15.84	2.44	19.06	15.15	2.78
	72	30.44	14.64	1.53	28.89	14.12	1.71	27.21	13.55	1.93	25.40	12.96	2.17	23.45	12.33	2.46	21.30	11.65	2.80

PGD5, PGS548 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1400	57	44.39	44.39	3.40	42.70	42.70	3.71	40.87	40.87	4.05	38.88	38.88	4.43	36.67	36.67	4.84	34.16	34.16	5.30
	62	45.43	38.20	3.41	43.33	37.29	3.72	41.11	36.31	4.05	38.87	38.87	4.43	36.67	36.67	4.84	35.30	35.30	4.84
	63	46.29	30.85	3.42	44.11	29.95	3.73	41.79	29.00	4.06	39.28	28.00	4.43	36.54	26.91	4.84	33.51	25.73	5.29
	67	50.04	32.01	3.46	47.71	31.11	3.77	45.21	30.16	4.11	42.50	29.14	4.48	41.00	28.60	4.43	36.24	26.85	5.34
	72	55.24	25.88	3.53	52.68	24.98	3.84	49.93	24.04	4.18	46.96	23.04	4.55	45.43	22.53	4.52	40.04	20.75	5.41
1600	57	46.32	46.32	3.48	44.10	44.10	3.79	42.54	42.54	4.13	40.41	40.41	4.51	38.04	38.04	4.92	36.62	36.62	4.93
	62	46.57	41.09	3.48	44.43	44.43	3.79	42.54	42.54	4.13	41.40	41.40	4.51	38.04	38.04	4.92	36.61	36.61	4.93
	63	47.25	32.81	3.49	44.97	31.89	3.80	42.55	30.92	4.13	39.95	29.90	4.50	37.11	28.80	4.91	33.97	27.59	5.36
	67	51.07	34.10	3.53	48.62	33.18	3.84	46.00	32.20	4.18	43.19	31.17	4.55	40.12	30.06	4.96	38.36	29.43	4.97
	72	56.36	27.17	3.60	53.67	26.25	3.91	50.80	25.29	4.25	47.69	24.26	4.62	44.30	23.15	5.03	42.55	22.59	5.06

PGD5, PGS548 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
965	57	31.49	31.49	2.22	30.30	30.30	2.49	29.02	29.02	2.78	27.63	27.63	3.12	26.10	26.10	3.51	24.40	24.40	3.96
	62	32.49	27.41	2.21	30.96	26.74	2.48	29.34	26.03	2.78	27.64	27.57	3.12	26.10	26.10	3.51	24.40	24.40	3.97
	63	33.19	22.28	2.21	31.62	21.62	2.48	29.95	20.92	2.78	28.14	20.18	3.12	26.19	19.39	3.52	24.04	18.53	3.97
	67	36.14	23.21	2.21	34.45	22.54	2.47	32.65	21.84	2.77	30.72	21.10	3.10	28.62	20.30	3.49	26.31	19.44	3.94
	72	40.19	19.02	2.21	38.34	18.36	2.46	36.37	17.67	2.75	34.25	16.93	3.08	31.95	16.14	3.46	29.40	15.29	3.90
1100	57	33.04	33.04	2.24	31.76	31.76	2.50	30.39	30.39	2.80	28.90	28.90	3.13	27.27	27.27	3.52	25.45	25.45	3.97
	62	33.42	29.57	2.23	31.85	28.86	2.50	30.39	30.39	2.80	28.90	28.90	3.13	27.27	27.27	3.52	25.45	25.45	3.97
	63	34.05	23.76	2.23	32.40	23.08	2.50	30.64	22.37	2.80	28.77	21.61	3.14	26.73	20.81	3.53	24.50	19.92	3.99
	67	37.06	24.78	2.23	35.29	24.10	2.49	33.40	23.38	2.78	31.39	22.62	3.12	29.20	21.81	3.51	26.79	20.93	3.95
	72	41.21	20.03	2.23	39.26	19.35	2.48	37.19	18.64	2.77	34.96	17.88	3.10	32.54	17.07	3.48	29.89	16.19	3.92

PGD5, PGS560 EXTENDED COOLING PERFORMANCE – HIGH COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
2000	57	58.24	58.24	4.41	55.10	55.10	4.84	54.80	54.80	4.69	52.40	52.40	5.23	46.70	46.70	6.40	42.90	42.90	7.02
	62	58.46	54.46	4.42	55.79	55.79	4.84	55.36	55.36	4.69	52.73	52.73	5.23	46.94	46.94	6.40	43.20	43.20	7.02
	63	59.23	43.33	4.42	56.27	42.07	4.85	55.68	41.83	4.69	52.48	40.49	5.22	45.80	37.74	6.37	41.56	36.02	6.97
	67	63.56	44.86	4.50	60.35	43.59	4.92	56.88	42.24	5.38	56.62	42.14	5.33	48.97	39.21	6.44	44.37	37.49	7.05
	72	69.55	35.33	4.59	66.01	34.07	5.02	62.20	32.73	5.48	58.07	31.30	5.99	53.51	29.74	6.54	48.46	28.03	7.15
1750	57	56.01	56.01	4.29	53.76	53.76	4.72	51.30	51.30	5.19	50.80	50.80	5.08	45.20	45.20	6.27	41.70	41.70	6.89
	62	57.19	50.62	4.31	54.45	49.37	4.73	51.51	48.01	5.19	50.93	47.74	5.08	45.50	45.50	6.27	41.99	41.99	6.89
	63	58.18	40.75	4.32	55.35	39.51	4.74	52.28	38.20	5.20	51.66	37.95	5.10	45.27	35.27	6.26	41.16	33.59	6.87
	67	62.48	42.11	4.39	59.41	40.86	4.81	57.00	39.90	5.18	55.71	39.39	5.21	48.47	36.58	6.34	44.00	34.88	6.94
	72	68.41	33.69	4.48	65.01	32.46	4.91	61.35	31.14	5.37	57.37	29.72	5.88	52.97	28.19	6.44	48.09	26.53	7.04

PGD5, PGS560 EXTENDED COOLING PERFORMANCE – LOW COOL

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES deg F																	
		75 (23.8°C)			85 (29.4°C)			95 (35°C)			105 (40.5°C)			115 (46.1°C)			125 (51.6°C)		
CFM	EWB	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW	Capacity MBtuh		Total System KW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1200	57	39.88	39.88	2.70	38.34	38.34	3.04	36.64	36.64	3.43	34.74	34.74	3.87	31.90	31.90	4.37	29.70	29.70	4.94
	62	40.94	35.96	2.69	39.01	35.09	3.04	36.90	34.14	3.43	34.90	34.90	3.87	32.60	32.60	4.37	30.16	30.16	4.94
	63	41.76	29.14	2.69	39.78	28.27	3.04	37.61	27.34	3.42	35.23	26.33	3.87	32.61	25.22	4.37	29.69	24.04	4.96
	67	45.04	30.17	2.68	42.87	29.29	3.02	40.50	28.35	3.40	37.91	27.31	3.84	35.04	26.21	4.33	31.84	25.00	4.90
	72	49.59	24.40	2.68	47.18	23.52	3.01	44.52	22.56	3.38	41.68	21.55	3.80	38.47	20.43	4.28	34.93	19.21	4.84
1370	57	41.69	41.69	2.72	40.00	40.00	3.07	37.90	37.90	3.45	35.45	35.45	3.89	33.62	33.62	4.38	30.90	30.90	4.95
	62	41.98	38.83	2.72	40.02	40.02	3.07	38.18	38.18	3.45	36.13	36.13	3.89	33.82	33.82	4.38	31.19	31.19	4.95
	63	42.72	31.09	2.72	40.63	30.20	3.07	38.35	29.24	3.45	35.86	28.21	3.89	33.13	27.09	4.40	30.10	25.87	4.98
	67	46.03	32.23	2.72	43.75	31.34	3.05	41.27	30.36	3.43	38.55	29.32	3.86	35.56	28.18	4.36	32.25	26.93	4.92
	72	50.62	25.68	2.71	48.09	24.78	3.04	45.37	23.83	3.41	42.32	22.77	3.83	39.01	21.64	4.31	35.34	20.40	4.86

* 63°F Ewb is at 75°F entering dry bulb – Tennessee Valley Authority [TVA] rating conditions; all others at 80°F entering dry bulb.

LEGEND: BF — Bypass Factor Ewb — Entering Wet Bulb kW — Total Unit Power Input SHC — Sensible Heat Capacity (x1000 Btuh) TC — Total Capacity (x1000 Btuh) (net)

NOTES:
1. Ratings are net; they account for the effects of the evaporator fan motor power and heat.
2. Direct interpolation is permissible. Do not extrapolate.
3. The following formulas may be used:

$$t_{Ldb} = t_{Edb} - \frac{\text{Sensible Capacity (BTU/h)}}{1.10 \times \text{cfm}}$$

$$h_{Lwb} = h_{Ewb} - \frac{\text{Total Capacity (BTU/h)}}{4.5 \times \text{cfm}}$$

Where: h_{Ewb} = Enthalpy of air entering evaporator coil

t_{Lwb} = Wet bulb temperature corresponding to enthalpy of air leaving evaporator coil (h_{Lwb})

4. The SHC is based on 80°F Edb temperature of air entering evaporator coil.
Below 80°F Edb, subtract (corr factor x cfm) from SHC.
Above 80°F Edb, add (corr factor x cfm) to SHC. Correction Factor = 1.10 x (1 + BF) x (Edb + 80).

Unit PG(D,S)5	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT IN/MM	CENTER OF GRAVITY IN/MM					
		LB	KG	"A"	X		Y		Z	
24	208/230-1-60	428	194.0	44-3/4 1136.7	19-3/4	501.7	14-3/4	374.7	16-5/8	422.3

Unit PG(D,S)5	VOLTAGE	CORNER WEIGHT LB/KG							
		"1"		"2"		"3"		"4"	
24	208/230	85.6	38.8	68.4	31.1	102.7	46.6	171.1	77.7

REQUIRED CLEARANCES NO COMBUSTIBLE MAIL. INCHES [MM]

TOP OF UNIT	14 [355.6]
DUCT SIDE OF UNIT	2 [50.8]
SIDE OPPOSITE DUCTS	14 [355.6]
BOTTOM OF UNIT	0 [0.0]
ELECTRICAL PANEL	36 [914.4]

NEC. REQUIRED CLEARANCES. INCHES [MM]

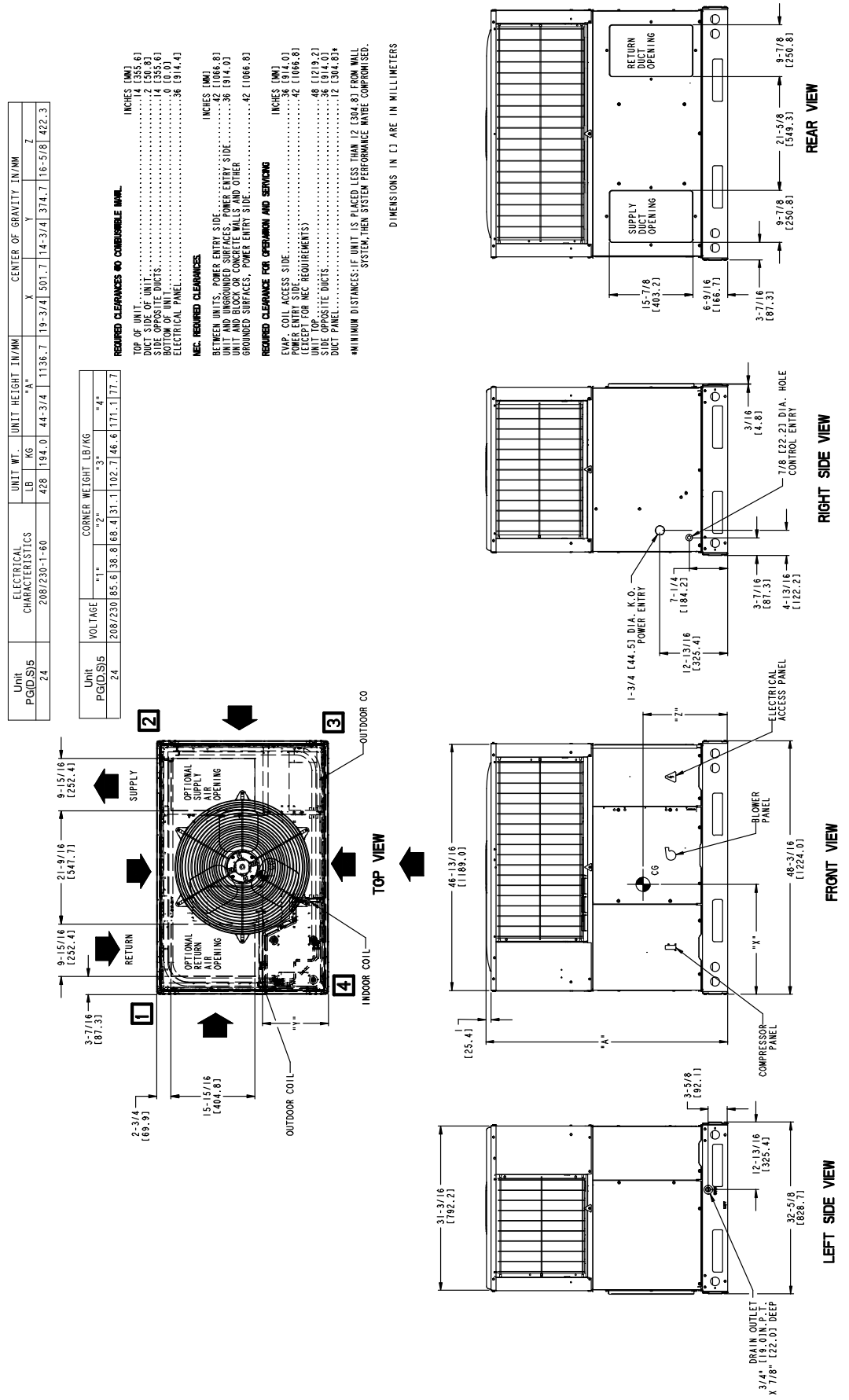
BETWEEN UNITS, POWER ENTRY SIDE	42 [1066.8]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE	36 [914.0]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	42 [1066.8]

REQUIRED CLEARANCE FOR OPERAMON AND SERVICING INCHES [MM]

EVAP. COIL ACCESS SIDE	36 [914.0]
POWER ENTRY SIDE (EXCEPT FOR NEC REQUIREMENTS)	42 [1066.8]
UNIT TOP	48 [1219.2]
SIDE OPPOSITE DUCTS	36 [914.0]
DUCT PANEL	12 [304.8]*

*MINIMUM DISTANCES:IF UNIT IS PLACED LESS THAN 12 [304.8] FROM WALL SYSTEM,THEN SYSTEM PERFORMANCE MAYBE COMPROMISED.

DIMENSIONS IN [] ARE IN MILLIMETERS



Unit PG(D,S)5	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT IN/MM	CENTER OF GRAVITY IN/MM					
		LB	KG	"A"	X		Y		Z	
36	208/230-1-60	492	223.3	48-3/4 1238.3	19-1/2	495.3	16-1/2	419.1	16-5/8	422.3
48	208/230-1-60	520	236.0	50-3/4 1289.1	19-1/2	495.3	16-1/2	419.1	17-5/8	447.7
60	208/230-1-60	563	255.5	54-3/4 1390.7	19-1/2	495.3	16-1/2	419.1	18	457.2

Unit PG(D,S)5	VOLTAGE	CORNER WEIGHT LB/KG							
		"1"		"2"		"3"		"4"	
36	208/230	98.4	44.7	78.8	35.8	118.1	53.6	196.9	89.4
48	208/230	104.0	47.2	83.2	37.8	124.9	56.7	208.1	94.5
60	208/230	112.6	51.1	90.1	40.9	135.2	61.4	225.3	102.3

REQUIRED CLEARANCES 60 COMBUSTIBLE MATL. INCHES [MM]

TOP OF UNIT.....14 [355.6]
DUCT SIDE OF UNIT.....2 [355.6]
SIDE OPPOSITE DUCTS.....14 [355.6]
BOTTOM OF UNIT.....0 [0.0]
ELECTRICAL PANEL.....36 [914.4]

NEC. REQUIRED CLEARANCES. INCHES [MM]

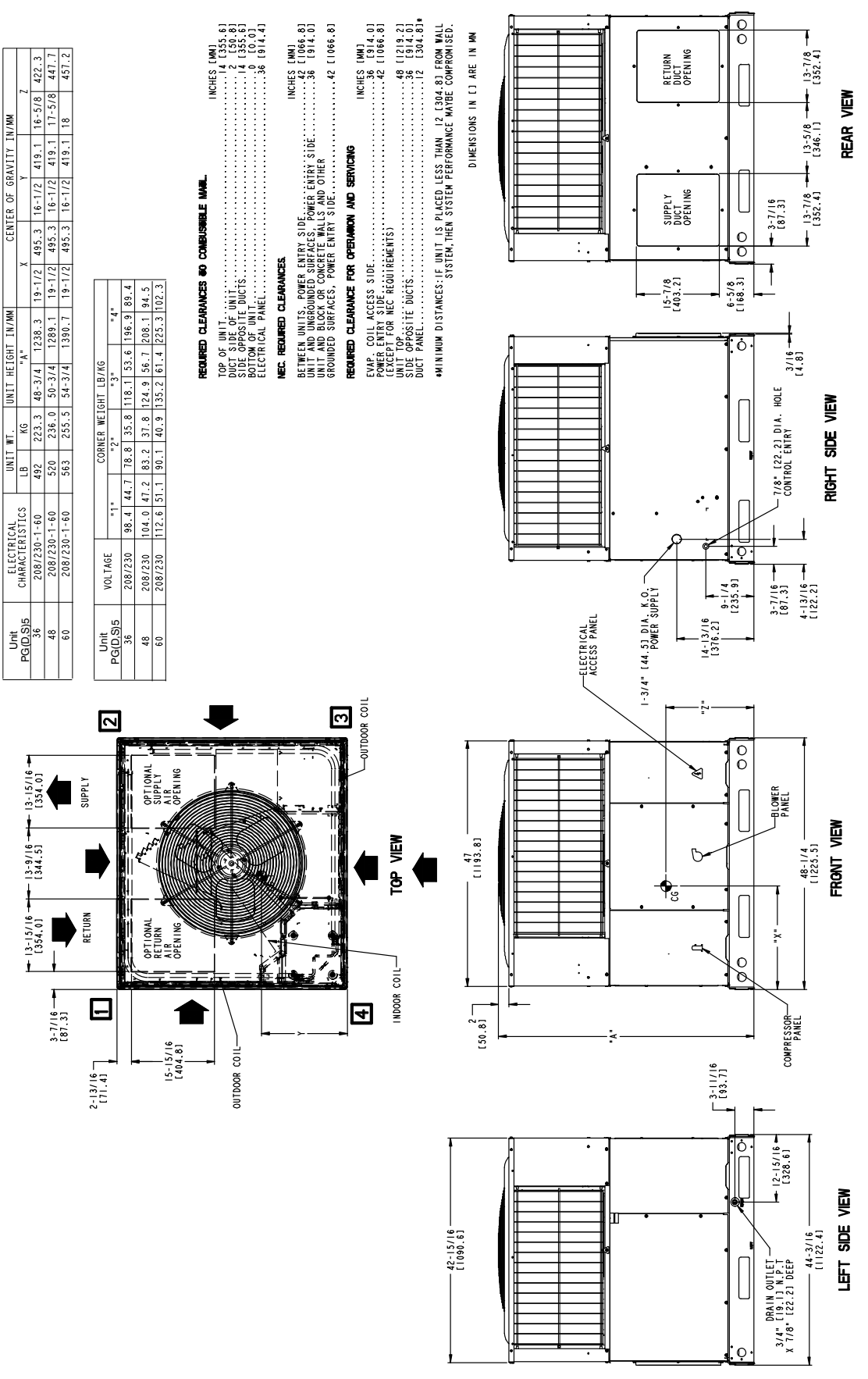
BETWEEN UNITS, POWER ENTRY SIDE.....42 [1066.8]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE.....36 [914.0]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER
GROUNDED SURFACES, POWER ENTRY SIDE.....42 [1066.8]

REQUIRED CLEARANCE FOR OPERATION AND SERVICING INCHES [MM]

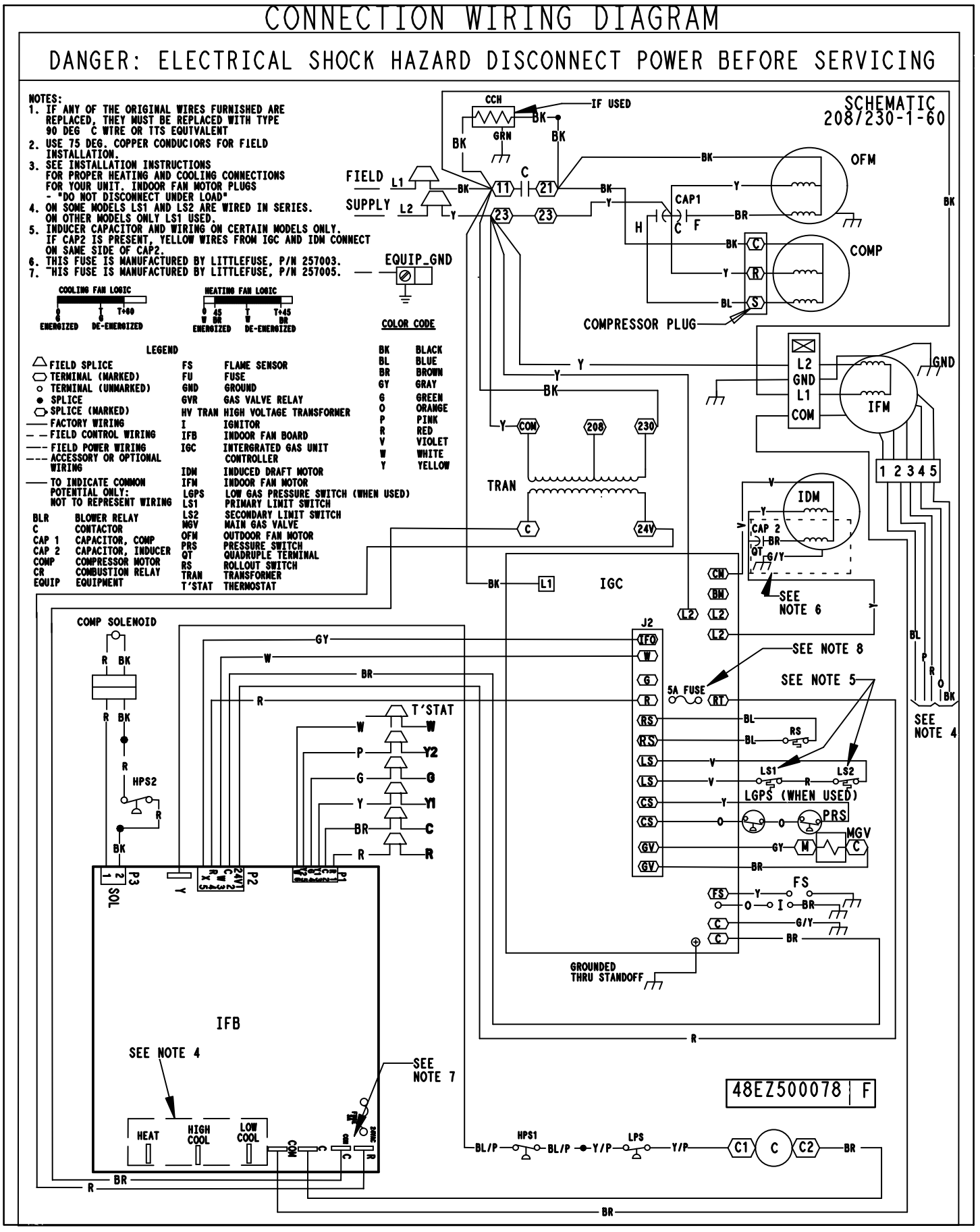
EVAP. COIL ACCESS SIDE.....36 [914.0]
POWER ENTRY SIDE.....42 [1066.8]
(EXCEPT FOR NEC REQUIREMENTS)
UNIT TOP.....48 [1219.2]
SIDE OPPOSITE DUCTS.....36 [914.0]
DUCT PANEL.....12 [304.8]*

*MINIMUM DISTANCES: IF UNIT IS PLACED LESS THAN 12 [304.8] FROM WALL SYSTEM, THEN SYSTEM PERFORMANCE MAYBE COMPROMISED.

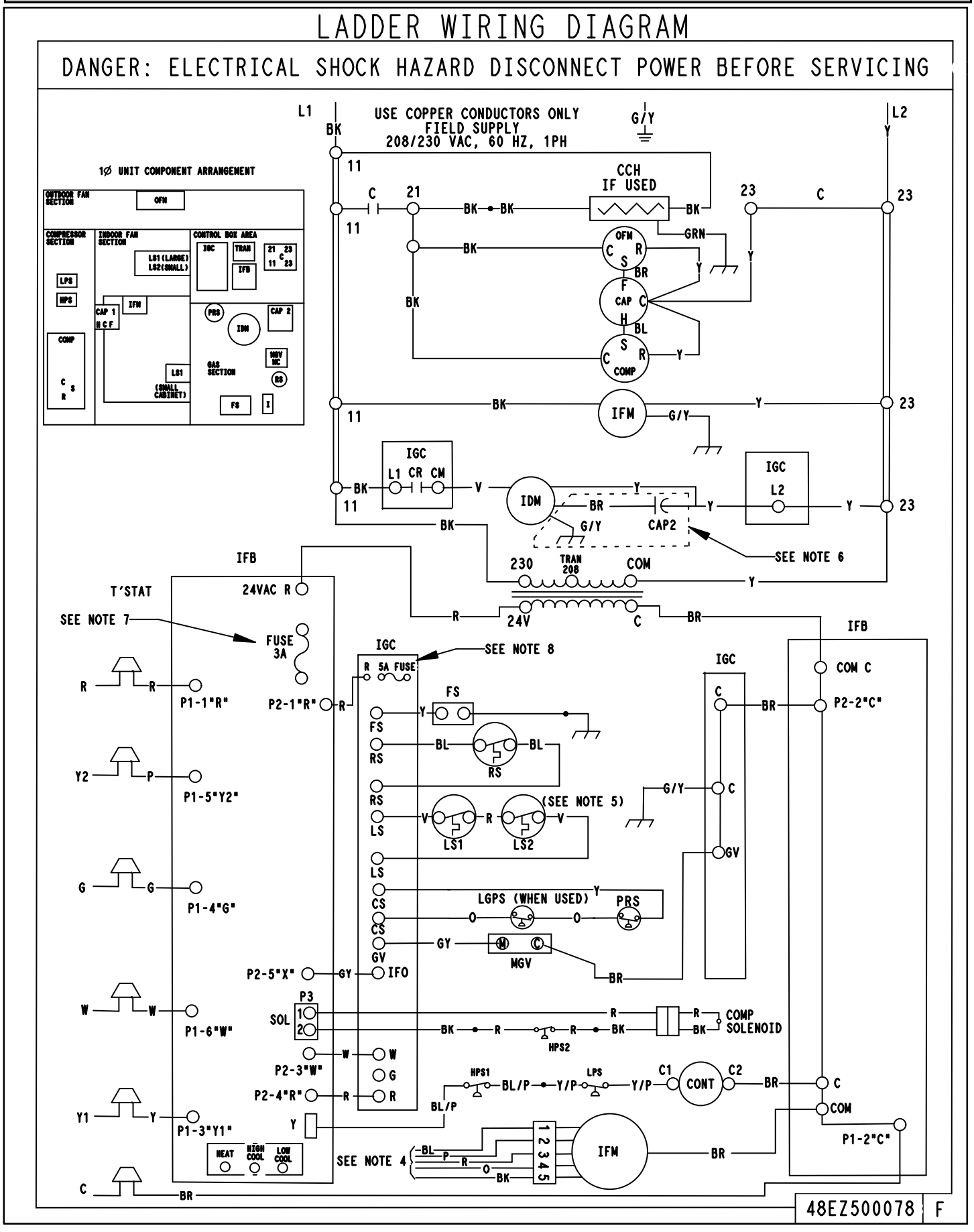
DIMENSIONS IN [ ] ARE IN MM



WIRING SCHEMATIC – ALL MODELS



WIRING SCHEMATIC – ALL MODELS



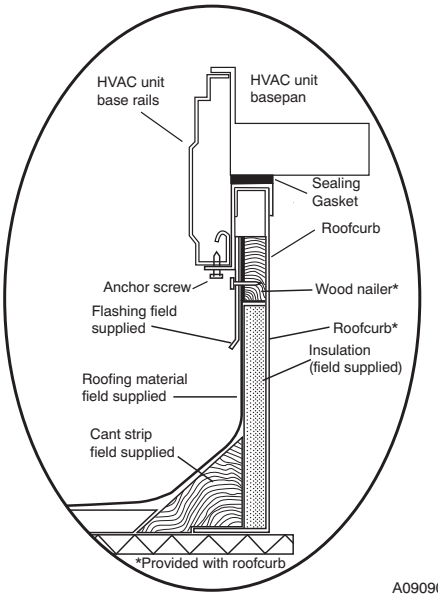
Operating sequence

Heating – On a call for heating, terminal “W” of the thermostat is energized, starting the induced–draft motor. When the pressure switch senses that the induced–draft motor is moving sufficient combustion air, the burner sequence begins. This function is performed by the integrated gas unit controller (IGC). The indoor (evaporator)–fan motor is energized 45 sec after flame is established. When the thermostat is satisfied and W is de–energized, the burners stop firing and the indoor (evaporator) fan motor shuts off after a 45–sec time–off delay.

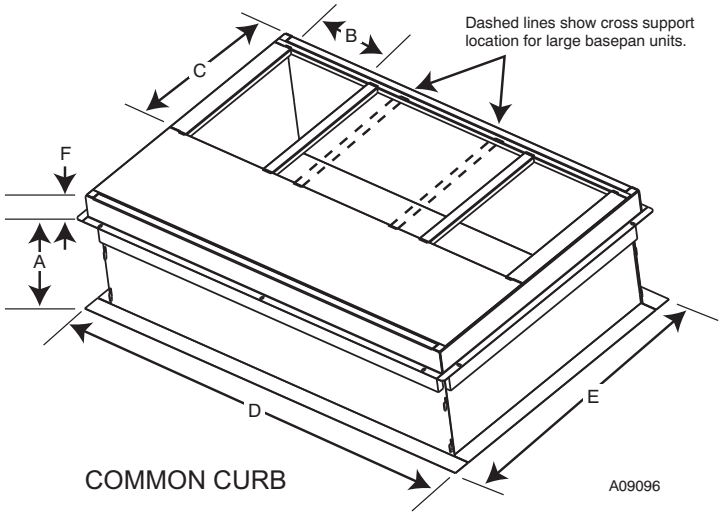
Cooling Operation – With a call for first stage cooling, the outdoor fan and low–stage compressor are energized. If low–stage cannot satisfy cooling demand, high–stage is energized by the thermostat. After second stage is satisfied, the unit returns to low–stage operation until first stage is satisfied or until second stage is required again. When both first stage and second stage cooling are satisfied, the compressor will shut off.

NOTE: When two–stage unit is operating at low stage, system vapor (suction) pressure will be higher than a standard single–stage system or high–stage operation.

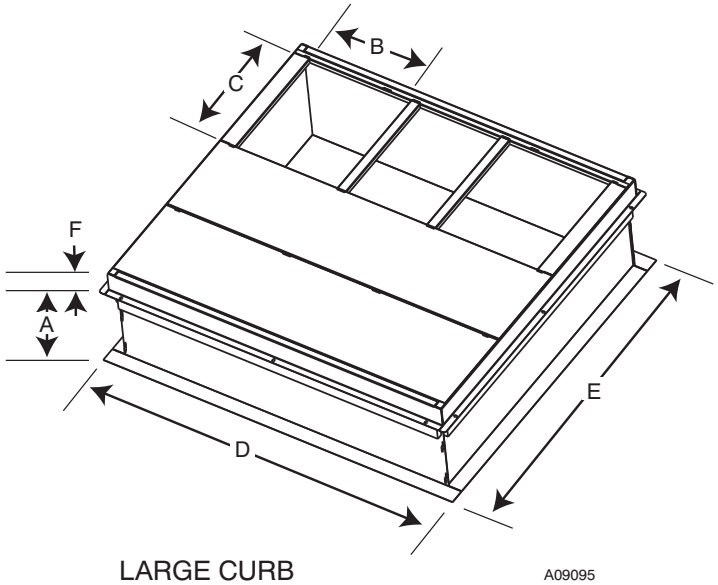
ROOF CURBS



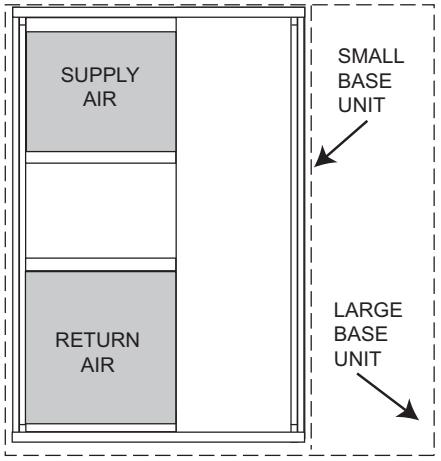
ROOF CURB DETAIL



COMMON CURB



LARGE CURB



UNIT PLACEMENT ON COMMON CURB

SMALL OR LARGE BASE UNIT

UNIT SIZE	CATALOG NUMBER	A IN. (mm)	B (small base) IN. (mm)*	B (large base) IN. (mm)*	C IN. (mm)	D IN. (mm)	E IN. (mm)	F IN. (mm)
Small or Large	CPRFCURB010A00	11 (279)	10 (254)	14 (356)	16 (406)	47.8 (1214)	32.4 (822)	2.7 (69)
	CPRFCURB011A00	14 (356)						
Large	CPRFCURB012A00	11 (279)	14 (356)				43.9 (1116)	
	CPRFCURB013A00	14 (356)						

* Part Numbers CPRCURB010A00 and CPRCURB011A00 can be used on both small and large basepan units. The cross supports must be located based on whether the unit is a small basepan or a large basepan.

NOTES:

1. Roof curb must be set up for unit being installed.
2. Seal strip must be applied, as required, to unit being installed.
3. Roof curb is made of 16–gauge steel.
4. Attach ductwork to curb (flanges of duct rest on curb).
5. Insulated panels: 1–in. (25.4 mm) thick fiberglass 1 lb. density.

PGD5, PGS5 ACCESSORIES (Continued)		
Accessory Model Number	**Description**	**Use With**
CURBS		
CPRFCURB010A00	Roof Curb, 11” High	24 – 60
CPRFCURB011A00	Roof Curb, 14” High	24 – 60
CPRFCURB012A00	Roof Curb, 11” High	36 – 60
CPRFCURB013A00	Roof Curb, 14” High	36 – 60
Note: CPRFCURB010A00 AND CPRFCURB011A00 can be used with 36–60 size units with some overhang.		
ADAPTER CURBS*		
CPADCURB001A00	Adapter curb for use with NPRFCURB006A00 & NPRFCURB007A00	24
CPADCURB002A00	Adapter curb for use with NPRFCURB008A00 & NPRFCURB009A00	36 – 60
* Can also be used when replacing other manufacturer’s older generation units that contain a composite base without a metal base rail.		
CONCENTRIC ADAPTERS – (Use with curb only)		
NPCONADP001A00	For 18” round duct (use with curbs CPRFCURB010A00, CPRFCURB011A00)	Small Curb
NPCONADP002A00	For 18” round duct (use with curbs CPRFCURB012A00, CPRFCURB013A00)	Large Curb
CONCENTRIC DIFFUSERS – (Ceiling or under roof)		
AXB020CSA*	Step Down Diffuser – Fits 2’ x 4’ Ceiling Grid (16” round collars for flex conn.)	24 – 36
AXB020CFA*	Flush Mount Diffuser – Fits 2’ x 4’ Ceiling Grid (16” round collars for flex conn.)	24 – 36
AXB030CSA	Step Down Diffuser – Fits 2’ x 4’ Ceiling Grid (18” round collars for flex conn.)	24 – 60
AXB030CFA	Flush Mount Diffuser – Fits 2’ x 4’ Ceiling Grid (18” round collars for flex conn.)	24 – 60
* A field supplied 18” to 16” round reducer required when used with NP concentric adaptor		
DAMPERS		
CPMANDPR007A00	Manual Outside Air Damper – (Includes filter rack and 1” filter, same as CPFILTRK kit)	24
CPMANDPR008A00		36
CPMANDPR009A00		48, 60
INTERNAL FILTER RACKS		
CPFILTRK007A00	Internal Filter Rack (includes 1–inch filters)	24
CPFILTRK008A00		36
CPFILTRK009A00		48, 60
LOW AMBIENT, ANTI–CYCLE, COMPRESSOR START ASSIST		
CPLOWAMB001A00	Low Ambient Control – enables cooling system to operate down to 0 Deg. F by cycling condenser fan on and off.	ALL
NRTIMEGD001A00	Five Minute Compressor Delay	ALL
CPHSTART002A00	PTC Compressor Start Assist Kit	ALL
CRANKCASE HEATERS		
CPCRKHTR0004A00	Crankcase Heater	24
GAS CONVERSION KITS		
NPLPCONV013A00	Natural to LP Conversion Kit (0 – 2000’)	ALL
NPLPCONV014A00	Natural to LP Conversion Kit (2001’ – 6000’)	ALL
NPNGCONV004A00	LP to Natural Gas Conversion Kit (0 – 2000’)	ALL
FLUE DISCHARGE DEFLECTOR		
CRFLUEDS001A00	Directs flue gas exhaust 90 degrees upward from current discharge. Designed to allow tighter distances between unit and combustible surfaces. 24 inch Height. AGA certified.	ALL
DUCT TRANSITIONS		
NPDUCFLG002A00	Square to Round (1 set of 2, use with horizontal duct flanges only)	24–48
HAIL GUARDS / COIL PROTECTION (Factory installed on PGS models)		
NAPA00701GR	3/8” spacing dense wire grilles	24
NAPA01001GR	3/8” spacing dense wire grilles	36
NAPA01101GR	3/8” spacing dense wire grilles	48
NAPA01301GR	3/8” spacing dense wire grilles	60