Comfortmaker®
Air Conditioning & Heating

PGD4, PGS4
Product Specifications

14 SEER, 12 EER, 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
- Scroll compressor standard on all models
- Dehumidification mode (airflow reduction) 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
- Pre–painted steel cabinet
- Direct spark ignition
- High efficiency ECM indoor blower motor on all models
- Aluminized steel tubular heat exchanger on PGD4 models; Stainless Steel tubular heat exchanger on PGS4 models
- Vertical condenser fan discharge
- Full perimeter steel base rails
- High and low pressure switches provide added reliability for the compressor
- PGS4 with tin–coated copper evaporator coil standard

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ENERGY STAR PARTNER

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

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 .

WARRANTY*
- 5 year No Hassle Replacementt limited warranty on PGS4 models.
- 15 year heat exchanger limited warranty on PGD4; Lifetime heat exchanger limited warranty on PGS4 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

Aluminized Steel Heat Exchanger	Stainless Steel Heat Exchanger	COOLING Capacity BTU/h	SEER	EER	HEATING Input BTU/h	Efficiency AFUE %	Unit Dimensions Height x Width x Depth in (mm)	Operating Weight lbs (kg)
PGD424040K00*C	PGS424040KGP*C	23,600	14.5	12.0	40,000	80.0	40 x 48 3/16 x 32 5/8 (1016 x 1224 x 829)	330 (149)
PGD424060K00*C	PGS424060KGP*C	23,600	14.5	12.0	60,000	80.0	40 x 48 3/16 x 32 5/8 (1016 x 1224 x 829)	330 (149)
PGD430040K00*C	PGS430040KGP*C	28,600	14.5	12.0	40,000	80.0	40 x 48 3/16 x 32 5/8 (1016 x 1224 x 829)	342 (155)
PGD430060K00*C	PGS430060KGP*C	28,600	14.5	12.0	60,000	80.0	40 x 48 3/16 x 32 5/8 (1016 x 1224 x 829)	342 (155)
PGD436060K00*C	PGS430060KGP*C	34,200	14.5	12.0	60,000	80.0	46 x 48 3/16 x 32 5/8 (1167 x 1224 x 829)	376 (170)
PGD436090K00*C	PGS436090KGP*C	34,200	14.5	12.0	90,000	79.3	46 x 48 3/16 x 32 5/8 (1167 x 1224 x 829)	376 (170)
PGD442060K00*C	PGS442060KGP*C	41,000	14.5	12.0	60,000	78.5	50 x 48 3/16 x 44 1/8 (1267 x 1224 x 1123)	463 (210)
PGD442090K00*C	PGS442090KGP*C	41,000	14.5	12.0	90,000	80.4	50 x 48 3/16 x 44 1/8 (1267 x 1224 x 1123)	463 (210)
PGD448090K00*C	PGS448090KGP*C	47,000	14.2	12.0	90,000	80.4	50 x 48 3/16 x 44 1/8 (1267 x 1224 x 1123)	481 (218)
PGD448115K00*C	PGS448115KGP*C	47,000	14.2	12.0	115,000	80.3	50 x 48 3/16 x 44 1/8 (1267 x 1224 x 1123)	481 (218)
PGD448130K00*C	PGS448130KGP*C	47,000	14.2	12.0	130,000	78.9	50 x 48 3/16 x 44 1/8 (1267 x 1224 x 1123)	481 (218)
PGD460090K00*C	PGS460090KGP*C	57,000	14.2	12.0	90,000	80.4	54 x 48 3/16 x 44 1/8 (1368 x 1224 x 1123)	509 (231)
PGD460115K00*C	PGS460115KGP*C	57,000	14.2	12.0	115,000	80.3	54 x 48 3/16 x 44 1/8 (1368 x 1224 x 1123)	509 (231)
PGD460130K00*C	PGS460130KGP*C	57,000	14.2	12.0	130,000	78.9	54 x 48 3/16 x 44 1/8 (1368 x 1224 x 1123)	509 (231)

* – 0 = Standard, 1 = Low NOx

MODEL NOMENCLATURE

MODEL SERIES	1	2	3	4	5,6	7,8,9	10	11,12	13	14	15
	P	G	D	4	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
30 = 30,000 BTUH = 2.5 Tons
36 = 36,000 BTUH = 3 Tons
42 = 42,000 BTUH = 3.5 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
H = 208/230–3–60
L = 460–1–60

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

AHRI* CAPACITIES

COOLING CAPACITIES AND EFFICIENCIES

PG(D,S)4	NOMINAL TONS	STANDARD CFM	COOLING CAPACITY	EER	SEER
24	2	800	23600	12.0	14.5
30	2.5	1000	28600	12.0	14.5
36	3	1200	34200	12.0	14.5
42	3.5	1400	41000	12.0	14.5
48	4	1600	47000	12.0	14.2
60	5	1750	57000	12.0	14.2

LEGEND
dB—Sound Levels (decibels)
db—Dry Bulb
SEER—Seasonal Energy Efficiency Ratio
wb—Wet Bulb
COP—Coefficient of Performance
* Air Conditioning, Heating, & Refrigeration Institute.
**At "A" conditions—80°F (26.7°C) indoor db/67°F (19.4°C) indoor wb & 95°F (35°C) outdoor db.

† Rated in accordance with U.S. Government DOE Department of Energy) test procedures and/or AHRI Standards 210/240.
Notes:
1. Ratings are net values, reflecting the effects of circulating fan heat.
Ratings are based on:
Cooling Standard: 80°F (26.7°C) db, 67°F wb (19.4°C) indoor entering—air temperature and 95°F db (35°C) outdoor entering—air temperature.
2. Before purchasing this appliance, read important energy cost and efficiency information available from your retailer.

GAS HEATING CAPACITIES AND EFFICIENCIES

UNIT PG(D,S)4	HEATING INPUT (Btuh)	OUTPUT CAPACITY (Btuh)	TEMPERATURE RISE RANGE °F (°C)	AFUE (%)
24040 **30040**	40,000	32,000	30–60 (17–33)	80.0
24060 **30060** **36060** **42060**	60,000	48,000 48,000 48,000 47,000	25–55 (14–31)	80.0 80.0 80.0 78.5
36090 **42090** **48090** **60090**	90,000	72,000 73,000 73,000 73,000	35–65 (19–36)	79.3 80.4 80.4 80.4
48115 **60115**	115,000	93,000	30–60 (17–33)	80.3
48130 **60130**	130,000	103,000	35–65 (19–36)	78.9

LEGEND
AFUE—Annual Fuel Utilization Efficiency
NOTE: Before purchasing this appliance, read important energy cost and efficiency information available from your retailer.

ELECTRICAL DATA

UNIT	NOMINAL V–PH–HZ	Voltage RANGE		COMPRESSOR		OFM	IFM	IDM	POWER SUPPLY	
		MIN	MAX	RLA	LRA	FLA	FLA	FLA	MCA	MOCP
PG(D,S)424040	208/230–1–60	197	253	13.5	58.3	0.7	4.1	0.65	21.7	30
PG(D,S)424060				13.5	58.3	0.7	4.1	1.65	21.7	30
PG(D,S)430040				12.8	64.0	0.7	4.1	0.65	20.8	30
PG(D,S)430060				12.8	64.0	0.7	4.1	1.65	20.8	30
PG(D,S)436060				14.1	77.0	1.2	6.0	1.65	24.8	35
PG(D,S)436090				14.1	77.0	1.2	6.0	0.52	24.8	35
PG(D,S)442060				17.9	112.0	1.2	6.0	1.65	29.6	40
PG(D,S)442090				17.9	112.0	1.2	6.0	0.65	29.6	40
PG(D,S)448090				21.8	117.0	1.2	7.6	0.65	36.1	50
PG(D,S)448115				21.8	117.0	1.2	7.6	1.65	36.1	50
PG(D,S)448130				21.8	117.0	1.2	7.6	0.52	36.1	50
PG(D,S)460090				26.4	134.0	1.2	7.6	0.65	41.8	60
PG(D,S)460115				26.4	134.0	1.2	7.6	1.65	41.8	60
PG(D,S)460130				26.4	134.0	1.2	7.6	0.52	41.8	60

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

NOTES:
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.

PHYSICAL DATA – PG(D,S)4								
UNIT SIZE	**24040**	**24060**	**30040**	**30060**	**36060**	**36090**	**42060**	**42090**
NOMINAL COOLING CAPACITY (ton)	2	2	2–1/2	2–1/2	3	3	3–1/2	3–1/2
NOMINAL HEATING INPUT (Btu/hrs)	40,000	60,000	40,000	60,000	60,000	90,000	60,000	90,000
SHIPPING WEIGHT lb. **SHIPPING WEIGHT (kg)**	337 153	337 153	349 158	349 158	383 174	383 174	472 214	472 214
COMPRESSORS	Scroll							
Quantity	1							
REFRIGERANT (R–410A) Quantity lb. Quantity (kg)	6.0 2.7	6.0 2.7	5.6 2.5	5.6 2.5	9.5 4.3	9.5 4.3	8.8 4.0	8.8 4.0
REFRIGERANT METERING DEVICE	TXV							
OUTDOOR COIL Rows...Fins/in. Face Area (sq ft)	1..21 11.9	1...21 11.9	1...21 13.6	1...21 13.6	2...21 15.4	2...21 15.4	2...21 13.6	2...21 13.6
OUTDOOR FAN Nominal CFM Diameter in. Diameter (mm) Motor Hp (Rpm)	2500 24 609.6 1/10 (810)	2500 24 609.6 1/10 (810)	2700 24 609.6 1/10 (810)	2700 24 609.6 1/10 (810)	2800 24 609.6 1/5 (810)	2800 24 609.6 1/5 (810)	3000 26 660.4 1/5 (810	3000 26 660.4 1/5 (810)
INDOOR COIL Rows...Fins/in. Face Area (sq ft)	2...17 3.7	2...17 3.7	3...17 3.7	3...17 3.7	3...17 3.7	3...17 3.7	3...17 4.7	3...17 4.7
INDOOR BLOWER Nominal Cooling Airflow (Cfm) Size in. Size (mm.) Motor HP (RPM)	800 10x10 254x254 1/2 (1050)	800 10x10 254x254 1/2 (1050)	1000 10x10 254x254 1/2 (1050)	1000 10x10 254x254 1/2 (1050)	1200 11x10 279.4x254 3/4 (1000)	1200 11x10 279.4x254 3/4 (1000)	1400 11x10 279.4x254 3/4 (1075)	1400 11x10 279.4x254 3/4 (1075)
FURNACE SECTION* Burner Orifice No. Natural Gas Qty...Drill Size (Factory Installed) Propane Gas	2...44 2...55	2...38 2...53	2...44 2...55	2...38 2...53	2...38 2...53	3...38 3...53	2...38 2...53	3...38 3...53
HIGH–PRESSURE SWITCH (psig) Cut–out Reset (Auto)	650 +/– 15 420 +/– 25							
LOSS–OF–CHARGE / LOW–PRESSURE SWITCH (Liquid Line) (psig) cut–out Reset (auto)	20 +/– 5 45 +/– 10							
RETURN–AIR FILTERS†‡ Throwaway Size in. (mm)	20x20x1 508x508x25	20x24x1 508x610x25			24x30x1 610x762x25			

PHYSICAL DATA – PG(D,S)4 (CONT)						
UNIT SIZE	**48090**	**48115**	**48130**	**60090**	**60115**	**60130**
NOMINAL COOLING CAPACITY (ton)	4	4	4	5	5	5
NOMINAL HEATING INPUT (Btu/hrs)	90,000	115,000	130,000	90,000	115,000	130,000
SHIPPING WEIGHT lb **SHIPPING WEIGHT kg**	490 222	490 222	490 222	518 235	518 235	518 235
COMPRESSORS	Scroll					
Quantity	1					
REFRIGERANT (R–410A) Quantity lb Quantity (kg.)	 9.4 4.3	 9.4 4.3	 9.4 4.3	 12.5 5.7	 12.5 5.7	 12.5 5.7
REFRIGERANT METERING DEVICE	TXV					
OUTDOOR COIL Rows...Fins/in. Face Area (sq ft)	 2...21 17.5	 2...21 17.5	 2...21 17.5	 2...21 21.4	 2...21 21.4	 2...21 21.4
OUTDOOR FAN Nominal Cfm Diameter in. Diameter (mm) Motor Hp (Rpm)	 3200 26 660.4 1/5 (810)	 3200 26 660.4 1/5 (810)	 3200 26 660.4 1/5 (810)	 3600 26 660.4 1/5 (810)	 3600 26 660.4 1/5 (810)	 3600 26 660.4 1/5 (810)
INDOOR COIL Rows...Fins/in. Face Area (sq ft)	 3...17 4.7	 3...17 4.7	 3...17 4.7	 3...17 5.7	 3...17 5.7	 3...17 5.7
INDOOR BLOWER Nominal Cooling Airflow (Cfm) Size in. Size (mm) Motor HP (RPM)	 1600 11x10 279.4x254 1.0 (1075)	 1600 11x10 279.4x254 1.0 (1075)	 1600 11x10 279.4x254 1.0 (1075)	 1750 11x10 279.4x254 1.0 (1040)	 1750 11x10 279.4x254 1.0 (1040)	 1750 11x10 279.4x254 1.0 (1040)
FURNACE SECTION* Burner Orifice No. Natural Gas Qty...Drill Size (Factory Installed) Propane Gas	 3...38 3...53	 3...33 3...51	 3...31 3...49	 3...38 3...53	 3...33 3...51	 3...31 3...49
HIGH–PRESSURE SWITCH (psig) Cut–out Reset (Auto)	650 +/– 15 420 +/– 25					
LOSS–OF–CHARGE / LOW–PRESSURE SWITCH (Liquid Line) (psig) cut–out Reset (auto)	20 +/– 5 45 +/– 10					
RETURN–AIR FILTERS Throwaway†‡ **in. (mm)**	24x36x1 610x914x25					

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

† Required filter sizes shown are based on the larger of the ARI (Air Conditioning and Refrigeration Institute) rated cooling airflow or the heating airflow velocity of 300 ft/minute for throwaway type. Air filter pressure drop for non—standard filters must not exceed 0.08 IN. W.C.

‡ If using accessory filter rack refer to the filter rack installation instructions for correct filter sizes and quantity.

A–WEIGHTED SOUND POWER LEVEL (DBA)								
MODEL PGD4, PGS4	**SOUND RATING**	**TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)**						
		125	**250**	**500**	**1000**	**2000**	**4000**	**8000**
24	76	58.0	65.5	71.5	71.0	65.5	60.5	53.0
30	73	62.0	64.0	67.5	67.5	65.0	60.0	54.5
36	76	64.5	66.5	70.0	70.0	67.5	61.0	54.0
42	77	70.5	68.0	70.5	70.5	68.0	62.5	58.0
48	77	71.5	65.0	71.0	67.5	67.5	63.0	57.5
60	77	73.5	65.5	68.5	67.5	66.5	62.0	58.0

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

DRY COIL AIR DELIVERY* – HORIZONTAL DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE °F (°C)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)								
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
24040	30 – 60 (17 – 33)	Low	Blue	CFM	754	650	538	429	--	--	--	--	--
				Heating Rise (°F)	40	46	56	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	22	26	31	NA	NA	NA	NA	NA	NA
		Med-Low	Pink	CFM	851	777	675	591	475	--	--	--	--
				Heating Rise (°F)	36	39	45	51	NA	NA	NA	NA	NA
				Heating Rise (°C)	20	22	25	28	NA	NA	NA	NA	NA
		Medium[2]	Red	CFM	941	851	774	684	576	479	--	--	--
				Heating Rise (°F)	32	36	39	44	52	NA	NA	NA	NA
				Heating Rise (°C)	18	20	22	25	29	NA	NA	NA	NA
		Med-High[1]	Orange	CFM	1009	917	840	759	667	577	447	--	--
				Heating Rise (°F)	30	33	36	40	45	52	NA	NA	NA
				Heating Rise (°C)	17	18	20	22	25	29	NA	NA	NA
		High	Black	CFM	1241	1167	1111	1036	969	881	818	731	640
				Heating Rise (°F)	NA	NA	NA	NA	31	34	37	41	47
				Heating Rise (°C)	NA	NA	NA	NA	17	19	21	23	26
24060	25 – 55 (14 – 31)	Low	Blue	CFM	754	650	538	429	--	--	--	--	--
				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	851	777	675	591	475	--	--	--	--
				Heating Rise (°F)	52	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	29	NA	NA	NA	NA	NA	NA	NA	NA
		Medium[2]	Red	CFM	941	851	774	684	576	479	--	--	--
				Heating Rise (°F)	47	52	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	26	29	NA	NA	NA	NA	NA	NA	NA
		Med-High	Orange	CFM	1009	917	840	759	667	577	447	--	--
				Heating Rise (°F)	44	48	53	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	24	27	29	NA	NA	NA	NA	NA	NA
		High[1]	Black	CFM	1241	1167	1111	1036	969	881	818	731	640
				Heating Rise (°F)	36	38	40	43	46	50	54	NA	NA
				Heating Rise (°C)	20	21	22	24	25	28	30	NA	NA
30040	30 – 60 (17 – 33)	Low	Blue	CFM	741	638	547	415	--	--	--	--	--
				Heating Rise (°F)	41	47	55	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	23	26	31	NA	NA	NA	NA	NA	NA
		Med-Low[1]	Pink	CFM	973	887	823	733	665	538	451	--	--
				Heating Rise (°F)	31	34	37	41	45	56	NA	NA	NA
				Heating Rise (°C)	17	19	20	23	25	31	NA	NA	NA
		Medium	Red	CFM	1088	1023	954	881	800	723	658	563	461
				Heating Rise (°F)	NA	30	32	34	38	42	46	54	NA
				Heating Rise (°C)	NA	16	18	19	21	23	26	30	NA
		Med-High[2]	Orange	CFM	1140	1064	996	915	840	758	687	564	480
				Heating Rise (°F)	NA	NA	30	33	36	40	44	54	NA
				Heating Rise (°C)	NA	NA	17	18	20	22	24	30	NA
		High	Black	CFM	1202	1140	1082	1015	961	881	810	732	631
				Heating Rise (°F)	NA	NA	NA	30	31	34	37	41	48
				Heating Rise (°C)	NA	NA	NA	17	17	19	21	23	27
30060	25 – 55 (14 – 31)	Low	Blue	CFM	741	638	547	415	--	--	--	--	--
				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	973	887	823	733	665	538	451	--	--
				Heating Rise (°F)	46	50	54	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	25	28	30	NA	NA	NA	NA	NA	NA
		Medium	Red	CFM	1088	1023	954	881	800	723	658	563	461
				Heating Rise (°F)	41	43	47	50	NA	NA	NA	NA	NA
				Heating Rise (°C)	23	24	26	28	NA	NA	NA	NA	NA
		Med-High[2]	Orange	CFM	1140	1064	996	915	840	758	687	564	480
				Heating Rise (°F)	39	42	45	49	53	NA	NA	NA	NA
				Heating Rise (°C)	22	23	25	27	29	NA	NA	NA	NA
		High[1]	Black	CFM	1202	1140	1082	1015	961	881	810	732	631
				Heating Rise (°F)	37	39	41	44	46	50	55	NA	NA
				Heating Rise (°C)	21	22	23	24	26	28	30	NA	NA

DRY COIL AIR DELIVERY* – HORIZONTAL DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE °F (°C)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)								
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
36060	25 - 55 (14 - 31)	Low[1]	Blue	CFM	1234	1168	1093	1021	961	894	825	759	687
				Heating Rise (°F)	36	38	41	44	46	50	54	NA	NA
				Heating Rise (°C)	20	21	23	24	26	28	30	NA	NA
		Med-Low	Pink	CFM	1290	1223	1154	1090	1027	977	894	828	762
				Heating Rise (°F)	34	36	39	41	43	45	50	54	NA
				Heating Rise (°C)	19	20	21	23	24	25	28	30	NA
		Medium[2]	Red	CFM	1354	1290	1226	1158	1102	1046	981	918	843
				Heating Rise (°F)	33	34	36	38	40	42	45	48	53
				Heating Rise (°C)	18	19	20	21	22	24	25	27	29
		Med-High	Orange	CFM	1606	1546	1489	1430	1371	1316	1258	1208	1140
				Heating Rise (°F)	28	29	30	31	32	34	35	37	39
				Heating Rise (°C)	15	16	17	17	18	19	20	20	22
		High	Black	CFM	1630	1580	1517	1463	1407	1339	1277	1210	1131
				Heating Rise (°F)	27	28	29	30	32	33	35	37	39
				Heating Rise (°C)	15	16	16	17	18	18	19	20	22
36090	35 - 65 (19 - 36)	Low	Blue	CFM	1234	1168	1093	1021	961	894	825	759	687
				Heating Rise (°F)	55	58	62	NA	NA	NA	NA	NA	NA
				Heating Rise (°C)	31	32	35	NA	NA	NA	NA	NA	NA
		Med-Low	Pink	CFM	1290	1223	1154	1090	1027	977	894	828	762
				Heating Rise (°F)	53	56	59	62	NA	NA	NA	NA	NA
				Heating Rise (°C)	29	31	33	35	NA	NA	NA	NA	NA
		Medium[2]	Red	CFM	1354	1290	1226	1158	1102	1046	981	918	843
				Heating Rise (°F)	50	53	55	59	62	65	NA	NA	NA
				Heating Rise (°C)	28	29	31	33	34	36	NA	NA	NA
		Med-High	Orange	CFM	1606	1546	1489	1430	1371	1316	1258	1208	1140
				Heating Rise (°F)	42	44	46	48	50	52	54	56	60
				Heating Rise (°C)	24	24	25	26	28	29	30	31	33
		High[1]	Black	CFM	1630	1580	1517	1463	1407	1339	1277	1210	1131
				Heating Rise (°F)	42	43	45	46	48	51	53	56	60
				Heating Rise (°C)	23	24	25	26	27	28	30	31	33
42060	25 - 55 (14 - 31)	Low[1]	Blue	CFM	1295	1234	1182	1126	1075	1016	955	898	857
				Heating Rise (°F)	34	36	38	39	41	44	47	49	52
				Heating Rise (°C)	19	20	21	22	23	24	26	27	29
		Med-Low	Pink	CFM	1345	1282	1235	1194	1140	1095	1027	974	921
				Heating Rise (°F)	33	35	36	37	39	41	43	46	48
				Heating Rise (°C)	18	19	20	21	22	23	24	25	27
		Medium	Red	CFM	1505	1452	1413	1358	1323	1282	1234	1169	1130
				Heating Rise (°F)	30	31	31	33	34	35	36	38	39
				Heating Rise (°C)	16	17	17	18	19	19	20	21	22
		Med-High[2]	Orange	CFM	1545	1492	1449	1411	1362	1313	1278	1231	1188
				Heating Rise (°F)	29	30	31	31	33	34	35	36	37
				Heating Rise (°C)	16	17	17	17	18	19	19	20	21
		High	Black	CFM	1705	1643	1607	1568	1518	1483	1448	1404	1360
				Heating Rise (°F)	26	27	28	28	29	30	31	32	33
				Heating Rise (°C)	14	15	15	16	16	17	17	18	18

DRY COIL AIR DELIVERY* – HORIZONTAL DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)								
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
42090	35 – 65 (19 – 36)	Low	Blue	CFM	1295	1234	1182	1126	1075	1016	955	898	857
				Heating Rise (ºF)	53	55	58	60	63	NA	NA	NA	NA
				Heating Rise (ºC)	29	31	32	34	35	NA	NA	NA	NA
		Med – Low	Pink	CFM	1345	1282	1235	1194	1140	1095	1027	974	921
				Heating Rise (ºF)	51	53	55	57	60	62	NA	NA	NA
				Heating Rise (ºC)	28	29	31	32	33	35	NA	NA	NA
		Medium[1]	Red	CFM	1505	1452	1413	1358	1323	1282	1234	1169	1130
				Heating Rise (ºF)	45	47	48	50	51	53	55	58	60
				Heating Rise (ºC)	25	26	27	28	29	29	31	32	33
		Med – High[2]	Orange	CFM	1545	1492	1449	1411	1362	1313	1278	1231	1188
				Heating Rise (ºF)	44	46	47	48	50	52	53	55	57
				Heating Rise (ºC)	24	25	26	27	28	29	30	31	32
		High	Black	CFM	1705	1643	1607	1568	1518	1483	1448	1404	1360
				Heating Rise (ºF)	40	41	42	43	45	46	47	48	50
				Heating Rise (ºC)	22	23	24	24	25	25	26	27	28
48090	35 – 65 (19 – 36)	Low[1]	Blue	CFM	1402	1351	1311	1263	1224	1172	1136	1080	1041
				Heating Rise (ºF)	49	50	52	54	56	58	60	63	65
				Heating Rise (ºC)	27	28	29	30	31	32	33	35	36
		Med – Low	Pink	CFM	1457	1404	1367	1318	1284	1233	1197	1144	1104
				Heating Rise (ºF)	47	48	50	52	53	55	57	59	62
				Heating Rise (ºC)	26	27	28	29	29	31	32	33	34
		Medium[2]	Red	CFM	1736	1695	1642	1601	1553	1512	1465	1427	1381
				Heating Rise (ºF)	39	40	41	42	44	45	46	48	49
				Heating Rise (ºC)	22	22	23	24	24	25	26	26	27
		Med – High	Orange	CFM	2149	2111	2062	2026	1980	1945	1905	1864	1793
				Heating Rise (ºF)	NA	NA	NA	NA	NA	35	36	36	38
				Heating Rise (ºC)	NA	NA	NA	NA	NA	19	20	20	21
		High	Black	CFM	2344	2306	2259	2203	2141	2070	1991	1902	1803
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	36	38
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	20	21
48115	30 – 60 (17 – 33)	Low	Blue	CFM	1402	1351	1311	1263	1224	1172	1136	1080	1041
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med – Low	Pink	CFM	1457	1404	1367	1318	1284	1233	1197	1144	1104
				Heating Rise (ºF)	60	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	33	NA	NA	NA	NA	NA	NA	NA	NA
		Medium[2]	Red	CFM	1736	1695	1642	1601	1553	1512	1465	1427	1381
				Heating Rise (ºF)	50	51	53	54	56	57	59	NA	NA
				Heating Rise (ºC)	28	28	29	30	31	32	33	NA	NA
		Med – High[1]	Orange	CFM	2149	2111	2062	2026	1980	1945	1905	1864	1793
				Heating Rise (ºF)	40	41	42	43	44	45	46	47	48
				Heating Rise (ºC)	22	23	23	24	24	25	25	26	27
		High	Black	CFM	2344	2306	2259	2203	2141	2070	1991	1902	1803
				Heating Rise (ºF)	37	38	38	39	41	42	44	46	48
				Heating Rise (ºC)	21	21	21	22	23	23	24	25	27
48130	35 – 65 (19 – 36)	Low	Blue	CFM	1402	1351	1311	1263	1224	1172	1136	1080	1041
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med – Low	Pink	CFM	1457	1404	1367	1318	1284	1233	1197	1144	1104
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Medium[2]	Red	CFM	1736	1695	1642	1601	1553	1512	1465	1427	1381
				Heating Rise (ºF)	55	57	59	60	62	64	NA	NA	NA
				Heating Rise (ºC)	31	32	33	33	34	35	NA	NA	NA
		Med – High[1]	Orange	CFM	2149	2111	2062	2026	1980	1945	1905	1864	1793
				Heating Rise (ºF)	45	46	47	48	49	50	51	52	54
				Heating Rise (ºC)	25	25	26	26	27	28	28	29	30
		High	Black	CFM	2344	2306	2259	2203	2141	2070	1991	1902	1803
				Heating Rise (ºF)	41	42	43	44	45	47	48	51	53
				Heating Rise (ºC)	23	23	24	24	25	26	27	28	30

DRY COIL AIR DELIVERY* – HORIZONTAL DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)								
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
60090	35 – 65 (19 – 36)	Low[1]	Blue	CFM	1445	1389	1341	1281	1236	1189	1139	1072	1027
				Heating Rise (ºF)	47	49	51	53	55	57	60	63	NA
				Heating Rise (ºC)	26	27	28	29	31	32	33	35	NA
		Med–Low	Pink	CFM	1678	1635	1602	1558	1513	1474	1438	1404	1349
				Heating Rise (ºF)	41	42	42	44	45	46	47	48	50
				Heating Rise (ºC)	23	23	24	24	25	26	26	27	28
		Medium[2]	Red	CFM	1962	1915	1880	1843	1794	1753	1711	1675	1628
				Heating Rise (ºF)	35	36	36	37	38	39	40	41	42
				Heating Rise (ºC)	19	20	20	20	21	22	22	23	23
		Med–High	Orange	CFM	2131	2088	2065	2013	1982	1941	1888	1860	1785
				Heating Rise (ºF)	NA	NA	NA	NA	NA	35	36	37	38
				Heating Rise (ºC)	NA	NA	NA	NA	NA	19	20	20	21
		High	Black	CFM	2461	2409	2339	2286	2192	2140	2062	1968	1874
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	35	36
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	19	20
60115	30 – 60 (17 – 33)	Low	Blue	CFM	1445	1389	1341	1281	1236	1189	1139	1072	1027
				Heating Rise (ºF)	60	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	33	NA	NA	NA	NA	NA	NA	NA	NA
		Med–Low	Pink	CFM	1678	1635	1602	1558	1513	1474	1438	1404	1349
				Heating Rise (ºF)	52	53	54	56	57	59	60	NA	NA
				Heating Rise (ºC)	29	30	30	31	32	33	34	NA	NA
		Medium[2]	Red	CFM	1962	1915	1880	1843	1794	1753	1711	1675	1628
				Heating Rise (ºF)	44	45	46	47	48	50	51	52	53
				Heating Rise (ºC)	25	25	26	26	27	28	28	29	30
		Med–High[1]	Orange	CFM	2131	2088	2065	2013	1982	1941	1888	1860	1785
				Heating Rise (ºF)	41	42	42	43	44	45	46	47	49
				Heating Rise (ºC)	23	23	23	24	24	25	26	26	27
		High	Black	CFM	2461	2409	2339	2286	2192	2140	2062	1968	1874
				Heating Rise (ºF)	35	36	37	38	40	41	42	44	46
				Heating Rise (ºC)	20	20	21	21	22	23	23	25	26
60130	35 – 65 (19 – 36)	Low	Blue	CFM	1445	1389	1341	1281	1236	1189	1139	1072	1027
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Med–Low	Pink	CFM	1678	1635	1602	1558	1513	1474	1438	1404	1349
				Heating Rise (ºF)	57	59	60	62	64	65	NA	NA	NA
				Heating Rise (ºC)	32	33	33	34	35	36	NA	NA	NA
		Medium[2]	Red	CFM	1962	1915	1880	1843	1794	1753	1711	1675	1628
				Heating Rise (ºF)	49	50	51	52	54	55	56	57	59
				Heating Rise (ºC)	27	28	28	29	30	31	31	32	33
		Med–High[1]	Orange	CFM	2131	2088	2065	2013	1982	1941	1888	1860	1785
				Heating Rise (ºF)	45	46	47	48	49	50	51	52	54
				Heating Rise (ºC)	25	26	26	27	27	28	28	29	30
		High	Black	CFM	2461	2409	2339	2286	2192	2140	2062	1968	1874
				Heating Rise (ºF)	39	40	41	42	44	45	47	49	51
				Heating Rise (ºC)	22	22	23	23	24	25	26	27	29

*Air delivery values are without air filter and are for dry coil (See PGD/S4 Wet Coil Pressure Drop table).

[1] Factory-shipped heating speed

[2] Factory-shipped cooling 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.

Shaded areas indicate speed/static combinations that are not permitted for dehumidification speed.

Note: Deduct 10% for 208 volt operation.

DRY COIL AIR DELIVERY* – DOWNFLOW DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
24040	30 - 60ºF (17 - 33ºC)	Low	Blue	CFM	809	664	554	447	---	---	---	---	---	---
				WATTS	85	82	87	95	---	---	---	---	---	---
				BHP	0.09	0.09	0.09	0.10	---	---	---	---	---	---
				Heating Rise (ºF)	37	46	55	NA	---	---	---	---	---	---
				Heating Rise (ºC)	21	25	30	NA	---	---	---	---	---	---
		Med-Low	Pink	CFM	875	787	693	612	498	392	---	---	---	---
				WATTS	101	111	115	125	131	142	---	---	---	---
				BHP	0.11	0.12	0.12	0.13	0.14	0.15	---	---	---	---
				Heating Rise (ºF)	35	38	44	49	NA	NA	---	---	---	---
				Heating Rise (ºC)	19	21	24	27	NA	NA	---	---	---	---
		Medium[2]	Red	CFM	939	860	748	663	591	472	399	---	---	---
				WATTS	119	124	134	138	147	155	164	---	---	---
				BHP	0.13	0.13	0.14	0.15	0.16	0.17	0.18	---	---	---
				Heating Rise (ºF)	32	35	40	46	51	NA	NA	---	---	---
				Heating Rise (ºC)	18	20	22	25	28	NA	NA	---	---	---
		Med-High[1]	Orange	CFM	1026	949	873	786	694	604	516	---	---	---
				WATTS	146	151	161	167	177	183	195	---	---	---
				BHP	0.16	0.16	0.17	0.18	0.19	0.20	0.21	---	---	---
				Heating Rise (ºF)	NA	32	35	38	44	50	59	---	---	---
				Heating Rise (ºC)	NA	18	19	21	24	28	33	---	---	---
		High	Black	CFM	1264	1202	1134	1070	1002	931	870	806	699	610
				WATTS	250	261	274	279	290	296	308	319	328	332
				BHP	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36
				Heating Rise (ºF)	NA	NA	NA	NA	30	32	35	37	43	50
				Heating Rise (ºC)	NA	NA	NA	NA	17	18	19	21	24	28
24060	25 - 55ºF (14 - 31ºC)	Low	Blue	CFM	809	664	554	447	---	---	---	---	---	---
				WATTS	85	82	87	95	---	---	---	---	---	---
				BHP	0.09	0.09	0.09	0.10	---	---	---	---	---	---
				Heating Rise (ºF)	37	46	55	68	---	---	---	---	---	---
				Heating Rise (ºC)	21	25	30	38	---	---	---	---	---	---
		Med-Low	Pink	CFM	875	787	693	612	498	392	---	---	---	---
				WATTS	101	111	115	125	131	142	---	---	---	---
				BHP	0.11	0.12	0.12	0.13	0.14	0.15	---	---	---	---
				Heating Rise (ºF)	35	38	44	49	NA	NA	---	---	---	---
				Heating Rise (ºC)	19	21	24	27	NA	NA	---	---	---	---
		Medium[2]	Red	CFM	939	860	748	663	591	472	399	---	---	---
				WATTS	119	124	134	138	147	155	164	---	---	---
				BHP	0.13	0.13	0.14	0.15	0.16	0.17	0.18	---	---	---
				Heating Rise (ºF)	32	35	40	46	51	NA	NA	---	---	---
				Heating Rise (ºC)	18	20	22	25	28	NA	NA	---	---	---
		Med-High[1]	Orange	CFM	1026	949	873	786	694	604	516	---	---	---
				WATTS	146	151	161	167	177	183	195	---	---	---
				BHP	0.16	0.16	0.17	0.18	0.19	0.20	0.21	---	---	---
				Heating Rise (ºF)	29	32	35	38	44	50	NA	---	---	---
				Heating Rise (ºC)	16	18	19	21	24	28	NA	---	---	---
		High	Black	CFM	1264	1202	1134	1070	1002	931	870	806	699	610
				WATTS	250	261	274	279	290	296	308	319	328	332
				BHP	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36
				Heating Rise (ºF)	NA	NA	NA	NA	30	32	35	37	43	50
				Heating Rise (ºC)	NA	NA	NA	NA	17	18	19	21	24	28

DRY COIL AIR DELIVERY* – DOWNFLOW DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
30040	30 - 60ºF (17 - 33ºC)	Low	Blue	CFM	756	669	548	457	---	---	---	---	---	---
				WATTS	84	90	96	106	---	---	---	---	---	---
				BHP	0.09	0.10	0.10	0.11	---	---	---	---	---	---
				Heating Rise (ºF)	40	45	55	NA	---	---	---	---	---	---
				Heating Rise (ºC)	22	25	31	NA	---	---	---	---	---	---
		Med-Low	Pink	CFM	1002	928	842	733	660	560	450	---	---	---
				WATTS	144	155	161	173	185	192	203	---	---	---
				BHP	0.15	0.17	0.17	0.19	0.20	0.21	0.22	---	---	---
				Heating Rise (ºF)	30	33	36	41	46	54	NA	---	---	---
				Heating Rise (ºC)	17	18	20	23	25	30	NA	---	---	---
		Medium[2]	Red	CFM	1110	1025	967	879	814	706	611	509	461	---
				WATTS	188	195	205	211	223	236	243	255	243	--- ---
				BHP	0.20	0.21	0.22	0.23	0.24	0.25	0.26	--- ---	--- ---	--- ---
				Heating Rise (ºF)	27	29	31	34	37	43	49	59	NA	---
				Heating Rise (ºC)	15	16	17	19	21	24	27	33	NA	---
		Med-High[1]	Orange	CFM	1160	1091	1004	945	866	804	699	615	496	---
				WATTS	213	225	232	243	249	261	273	285	291	---
				BHP	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.31	0.31	---
				Heating Rise (ºF)	NA	NA	30	32	35	38	43	49	NA	---
				Heating Rise (ºC)	NA	NA	17	18	19	21	24	27	NA	---
		High	Black	CFM	1240	1173	1110	1031	966	902	821	726	626	---
				WATTS	254	266	274	284	295	302	315	327	331	---
				BHP	0.27	0.29	0.29	0.30	0.32	0.32	0.34	0.35	0.35	---
				Heating Rise (ºF)	NA	NA	NA	NA	31	34	37	42	48	---
				Heating Rise (ºC)	NA	NA	NA	NA	17	19	20	23	27	---
30060	25 - 55ºF (14 - 31ºC)	Low	Blue	CFM	756	669	548	457	457	457	457	457	457	---
				WATTS	84	90	96	106	---	---	---	---	---	---
				BHP	0.09	0.10	0.10	0.11	---	---	---	---	---	---
				Heating Rise (ºF)	40	45	55	66	66	66	66	66	66	---
				Heating Rise (ºC)	22	25	31	37	37	37	37	37	37	---
		Med-Low	Pink	CFM	1002	928	842	733	660	560	450	---	---	---
				WATTS	144	155	161	173	185	192	203	---	---	---
				BHP	0.15	0.17	0.17	0.19	0.20	0.21	0.22	---	---	---
				Heating Rise (ºF)	30	33	36	41	46	54	NA	---	---	---
				Heating Rise (ºC)	17	18	20	23	25	30	NA	---	---	---
		Medium[2]	Red	CFM	1110	1025	967	879	814	706	611	509	461	---
				WATTS	188	195	205	211	223	236	243	255	243	---
				BHP	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.26	---
				Heating Rise (ºF)	27	29	31	34	37	43	49	59	NA	---
				Heating Rise (ºC)	15	16	17	19	21	24	27	33	NA	---
		Med-High[1]	Orange	CFM	1160	1091	1004	945	866	804	699	615	496	--- ---
				WATTS	213	225	232	243	249	261	273	285	291	--- ---
				BHP	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.31	0.31	--- ---
				Heating Rise (ºF)	NA	NA	30	32	35	38	43	49	NA	---
				Heating Rise (ºC)	NA	NA	17	18	19	21	24	27	NA	---
		High	Black	CFM	1240	1173	1110	1031	966	902	821	726	626	---
				WATTS	254	266	274	284	295	302	315	327	331	---
				BHP	0.27	0.29	0.29	0.30	0.32	0.32	0.34	0.35	0.35	---
				Heating Rise (ºF)	NA	NA	NA	NA	31	34	37	42	48	---
				Heating Rise (ºC)	NA	NA	NA	NA	17	19	20	23	27	---

DRY COIL AIR DELIVERY* – DOWNFLOW DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
36060	25 - 55ºF (14 - 31ºC)	Low	Blue	CFM	1277	1215	1147	1094	1045	992	932	874	826	757
				WATTS	285	289	299	305	314	319	328	335	347	352
				BHP	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38
				Heating Rise (ºF)	NA	25	26	28	29	30	32	35	37	40
				Heating Rise (ºC)	NA	14	15	15	16	17	18	19	20	22
		Med-Low	Pink	CFM	1312	1260	1203	1153	1095	1050	995	943	889	829
				WATTS	314	324	329	340	344	355	361	372	382	387
				BHP	0.34	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42
				Heating Rise (ºF)	NA	NA	25	26	28	29	30	32	34	36
				Heating Rise (ºC)	NA	NA	14	15	15	16	17	18	19	20
		Medium[2]	Red	CFM	1381	1326	1269	1212	1161	1121	1070	1019	974	912
				WATTS	358	365	375	383	391	395	406	418	424	434
				BHP	0.38	0.39	0.40	0.41	0.42	0.42	0.44	0.45	0.45	0.47
				Heating Rise (ºF)	NA	NA	NA	25	26	27	28	30	31	33
				Heating Rise (ºC)	NA	NA	NA	14	14	15	16	16	17	18
		Med-High[1]	Orange	CFM	1631	1579	1525	1477	1423	1372	1336	1284	1233	1166
				WATTS	567	576	581	592	598	609	617	619	613	598
				BHP	0.61	0.62	0.62	0.63	0.64	0.65	0.66	0.66	0.66	0.64
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	25	26
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	14	14
		High	Black	CFM	1681	1633	1575	1526	1478	1415	1366	1312	1249	1159
				WATTS	618	626	636	644	652	653	649	642	627	602
				BHP	0.66	0.67	0.68	0.69	0.70	0.70	0.70	0.69	0.67	0.65
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	26
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	14
36090	35 - 65ºF (19 - 36ºC)	Low	Blue	CFM	1277	1215	1147	1094	1045	992	932	874	826	757
				WATTS	285	289	299	305	314	319	328	335	347	352
				BHP	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38
				Heating Rise (ºF)	NA	25	26	28	29	30	32	35	37	40
				Heating Rise (ºC)	NA	14	15	15	16	17	18	19	20	22
		Med-Low	Pink	CFM	1312	1260	1203	1153	1095	1050	995	943	889	829
				WATTS	314	324	329	340	344	355	361	372	382	387
				BHP	0.34	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42
				Heating Rise (ºF)	NA	NA	25	26	28	29	30	32	34	36
				Heating Rise (ºC)	NA	NA	14	15	15	16	17	18	19	20
		Medium[2]	Red	CFM	1381	1326	1269	1212	1161	1121	1070	1019	974	912
				WATTS	358	365	375	383	391	395	406	418	424	434
				BHP	0.38	0.39	0.40	0.41	0.42	0.42	0.44	0.45	0.45	0.47
				Heating Rise (ºF)	NA	NA	NA	25	26	27	28	30	31	33
				Heating Rise (ºC)	NA	NA	NA	14	14	15	16	16	17	18
		Med-High[1]	Orange	CFM	1631	1579	1525	1477	1423	1372	1336	1284	1233	1166
				WATTS	567	576	581	592	598	609	617	619	613	598
				BHP	0.61	0.62	0.62	0.63	0.64	0.65	0.66	0.66	0.66	0.64
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	25	26
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	14	14
		High	Black	CFM	1681	1633	1575	1526	1478	1415	1366	1312	1249	1159
				WATTS	618	626	636	644	652	653	649	642	627	602
				BHP	0.66	0.67	0.68	0.69	0.70	0.70	0.70	0.69	0.67	0.65
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	26
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	14

DRY COIL AIR DELIVERY* – DOWNFLOW DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
42060	25 - 55ºF (14 - 31ºC)	Low[1]	Blue	CFM	1365	1324	1284	1233	1181	1127	1084	1039	984	939
				WATTS	177	189	201	210	222	236	248	261	269	281
				BHP	0.19	0.20	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
				Heating Rise (ºF)	NA	34	35	36	38	39	41	43	45	47
				Heating Rise (ºC)	NA	19	19	20	21	22	23	24	25	26
		Med-Low	Pink	CFM	1425	1384	1339	1301	1254	1199	1151	1104	1065	1015
				WATTS	197	210	223	235	248	257	271	284	296	305
				BHP	0.21	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.32	0.33
				Heating Rise (ºF)	NA	NA	NA	34	35	37	39	40	42	44
				Heating Rise (ºC)	NA	NA	NA	19	20	21	21	22	23	24
		Medium	Red	CFM	1582	1549	1509	1469	1433	1392	1346	1300	1249	1213
				WATTS	267	280	294	308	322	336	344	359	374	387
				BHP	0.29	0.30	0.32	0.33	0.35	0.36	0.37	0.38	0.40	0.42
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	34	36	37
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	19	20	20
		Med-High[2]	Orange	CFM	1623	1586	1553	1511	1470	1433	1393	1350	1309	1261
				WATTS	285	299	312	324	335	349	363	378	393	407
				BHP	0.31	0.32	0.33	0.35	0.36	0.37	0.39	0.41	0.42	0.44
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	34	35
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	19	20
		High	Black	CFM	1775	1736	1696	1660	1622	1588	1557	1516	1472	1426
				WATTS	371	386	401	410	424	439	453	468	483	497
				BHP	0.40	0.41	0.43	0.44	0.45	0.47	0.49	0.50	0.52	0.53
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42090	35 - 65ºF (19 - 36ºC)	Low[1]	Blue	CFM	1365	1324	1284	1233	1181	1127	1084	1039	984	939
				WATTS	177	189	201	210	222	236	248	261	269	281
				BHP	0.19	0.20	0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30
				Heating Rise (ºF)	NA	34	35	36	38	39	41	43	45	47
				Heating Rise (ºC)	NA	19	19	20	21	22	23	24	25	26
		Med-Low	Pink	CFM	1425	1384	1339	1301	1254	1199	1151	1104	1065	1015
				WATTS	197	210	223	235	248	257	271	284	296	305
				BHP	0.21	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.32	0.33
				Heating Rise (ºF)	NA	NA	NA	34	35	37	39	40	42	44
				Heating Rise (ºC)	NA	NA	NA	19	20	21	21	22	23	24
		Medium	Red	CFM	1582	1549	1509	1469	1433	1392	1346	1300	1249	1213
				WATTS	267	280	294	308	322	336	344	359	374	387
				BHP	0.29	0.30	0.32	0.33	0.35	0.36	0.37	0.38	0.40	0.42
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	34	36	37
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	19	20	20
		Med-High[2]	Orange	CFM	1623	1586	1553	1511	1470	1433	1393	1350	1309	1261
				WATTS	285	299	312	324	335	349	363	378	393	407
				BHP	0.31	0.32	0.33	0.35	0.36	0.37	0.39	0.41	0.42	0.44
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	34	35
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	19	20
		High	Black	CFM	1775	1736	1696	1660	1622	1588	1557	1516	1472	1426
				WATTS	371	386	401	410	424	439	453	468	483	497
				BHP	0.40	0.41	0.43	0.44	0.45	0.47	0.49	0.50	0.52	0.53
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

DRY COIL AIR DELIVERY* – DOWNFLOW DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
48090	35 - 65ºF (19 - 36ºC)	Low[1]	Blue	CFM	1503	1457	1423	1374	1330	1287	1241	1199	1153	1111
				WATTS	225	233	246	254	269	282	292	307	314	329
				BHP	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.33	0.34	0.35
				Heating Rise (ºF)	45	47	48	49	51	53	55	57	59	61
				Heating Rise (ºC)	25	26	27	27	28	29	30	32	33	34
		Med-Low	Pink	CFM	1556	1508	1461	1432	1388	1346	1302	1256	1221	1168
				WATTS	244	261	268	281	290	305	319	330	345	353
				BHP	0.26	0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.37	0.38
				Heating Rise (ºF)	44	45	47	47	49	51	52	54	56	58
				Heating Rise (ºC)	24	25	26	26	27	28	29	30	31	32
		Medium[2]	Red	CFM	1861	1822	1786	1758	1716	1688	1660	1619	1583	1539
				WATTS	400	417	426	441	452	467	482	492	507	519
				BHP	0.43	0.45	0.46	0.47	0.48	0.50	0.52	0.53	0.54	0.56
				Heating Rise (ºF)	37	37	38	39	40	40	41	42	43	44
				Heating Rise (ºC)	20	21	21	21	22	22	23	23	24	25
		Med-High	Orange	CFM	2319	2291	2255	2230	2193	2166	2118	2057	1992	1887
				WATTS	758	769	787	799	808	823	822	805	780	737
				BHP	0.81	0.82	0.84	0.86	0.87	0.88	0.88	0.86	0.84	0.79
				Heating Rise (ºF)	29	30	30	30	31	31	32	33	34	36
				Heating Rise (ºC)	NA	NA	NA	NA	NA	17	18	18	19	20
		High	Black	CFM	2532	2487	2444	2391	2330	2259	2179	2111	2033	1949
				WATTS	1014	1022	1015	994	965	935	898	858	823	786
				BHP	1.09	1.10	1.09	1.07	1.03	1.00	0.96	0.92	0.88	0.84
				Heating Rise (ºF)	27	27	28	28	29	30	31	32	33	35
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	18	19	19
48115	30 - 60ºF (17 - 33ºC)	Low[1]	Blue	CFM	1503	1457	1423	1374	1330	1287	1241	1199	1153	1111
				WATTS	225	233	246	254	269	282	292	307	314	329
				BHP	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.33	0.34	0.35
				Heating Rise (ºF)	45	47	48	49	51	53	55	57	59	61
				Heating Rise (ºC)	25	26	27	27	28	29	30	32	33	34
		Med-Low	Pink	CFM	1556	1508	1461	1432	1388	1346	1302	1256	1221	1168
				WATTS	244	261	268	281	290	305	319	330	345	353
				BHP	0.26	0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.37	0.38
				Heating Rise (ºF)	44	45	47	47	49	51	52	54	56	58
				Heating Rise (ºC)	24	25	26	26	27	28	29	30	31	32
		Medium[2]	Red	CFM	1861	1822	1786	1758	1716	1688	1660	1619	1583	1539
				WATTS	400	417	426	441	452	467	482	492	507	519
				BHP	0.43	0.45	0.46	0.47	0.48	0.50	0.52	0.53	0.54	0.56
				Heating Rise (ºF)	37	37	38	39	40	40	41	42	43	44
				Heating Rise (ºC)	20	21	21	21	22	22	23	23	24	25
		Med-High	Orange	CFM	2319	2291	2255	2230	2193	2166	2118	2057	1992	1887
				WATTS	758	769	787	799	808	823	822	805	780	737
				BHP	0.81	0.82	0.84	0.86	0.87	0.88	0.88	0.86	0.84	0.79
				Heating Rise (ºF)	NA	NA	NA	NA	NA	31	32	33	34	36
				Heating Rise (ºC)	NA	NA	NA	NA	NA	17	18	18	19	20
		High	Black	CFM	2532	2487	2444	2391	2330	2259	2179	2111	2033	1949
				WATTS	1014	1022	1015	994	965	935	898	858	823	786
				BHP	1.09	1.10	1.09	1.07	1.03	1.00	0.96	0.92	0.88	0.84
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	32	33	35
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	18	19	19

DRY COIL AIR DELIVERY* – DOWNFLOW DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
48130	35 - 65ºF (19 - 36ºC)	Low[1]	Blue	CFM	1503	1457	1423	1374	1330	1287	1241	1199	1153	1111
				WATTS	225	233	246	254	269	282	292	307	314	329
				BHP	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.33	0.34	0.35
				Heating Rise (ºF)	45	47	48	49	51	53	55	57	59	61
				Heating Rise (ºC)	25	26	27	27	28	29	30	32	33	34
		Med-Low	Pink	CFM	1556	1508	1461	1432	1388	1346	1302	1256	1221	1168
				WATTS	244	261	268	281	290	305	319	330	345	353
				BHP	0.26	0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.37	0.38
				Heating Rise (ºF)	44	45	47	47	49	51	52	54	56	58
				Heating Rise (ºC)	24	25	26	26	27	28	29	30	31	32
		Medium[2]	Red	CFM	1861	1822	1786	1758	1716	1688	1660	1619	1583	1539
				WATTS	400	417	426	441	452	467	482	492	507	519
				BHP	0.43	0.45	0.46	0.47	0.48	0.50	0.52	0.53	0.54	0.56
				Heating Rise (ºF)	37	37	38	39	40	40	41	42	43	44
				Heating Rise (ºC)	20	21	21	21	22	22	23	23	24	25
		Med-High	Orange	CFM	2319	2291	2255	2230	2193	2166	2118	2057	1992	1887
				WATTS	758	769	787	799	808	823	822	805	780	737
				BHP	0.81	0.82	0.84	0.86	0.87	0.88	0.88	0.86	0.84	0.79
				Heating Rise (ºF)	NA	NA	NA	NA	NA	31	32	33	34	36
				Heating Rise (ºC)	NA	NA	NA	NA	NA	17	18	18	19	20
		High	Black	CFM	2532	2487	2444	2391	2330	2259	2179	2111	2033	1949
				WATTS	1014	1022	1015	994	965	935	898	858	823	786
				BHP	1.09	1.10	1.09	1.07	1.03	1.00	0.96	0.92	0.88	0.84
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	32	33	35
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	18	19	19
60090	35 - 65ºF (19 - 36ºC)	Low[1]	Blue	CFM	1479	1436	1387	1346	1298	1253	1206	1160	1114	1061
				WATTS	224	239	247	262	270	284	300	307	319	330
				BHP	0.24	0.26	0.26	0.28	0.29	0.30	0.32	0.33	0.34	0.35
				Heating Rise (ºF)	46	47	49	51	52	54	56	59	NA	NA
				Heating Rise (ºC)	26	26	27	28	29	30	31	33	NA	NA
		Med-Low	Pink	CFM	1841	1796	1761	1724	1690	1651	1616	1578	1527	1478
				WATTS	425	434	453	460	476	485	501	508	525	542
				BHP	0.46	0.47	0.49	0.49	0.51	0.52	0.54	0.54	0.56	0.58
				Heating Rise (ºF)	37	38	39	39	40	41	42	43	45	46
				Heating Rise (ºC)	21	21	21	22	22	23	23	24	25	26
		Medium[2]	Red	CFM	1944	1913	1872	1838	1801	1771	1731	1698	1655	1613
				WATTS	486	501	511	529	537	554	565	578	595	603
				BHP	0.52	0.54	0.55	0.57	0.58	0.59	0.61	0.62	0.64	0.65
				Heating Rise (ºF)	35	36	36	37	38	38	39	40	41	42
				Heating Rise (ºC)	19	20	20	21	21	21	22	22	23	23
		Med-High	Orange	CFM	2178	2148	2105	2073	2036	2002	1967	1919	1845	1751
				WATTS	674	691	703	717	733	743	758	754	734	701
				BHP	0.72	0.74	0.75	0.77	0.79	0.80	0.81	0.81	0.79	0.75
				Heating Rise (ºF)	NA	NA	NA	NA	NA	34	35	35	37	39
				Heating Rise (ºC)	NA	NA	NA	NA	NA	19	19	20	20	22
		High	Black	CFM	2480	2432	2375	2322	2236	2161	2085	2006	1917	1808
				WATTS	1029	1012	995	975	941	908	869	836	796	751
				BHP	1.10	1.09	1.07	1.05	1.01	0.97	0.93	0.90	0.85	0.81
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	34	35	38
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	19	20	21

DRY COIL AIR DELIVERY* – DOWNFLOW DISCHARGE – UNIT PG(D,S)4

UNIT	HEATING RISE RANGE ºF (ºC)	MOTOR SPEED	WIRE COLOR		EXTERNAL STATIC PRESSURE (IN. W.C.)									
					0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
60115	30 - 60ºF (17 - 33ºC)	Low[1]	Blue	CFM	1479	1436	1387	1346	1298	1253	1206	1160	1114	1061
				WATTS	224	239	247	262	270	284	300	307	319	330
				BHP	0.24	0.26	0.26	0.28	0.29	0.30	0.32	0.33	0.34	0.35
				Heating Rise (ºF)	46	47	49	51	52	54	56	59	NA	NA
				Heating Rise (ºC)	26	26	27	28	29	30	31	33	NA	NA
		Med-Low	Pink	CFM	1841	1796	1761	1724	1690	1651	1616	1578	1527	1478
				WATTS	425	434	453	460	476	485	501	508	525	542
				BHP	0.46	0.47	0.49	0.49	0.51	0.52	0.54	0.54	0.56	0.58
				Heating Rise (ºF)	37	38	39	39	40	41	42	43	45	46
				Heating Rise (ºC)	21	21	21	22	22	23	23	24	25	26
		Medium[2]	Red	CFM	1944	1913	1872	1838	1801	1771	1731	1698	1655	1613
				WATTS	486	501	511	529	537	554	565	578	595	603
				BHP	0.52	0.54	0.55	0.57	0.58	0.59	0.61	0.62	0.64	0.65
				Heating Rise (ºF)	35	36	36	37	38	38	39	40	41	42
				Heating Rise (ºC)	19	20	20	21	21	21	22	22	23	23
		Med-High	Orange	CFM	2178	2148	2105	2073	2036	2002	1967	1919	1845	1751
				WATTS	674	691	703	717	733	743	758	754	734	701
				BHP	0.72	0.74	0.75	0.77	0.79	0.80	0.81	0.81	0.79	0.75
				Heating Rise (ºF)	NA	NA	NA	NA	NA	34	35	35	37	39
				Heating Rise (ºC)	NA	NA	NA	NA	NA	19	19	20	20	22
		High	Black	CFM	2480	2432	2375	2322	2236	2161	2085	2006	1917	1808
				WATTS	1029	1012	995	975	941	908	869	836	796	751
				BHP	1.10	1.09	1.07	1.05	1.01	0.97	0.93	0.90	0.85	0.81
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	34	35	38
				Heating Rise (ºC)	NA	NA	NA	NA	NA	NA	NA	19	20	21
60130	35 - 65ºF (19 - 36ºC)	Low[1]	Blue	CFM	1479	1436	1387	1346	1298	1253	1206	1160	1114	1061
				WATTS	224	239	247	262	270	284	300	307	319	330
				BHP	0.24	0.26	0.26	0.28	0.29	0.30	0.32	0.33	0.34	0.35
				Heating Rise (ºF)	46	47	49	51	52	54	56	59	NA	NA
				Heating Rise (ºC)	26	26	27	28	29	30	31	33	NA	NA
		Med-Low	Pink	CFM	1841	1796	1761	1724	1690	1651	1616	1578	1527	1478
				WATTS	425	434	453	460	476	485	501	508	525	542
				BHP	0.46	0.47	0.49	0.49	0.51	0.52	0.54	0.54	0.56	0.58
				Heating Rise (ºF)	37	38	39	39	40	41	42	43	45	46
				Heating Rise (ºC)	21	21	21	22	22	23	23	24	25	26
		Medium[2]	Red	CFM	1944	1913	1872	1838	1801	1771	1731	1698	1655	1613
				WATTS	486	501	511	529	537	554	565	578	595	603
				BHP	0.52	0.54	0.55	0.57	0.58	0.59	0.61	0.62	0.64	0.65
				Heating Rise (ºF)	35	36	36	37	38	38	39	40	41	42
				Heating Rise (ºC)	19	20	20	21	21	21	22	22	23	23
		Med-High	Orange	CFM	2178	2148	2105	2073	2036	2002	1967	1919	1845	1751
				WATTS	674	691	703	717	733	743	758	754	734	701
				BHP	0.72	0.74	0.75	0.77	0.79	0.80	0.81	0.81	0.79	0.75
				Heating Rise (ºF)	NA	NA	NA	NA	NA	34	35	35	37	39
				Heating Rise (ºC)	NA	NA	NA	NA	NA	19	19	20	20	22
		High	Black	CFM	2480	2432	2375	2322	2236	2161	2085	2006	1917	1808
				WATTS	1029	1012	995	975	941	908	869	836	796	751
				BHP	1.10	1.09	1.07	1.05	1.01	0.97	0.93	0.90	0.85	0.81
				Heating Rise (ºF)	NA	NA	NA	NA	NA	NA	NA	34	35	38

*Air delivery values are without air filter and are for dry coil (See PGD/S4 Wet Coil Pressure Drop table).
[1] Factory-shipped heating speed
[2] Factory-shipped cooling 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.
Shaded areas indicate speed/static combinations that are not permitted for dehumidification speed.

HORIZONTAL WET COIL PRESSURE DROP

UNIT SIZE	STANDARD CFM (S.C.F.M)														
	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
24	0.030	0.037	0.044	0.053	0.063	–	–	–	–	–	–	–	–	–	–
30	–	0.037	0.044	0.053	0.063	0.072	0.081	0.105	–	–	–	–	–	–	–
36	–	–	–	0.055	0.060	0.090	0.100	0.110	0.140	–	–	–	–	–	–
42	–	–	–	–	0.045	0.050	0.060	0.065	0.075	0.080	0.090	0.094	0.110	–	–
48	–	–	–	–	–	–	0.041	0.063	0.085	0.100	0.104	0.110	0.120	0.130	–
60	–	–	–	–	–	–	–	–	–	0.060	0.065	0.072	0.077	0.085	0.100

WET COIL AIR DELIVERY – DOWNFLOW – HIGH SPEED WITH 1–IN. (25 MM) FILTER AND ECONOMIZER

UNIT SIZE	EXTERNAL STATIC PRESSURE (in. W.C.)									
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
36	1333	1289	1256	1214	1152	1118	1076	1035	997	950
42	1612	1569	1527	1481	1451	1393	1351	1317	1278	1242
48	2166	2085	2002	1919	1798	1709	1582	1467	1270	988
60	2298	2239	2180	2110	2044	1951	1862	1777	1697	1591

HORIZONTAL FILTER PRESSURE DROP TABLE (IN. W.C.)

FILTER SIZE in. (mm)	CFM																		
	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
20X20X1 (508X508X25)	0.05	0.07	0.08	0.1	0.12	0.13	0.14	0.15	—	—	—	—	—	—	—	—	—	—	—
20X24X1 (508X610x25)	—	—	—	—	0.09	0.10	0.11	0.13	0.14	0.15	0.16	—	—	—	—	—	—	—	—
24X30X1 (610X762x25)	—	—	—	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.1	—	—	—	—	—	—	—	—
24X36X1 (610X914X25)	—	—	—	—	—	—	—	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.14	0.14

HORIZONTAL ECONOMIZER 1–IN. (25 MM) FILTER PRESSURE DROP (IN. W.C.)

UNIT PGD4/PGS4	PRESSURE DROP
24–36	0.20
42–60	0.25

NATURAL GAS ORIFICE SIZES AND MANIFOLD PRESSURE

Nameplate Input (Btu/hr)		ALTITUDE OF INSTALLATION (FT. ABOVE SEA LEVEL) U.S.A.*				
		0 to 2000 (0–610 m)	2001 to 3000* (611 to 914 m)	3001 to 4000 (915 to 1219 m)	4001 to 5000 (1220 to 1524 m)	5001 to 6000 (1524 to 1829 m)
40000	Orifice No. (Qty)	44 (2)	45 (2)†	48 (2)†	48 (2)†	48 (2)†
	Manifold Press.	3.2	3.2	3.8	3.5	3.2
60000	Orifice No. (Qty)	38 (2)	41 (2)†	41 (2)†	42 (2)†	42 (2)†
	Manifold Press.	3.6	3.8	3.4	3.4	3.2
90000	Orifice No. (Qty)	38 (3)	41 (3)†	41 (3)†	42 (3)†	42 (3)†
	Manifold Press.	3.6	3.8	3.4	3.4	3.2
115000	Orifice No. (Qty)	33 (3)	36 (3)†	36 (3)†	36 (3)†	38 (3)†
	Manifold Press.	3.8	3.8	3.6	3.3	3.6
130000	Orifice No. (Qty)	31 (3)	31 (3)	33 (3)†	33 (3)†	34 (3)†
	Manifold Press.	3.8	3.2	3.7	3.4	3.3

*In the U.S.A., the input rating for altitudes above 2000 ft (610m) must be reduced by 4% for each 1000 ft (305 m) above Sea level.
In Canada, the input rating for altitudes from 2001 to 4500 ft (611 to 1372 m) above sea level must be derated by 10% by an authorized gas conversion station or dealer.
For Canadian Installations from 2000 to 4500 ft, use U.S.A. column 2001 to 3000 ft.
Note: Orifice sizes and manifold pressure settings are based on natural gas with a heating value of 1025 Btu/ft3 amd a specific gravity of .6.
† Orifices available through your distributor.

PROPANE GAS ORIFICE SIZES AND MANIFOLD PRESSURE

Nameplate Input (Btu/hr)		ALTITUDE OF INSTALLATION (FT. ABOVE SEA LEVEL) U.S.A.*				
		0 to 2000 (0–610 m)	2001 to 3000* (611 to 914 m)	3001 to 4000 (915 to 1219 m)	4001 to 5000 (1220 to 1524 m)	5001 to 6000 (1524 to 1829 m)
40000	Orifice No. (Qty)	55 (2)	56 (2)	56 (2)	56 (2)	56 (2)
	Manifold Press. ("WC)	10.0	11.0	11.0	11.0	10.7
60000	Orifice No. (Qty)	53 (2)	54 (2)	54 (2)	54 (2)	54 (2)
	Manifold Press. ("WC)	10.0	11.0	11.0	11.0	11.0
90000	Orifice No. (Qty)	53 (3)	54 (3)	54 (3)	54 (3)	54 (3)
	Manifold Press. ("WC)	10.0	11.0	11.0	11.0	11.0
115000	Orifice No. (Qty)	51 (3)	52 (3)	52 (3)	53 (3)	53 (3)
	Manifold Press. ("WC)	10.0	11.0	10.6	11.0	11.0
130000	Orifice No. (Qty)	49 (3)	50 (3)	51 (3)	52 (3)	52 (3)
	Manifold Press. ("WC)	10.0	11.0	11.0	11.0	11.0

*In the U.S.A., the input rating for altitudes above 2000 ft (610m) must be reduced by 4% for each 1000 ft (305 m) above Sea level.
In Canada, the input rating for altitudes from 2001 to 4500 ft (611 to 1372 m) above sea level must be derated by 10% by an authorized gas conversion station or dealer.
For Canadian Installations from 2000 to 4500 ft (610–1372 m), use U.S.A. column 2001 to 3000 ft (611 to 914 m).
†Use Kit No. NPLPCONV013A00 (0–2000 ft [0–610 m] above sea level). Use Kit No. NPLPCONV014A00 (2001–6000 ft [611–1829 m] above sea level).

HIGH ALTITUDE COMPENSATION, PROPANE GAS

Nameplate Input (Btu/hr)	Rated Heating Input (Btu/hr), LP Gas at Installation Altitude Above Sea Level, U.S.A.*				
	0 to 2000 ft (0–610 m)	2001 to 3000 ft* (611 to 914 m)	3001 to 4000 ft (915 to 1219 m)	4001 to 5000 ft (1220 to 1524 m)	5001 to 6000 ft (1524 to 1829 m)
40000	38000	31700	31700	31700	31200
60000	53000	45900	45900	45800	45800
90000	79000	68900	68900	68600	68600
115000	103000	100400	98900	83000	83000
130000	116000	115500	111800	101300	100400

*In the U.S.A., the input rating for altitudes above 2000 ft (610m) must be reduced by 4% for each 1000 ft (305 m) above Sea level.
In Canada, the input rating for altitudes from 2001 to 4500 ft (611 to 1372 m) above sea level must be derated by 10% by an authorized gas conversion station or dealer.
For Canadian Installations from 2000 to 4500 ft (610–1372 m), use U.S.A. column 2001 to 3000 ft (611 to 914 m).

HIGH ALTITUDE COMPENSATION, NATURAL GAS

Nameplate Input (Btu/hr)	Rated Heating Input (Btu/hr), Natural Gas at Installation Altitude Above Sea Level, U.S.A.*				
	0 to 2000 ft (0–610 m)	2001 to 3000 ft* (611 to 914 m)	3001 to 4000 ft (915 to 1219 m)	4001 to 5000 ft (1220 to 1524 m)	5001 to 6000 ft (1524 to 1829 m)
40000	40000	36000	34400	32800	31200
60000	60000	54000	51600	49200	46800
90000	90000	81000	77400	73800	70200
115000	115000	103500	98900	94300	89700
130000	130000	117000	111800	106600	101400

*In the U.S.A., the input rating for altitudes above 2000 ft (610m) must be reduced by 4% for each 1000 ft (305 m) above Sea level.
In Canada, the input rating for altitudes from 2001 to 4500 ft (611 to 1372 m) above sea level must be derated by 10% by an authorized gas conversion station or dealer.
For Canadian Installations from 2000 to 4500 ft (610–1372 m), use U.S.A. column 2001 to 3000 ft (611 to 914 m).

COOLING EXTENDED PERFORMANCE TABLE PG(D,S)424

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM/BF	EWB °F (°C)	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
700/0.02	57(13.8)	22.98	22.98	1.47	21.68	21.68	1.68	20.31	20.31	1.90	18.78	18.78	2.14	17.08	17.08	2.40	15.36	15.36	2.68
	62(16.6)	23.82	21.37	1.48	22.23	20.56	1.68	20.58	19.70	1.91	18.81	18.81	2.14	17.11	17.11	2.40	15.39	15.39	2.68
	63*(17.2)	24.35	17.47	1.49	22.73	16.72	1.69	21.04	15.94	1.91	19.13	15.07	2.15	16.92	14.08	2.39	14.70	13.09	2.66
	67(19.4)	26.42	18.21	1.49	24.76	17.49	1.71	23.03	16.75	1.95	21.14	15.93	2.20	18.89	14.98	2.44	16.58	14.01	2.71
	72(22.2)	28.85	14.79	1.50	27.32	14.23	1.72	25.63	13.61	1.96	23.80	12.93	2.23	21.65	12.14	2.52	19.22	11.24	2.79
800/0.03	57(13.8)	24.12	24.12	1.50	22.76	22.76	1.71	21.34	21.34	1.94	19.80	19.80	2.18	17.99	17.99	2.43	16.19	16.19	2.72
	62(16.6)	24.50	23.07	1.50	22.90	22.19	1.71	21.38	21.38	1.94	19.84	19.84	2.18	18.02	18.02	2.44	16.22	16.22	2.72
	63*(17.2)	25.00	18.69	1.50	23.32	17.92	1.72	21.58	17.12	1.94	19.66	16.24	2.18	17.37	15.21	2.42	15.09	14.18	2.69
	67(19.4)	27.05	19.46	1.51	25.38	18.76	1.72	23.60	18.00	1.97	21.66	17.17	2.23	19.36	16.20	2.47	17.00	15.20	2.74
	72(22.2)	29.34	15.47	1.53	27.83	14.96	1.74	26.14	14.36	1.98	24.31	13.70	2.25	22.19	12.94	2.54	19.67	12.02	2.83
900/0.04	57(13.8)	25.11	25.11	1.52	23.69	23.69	1.74	22.22	22.22	1.97	20.65	20.65	2.22	18.78	18.78	2.47	16.90	16.90	2.76
	62(16.6)	25.16	25.16	1.52	23.73	23.73	1.74	22.26	22.26	1.97	20.68	20.68	2.22	18.81	18.81	2.47	16.93	16.93	2.76
	63*(17.2)	25.49	19.84	1.52	23.79	19.07	1.74	22.01	18.25	1.97	20.08	17.36	2.21	17.74	16.30	2.45	15.43	15.18	2.72
	67(19.4)	27.52	20.63	1.53	25.83	19.96	1.74	24.04	19.20	1.98	22.07	18.37	2.25	19.75	17.37	2.50	17.35	16.33	2.77
	72(22.2)	29.68	16.09	1.55	28.19	15.62	1.76	26.50	15.05	2.00	24.67	14.41	2.27	22.61	13.70	2.57	20.03	12.76	2.86

COOLING EXTENDED PERFORMANCE TABLE PG(D,S)430

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM/BF	EWB °F (°C)	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
875/0.03	57(13.8)	26.99	26.99	1.86	26.03	26.03	2.08	24.84	24.84	2.31	23.28	23.28	2.55	21.63	21.63	2.82	19.83	19.83	3.11
	62(16.6)	27.80	26.01	1.87	26.54	25.26	2.08	25.04	24.35	2.31	23.33	23.33	2.55	21.67	21.67	2.82	19.87	19.87	3.11
	63*(17.2)	28.37	21.21	1.87	27.09	20.50	2.09	25.54	19.70	2.32	23.41	18.68	2.55	21.13	17.63	2.81	18.66	16.51	3.08
	67(19.4)	30.73	22.07	1.86	29.48	21.44	2.10	27.98	20.72	2.35	25.91	19.78	2.59	23.61	18.78	2.85	21.10	17.72	3.13
	72(22.2)	33.46	17.78	1.87	32.40	17.30	2.10	31.09	16.72	2.36	29.42	16.04	2.64	27.07	15.10	2.93	24.52	14.14	3.21
1000/0.04	57(13.8)	28.26	28.26	1.89	27.27	27.27	2.12	26.09	26.09	2.36	24.45	24.45	2.59	22.72	22.72	2.87	20.84	20.84	3.16
	62(16.6)	28.57	27.98	1.89	27.32	27.32	2.13	26.13	26.13	2.36	24.49	24.49	2.60	22.76	22.76	2.87	20.87	20.87	3.16
	63*(17.2)	29.05	22.65	1.89	27.73	21.95	2.13	26.16	21.15	2.36	23.97	20.11	2.59	21.65	19.03	2.85	19.13	17.84	3.12
	67(19.4)	31.37	23.54	1.89	30.12	22.95	2.12	28.60	22.25	2.38	26.53	21.33	2.63	24.15	20.29	2.89	21.60	19.20	3.18
	72(22.2)	33.95	18.56	1.90	32.92	18.14	2.14	31.61	17.60	2.39	30.05	16.99	2.68	27.65	16.09	2.98	25.04	15.12	3.26
1125/0.05	57(13.8)	29.32	29.32	1.92	28.31	28.31	2.15	27.10	27.10	2.41	25.45	25.45	2.64	23.65	23.65	2.91	21.70	21.70	3.21
	62(16.6)	29.36	29.36	1.92	28.35	28.35	2.15	27.14	27.14	2.41	25.49	25.49	2.64	23.68	23.68	2.92	21.73	21.73	3.21
	63*(17.2)	29.55	24.01	1.92	28.22	23.33	2.15	26.63	22.53	2.40	24.43	21.47	2.62	22.07	20.33	2.88	19.66	19.66	3.17
	67(19.4)	31.84	24.91	1.92	30.59	24.37	2.15	29.08	23.70	2.41	27.00	22.80	2.68	24.60	21.73	2.93	22.02	20.55	3.22
	72(22.2)	34.29	19.27	1.94	33.28	18.91	2.17	31.97	18.40	2.43	30.44	17.85	2.71	28.11	17.06	3.01	25.43	16.05	3.31

See Legend and Notes following tables.

COOLING EXTENDED PERFORMANCE TABLE PG(D,S)436

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM/BF	EWB °F (°C)	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1050/0.04	57(13.8)	32.04	32.04	2.19	31.05	31.05	2.46	29.67	29.67	2.74	27.89	27.89	3.04	25.97	25.97	3.38	23.86	23.86	3.76
	62(16.6)	32.91	27.48	2.20	31.59	27.24	2.46	29.83	29.66	2.74	27.93	27.93	3.04	26.01	26.01	3.38	23.90	23.90	3.76
	63*(17.2)	33.62	22.38	2.21	32.24	22.10	2.47	30.40	21.63	2.75	27.88	20.90	3.04	25.18	20.09	3.37	22.23	19.16	3.72
	67(19.4)	36.45	23.33	2.21	35.13	23.14	2.49	33.48	22.83	2.80	30.96	22.18	3.09	28.22	21.45	3.42	25.24	20.62	3.78
	72(22.2)	39.67	18.74	2.22	38.63	18.63	2.50	37.24	18.38	2.81	35.25	17.95	3.16	32.48	17.21	3.51	29.45	16.41	3.88
1200/0.05	57(13.8)	33.50	33.50	2.25	32.48	32.48	2.53	31.16	31.16	2.81	29.25	29.25	3.11	27.24	27.24	3.46	25.04	25.04	3.83
	62(16.6)	33.79	29.49	2.25	32.53	32.53	2.53	31.22	31.22	2.82	29.30	29.30	3.11	27.28	27.28	3.46	25.08	25.08	3.84
	63*(17.2)	34.36	23.89	2.25	32.96	23.65	2.53	31.14	23.23	2.81	28.52	22.48	3.10	25.75	21.66	3.43	22.79	20.63	3.79
	67(19.4)	37.19	24.89	2.25	35.85	24.76	2.54	34.20	24.50	2.85	31.64	23.89	3.16	28.84	23.16	3.49	25.80	22.30	3.85
	72(22.2)	40.13	19.52	2.27	39.14	19.50	2.55	37.77	19.31	2.86	35.97	19.03	3.21	33.15	18.34	3.58	30.03	17.54	3.95
1350/0.06	57(13.8)	34.72	34.72	2.30	33.67	33.67	2.58	32.38	32.38	2.89	30.42	30.42	3.18	28.32	28.32	3.53	26.03	26.03	3.91
	62(16.6)	34.77	34.77	2.30	33.72	33.72	2.58	32.42	32.42	2.89	30.47	30.47	3.19	28.36	28.36	3.53	26.07	26.07	3.91
	63*(17.2)	34.95	25.34	2.30	33.50	25.12	2.58	31.73	24.75	2.88	29.03	23.98	3.16	26.24	23.10	3.49	23.49	23.49	3.85
	67(19.4)	37.71	26.36	2.30	36.39	26.30	2.58	34.73	26.08	2.90	32.19	25.52	3.22	29.33	24.77	3.55	26.31	23.80	3.92
	72(22.2)	40.41	20.21	2.32	39.47	20.28	2.60	38.09	20.14	2.91	36.46	20.02	3.26	33.65	19.42	3.64	30.47	18.63	4.02

COOLING EXTENDED PERFORMANCE TABLE PG(D,S)442

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM/BF	EWB °F (°C)	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1225/0.03	57(13.8)	39.61	39.61	2.72	37.75	37.75	3.11	35.18	35.18	3.47	32.60	32.60	3.87	29.87	29.87	4.29	27.01	27.01	4.72
	62(16.6)	41.07	38.45	2.67	38.75	36.39	3.09	35.55	33.89	3.46	32.66	32.66	3.87	29.92	29.92	4.29	27.06	27.06	4.72
	63*(17.2)	41.95	31.44	2.64	39.60	29.62	3.07	36.33	27.46	3.45	32.90	25.32	3.87	29.27	23.19	4.30	25.42	21.06	4.73
	67(19.4)	45.37	32.67	2.53	43.06	30.92	2.96	39.97	28.94	3.40	36.45	26.82	3.83	32.72	24.71	4.27	28.81	22.62	4.72
	72(22.2)	49.27	26.39	2.42	46.93	24.87	2.85	44.47	23.37	3.31	41.33	21.77	3.74	37.56	19.92	4.23	33.52	18.06	4.71
1400/0.04	57(13.8)	41.50	41.50	2.69	39.58	39.58	3.11	36.97	36.97	3.49	34.25	34.25	3.90	31.39	31.39	4.32	28.40	28.40	4.76
	62(16.6)	42.21	41.36	2.67	39.89	39.13	3.10	37.03	37.03	3.49	34.31	34.31	3.89	31.45	31.45	4.32	28.45	28.45	4.76
	63*(17.2)	42.97	33.53	2.65	40.58	31.68	3.08	37.25	29.48	3.49	33.72	27.26	3.90	29.98	25.02	4.34	26.10	22.75	4.77
	67(19.4)	46.35	34.80	2.54	43.98	33.00	2.97	41.00	31.10	3.42	37.31	28.90	3.87	33.50	26.70	4.31	29.50	24.50	4.76
	72(22.2)	50.00	27.51	2.44	47.63	26.00	2.87	45.07	24.46	3.33	42.19	23.04	3.76	38.40	21.21	4.25	34.25	19.32	4.76
1575/0.05	57(13.8)	43.07	43.07	2.68	41.12	41.12	3.10	38.51	38.51	3.52	35.67	35.67	3.92	32.70	32.70	4.36	29.59	29.59	4.80
	62(16.6)	43.17	43.17	2.68	41.17	41.17	3.10	38.57	38.57	3.52	35.73	35.73	3.92	32.75	32.75	4.36	29.63	29.63	4.80
	63*(17.2)	43.75	35.51	2.67	41.32	33.62	3.10	37.99	31.40	3.52	34.37	29.08	3.94	30.58	26.74	4.37	26.77	26.77	4.81
	67(19.4)	47.03	36.77	2.56	44.64	34.95	2.99	41.77	33.12	3.44	38.00	30.88	3.90	34.12	28.58	4.35	30.10	26.23	4.80
	72(22.2)	50.51	28.53	2.47	48.10	27.01	2.90	45.48	25.44	3.37	42.80	24.21	3.79	39.02	22.42	4.27	34.83	20.52	4.79

See Legend and Notes following tables.

COOLING EXTENDED PERFORMANCE TABLE PG(D,S)448

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM/BF	EWB °F (°C)	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1400/0.04	57(13.8)	45.84	45.84	2.98	43.32	43.32	3.39	40.27	40.27	3.79	36.93	36.93	4.23	33.57	33.57	4.70	30.16	30.16	5.21
	62(16.6)	47.63	42.40	3.00	44.58	40.08	3.40	40.96	37.50	3.80	36.99	36.99	4.23	33.63	33.63	4.70	30.21	30.21	5.21
	63*(17.2)	48.63	34.72	3.00	45.52	32.68	3.41	41.85	30.46	3.82	37.52	28.03	4.23	33.20	25.66	4.69	28.77	23.31	5.18
	67(19.4)	52.66	36.12	2.99	49.43	34.10	3.41	46.02	32.06	3.86	41.50	29.66	4.31	37.03	27.31	4.77	32.47	24.99	5.27
	72(22.2)	57.51	29.34	2.99	54.21	27.62	3.41	50.75	25.85	3.86	46.93	24.09	4.35	42.34	22.07	4.88	37.63	20.03	5.42
1600/0.05	57(13.8)	47.96	47.96	3.06	45.32	45.32	3.47	42.32	42.32	3.89	38.76	38.76	4.32	35.24	35.24	4.80	31.66	31.66	5.31
	62(16.6)	48.90	45.54	3.06	45.80	43.03	3.47	42.41	42.41	3.89	38.82	38.82	4.32	35.30	35.30	4.80	31.72	31.72	5.32
	63*(17.2)	49.79	37.01	3.06	46.56	34.90	3.47	42.93	32.66	3.90	38.42	30.10	4.31	33.97	27.62	4.77	29.47	25.14	5.26
	67(19.4)	53.81	38.48	3.05	50.48	36.40	3.46	47.00	34.30	3.92	42.43	31.88	4.39	37.88	29.44	4.86	33.20	27.00	5.35
	72(22.2)	58.37	30.60	3.05	55.05	28.87	3.47	51.47	27.05	3.93	47.81	25.40	4.41	43.22	23.43	4.94	38.39	21.38	5.50
1800/0.06	57(13.8)	49.74	49.74	3.12	47.00	47.00	3.53	44.06	44.06	3.98	40.29	40.29	4.41	36.64	36.64	4.89	32.92	32.92	5.41
	62(16.6)	50.02	49.61	3.11	47.06	47.06	3.53	44.13	44.13	3.98	40.35	40.35	4.41	36.69	36.69	4.89	32.97	32.97	5.41
	63*(17.2)	50.68	39.21	3.11	47.38	37.03	3.53	43.79	34.77	3.98	39.13	32.09	4.38	34.61	29.48	4.84	30.08	26.75	5.33
	67(19.4)	54.66	40.72	3.10	51.27	38.58	3.52	47.75	36.43	3.97	43.18	34.03	4.47	38.53	31.47	4.93	33.83	28.88	5.44
	72(22.2)	58.98	31.74	3.11	55.61	30.01	3.53	51.97	28.16	3.99	48.35	26.51	4.48	43.87	24.71	4.99	38.98	22.66	5.56

COOLING EXTENDED PERFORMANCE TABLE PG(D,S)460

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM/BF	EWB °F (°C)	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW	Capacity MBtuh		Total Sys kW
		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens		Total	Sens	
1750/0.19	57(13.8)	57.97	57.97	3.80	55.02	55.02	4.21	51.93	51.93	4.68	48.68	48.68	5.21	45.23	45.23	5.81	41.56	41.56	6.49
	62(16.6)	59.45	53.94	3.82	55.93	51.73	4.22	52.32	49.43	4.68	48.74	48.74	5.21	45.29	45.29	5.81	41.61	41.61	6.49
	63*(17.2)	60.48	43.88	3.83	56.84	41.90	4.23	53.09	39.89	4.69	49.17	37.85	5.21	45.08	35.75	5.80	40.81	33.61	6.47
	67(19.4)	65.05	45.58	3.88	61.08	43.55	4.29	57.00	41.50	4.75	52.75	39.41	5.27	48.31	37.28	5.86	43.70	35.10	6.52
	72(22.2)	71.36	36.96	3.97	66.97	35.08	4.38	62.43	33.17	4.83	57.72	31.22	5.35	52.82	29.25	5.94	47.74	27.24	6.59
2000/0.23	57(13.8)	60.36	60.36	3.91	57.19	57.19	4.32	53.88	53.88	4.79	50.41	50.41	5.31	46.72	46.72	5.91	42.83	42.83	6.59
	62(16.6)	60.82	57.92	3.91	57.29	57.29	4.32	53.96	53.96	4.79	50.47	50.47	5.32	46.78	46.78	5.92	42.88	42.88	6.59
	63*(17.2)	61.65	46.80	3.92	57.84	44.73	4.33	53.93	42.64	4.78	49.88	40.51	5.30	45.65	38.32	5.89	41.27	36.06	6.56
	67(19.4)	66.24	48.72	3.98	62.11	46.60	4.39	57.86	44.46	4.85	53.47	42.28	5.36	48.88	40.05	5.95	44.14	37.77	6.61
	72(22.2)	72.62	38.94	4.06	68.04	36.99	4.47	63.32	35.02	4.93	58.45	33.03	5.45	53.38	30.99	6.03	48.15	28.93	6.68
2250/0.27	57(13.8)	62.35	62.35	4.01	58.99	58.99	4.43	55.49	55.49	4.89	51.82	51.82	5.42	47.93	47.93	6.02	43.84	43.84	6.69
	62(16.6)	62.44	62.44	4.01	59.07	59.07	4.43	55.56	55.56	4.89	51.88	51.88	5.42	47.99	47.99	6.02	43.88	43.88	6.69
	63*(17.2)	62.51	49.60	4.01	58.59	47.45	4.42	54.57	45.27	4.87	50.40	43.04	5.39	46.08	40.74	5.98	41.62	38.30	6.65
	67(19.4)	67.13	51.74	4.07	62.86	49.53	4.48	58.50	47.31	4.94	53.98	45.03	5.46	49.29	42.69	6.04	44.47	40.24	6.70
	72(22.2)	73.55	40.84	4.16	68.82	38.84	4.57	63.97	36.82	5.02	58.95	34.76	5.54	53.76	32.68	6.12	48.40	30.58	6.77

* At 75°F (24°C) entering dry bulb—Tennessee Valley Authority (TVA) rating conditions; all others at 80°F dry bulb.

LEGEND
BF— Bypass Factor
edb— Entering Dry—Bulb
Ewb— Entering Wet—Bulb
kW — Total Unit Power Input
SHC— Sensible Heat Capacity (1000 Btuh)
TC — Total Capacity (1000 Btuh) (net)
rh—Relative Humidity

COOLING 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:

$$^{t}ldb = {}^{t}edb - \frac{\text{Sensible capacity (Btuh)}}{1.10 \times \text{cfm}}$$

^{t}lwb = Wet—bulb temperature corresponding to enthalpy air leaving evaporator coil (^{h}lwb)

$$^{h}lwb = {}^{h}ewb - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{cfm}}$$

Where: ^{h}ewb = Enthalpy of air entering evaporator coil

4. The SHC is based on 80°F (26.6°C) edb temperature of air entering evaporator coil. Below 80°F (26.6°C) edb, subtract (corr factor x cfm) from SHC.
Above 80°F (26.6°C) edb, add (corr factor x cfm) to SHC.
Correction Factor = 1.10 x (1 + BF) x (edb + 80).

5. Integrated capacity is maximum (instantaneous) capacity less the effect of frost on the outdoor coil and the heat required to defrost it.

Unit PG(D,S)4	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT IN/MM	CENTER OF GRAVITY IN/MM					
		LB	KG	"A"	X		Y		Z	
24040/060	208/230	330	149.6	39-15/16 | 1014.4	22-13/16	579.4	15-5/16	388.9	15-11/16	398.5
30040/060	208/230	342	155.0	39-15/16 | 1014.4	22-13/16	579.4	15-5/16	388.9	15-13/16	401.6
36060/090	208/230	376	170.4	45-15/16 | 1166.8	22-13/16	579.4	15-5/16	388.9	16-5/8	422.3

Unit PG(D,S)4	CORNER WEIGHT LB/KG							
	"1"		"2"		"3"		"4"	
24040/060	49.5	22.5	66.0	29.9	98.9	44.9	115.4	52.4
30040/060	51.3	23.3	68.4	31.0	102.5	46.5	119.6	54.3
36060/090	56.4	25.6	75.2	34.1	112.7	51.2	131.5	59.7

REQUIRED CLEARANCES TO COMBUSTIBLE MATL.

	INCHES [MM]
TOP OF UNIT	14 [355.6]
DUCT SIDE OF UNIT	2 [50.8]
SIDE OPPOSITE DUCTS	14 [355.6]
BOTTOM OF UNIT	1/2 [12.7]
FLUE PANEL	36 [914.4]

NEC. REQUIRED CLEARANCES.

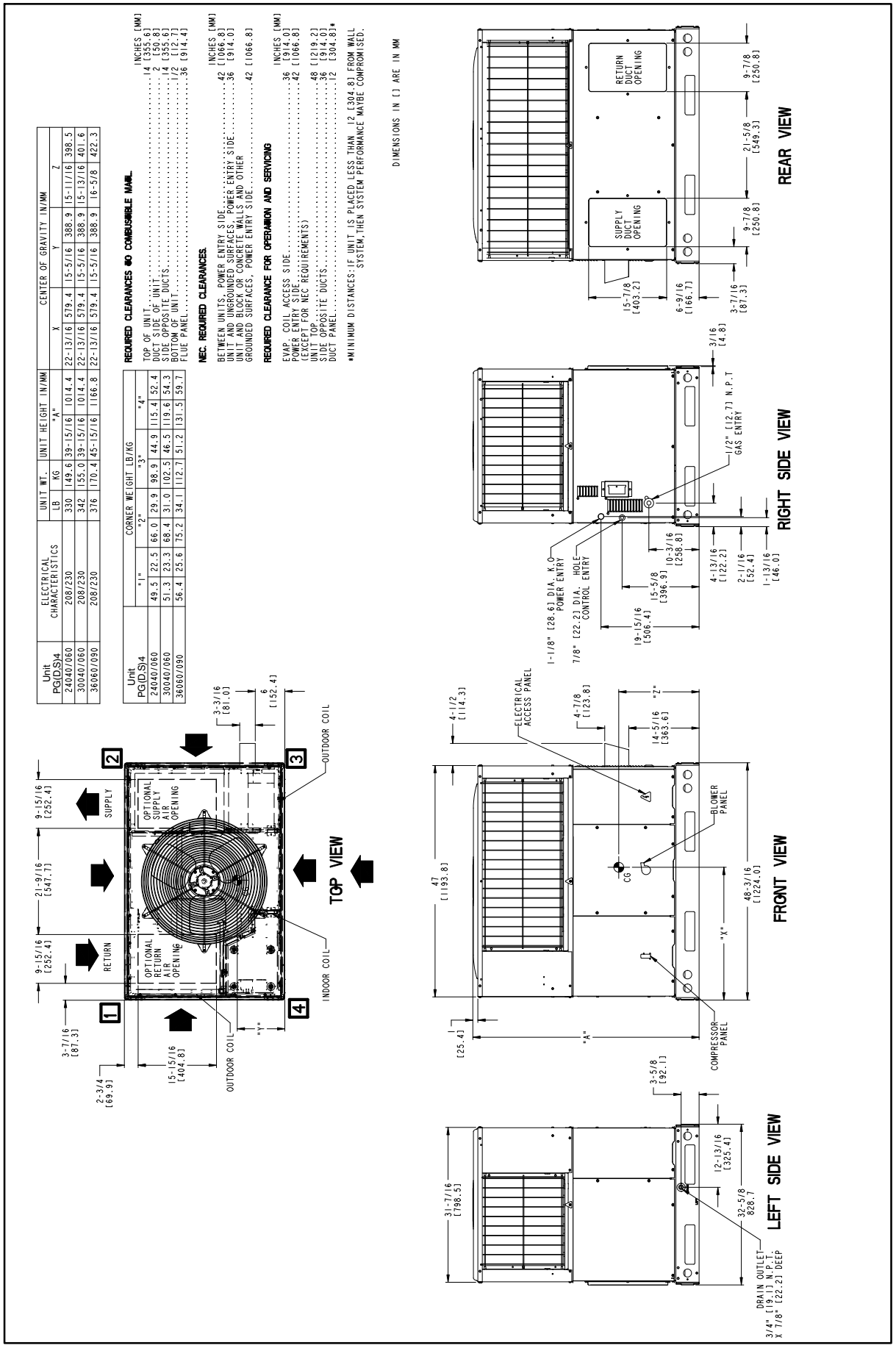
	INCHES [MM]
BETWEEN UNITS, POWER ENTRY SIDE	42 [1066.8]
UNIT AND UNGROUNDED SURFACES, POWER ENTRY SIDE	36 [914.0]
UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	42 [1066.8]

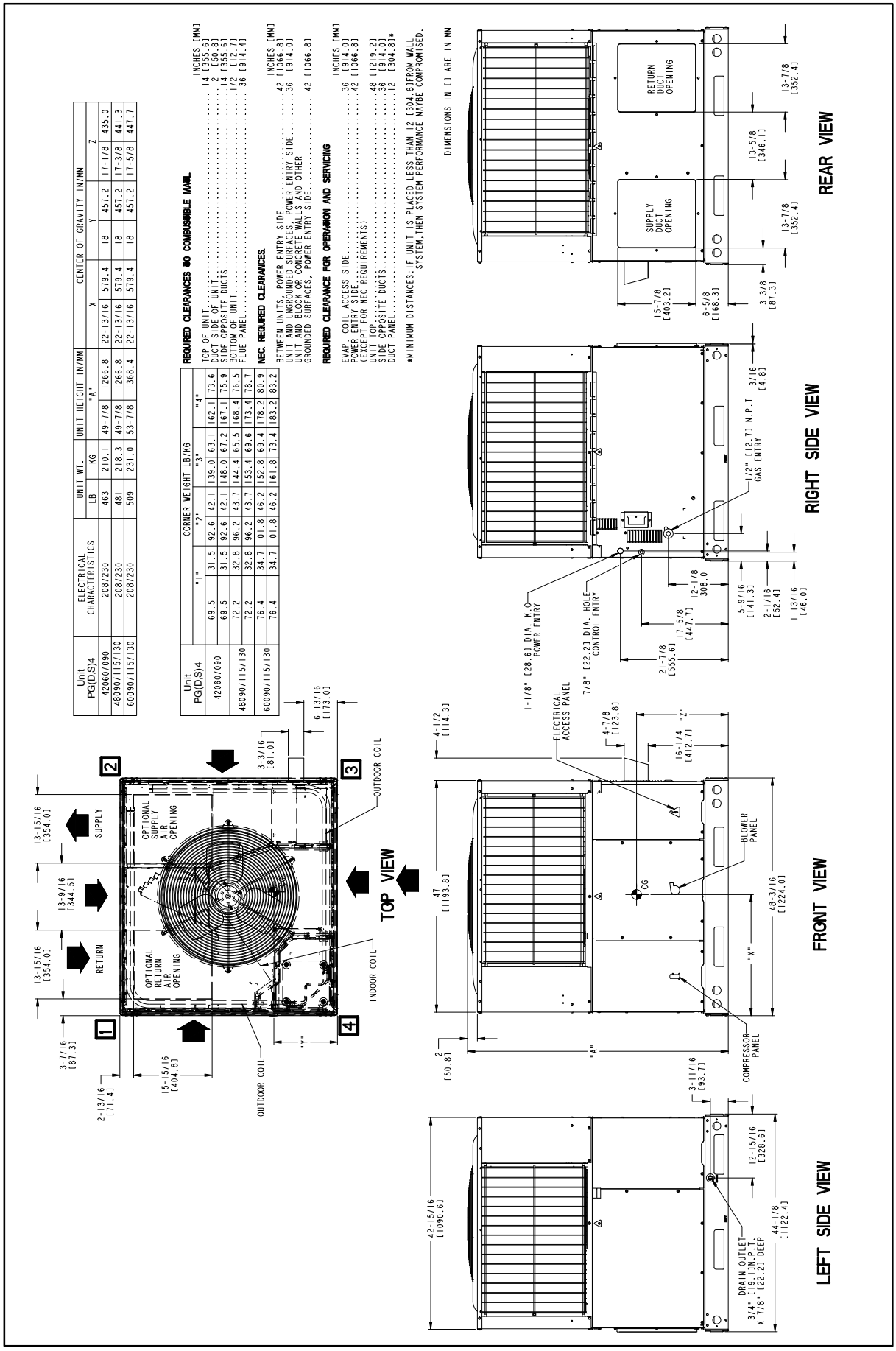
REQUIRED CLEARANCE FOR OPERATION AND SERVICING

	INCHES [MM]
EVAP. COIL ACCESS SIDE	36 [914.0]
POWER ENTRY SIDE (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 MM





Unit PG(D,S)4	ELECTRICAL CHARACTERISTICS	UNIT WT.		UNIT HEIGHT IN/MM	CENTER OF GRAVITY IN/MM		
		LB	KG	"A"	X	Y	Z
42060/090	208/230	463	210.1	49-7/8	1266.8	22-13/16	579.4	18	457.2	17-1/8	435.0
48090/115/130	208/230	481	218.3	49-7/8	1266.8	22-13/16	579.4	18	457.2	17-3/8	441.3
60090/115/130	208/230	509	231.0	53-7/8	1368.4	22-13/16	579.4	18	457.2	17-5/8	447.7

Unit PG(D,S)4	CORNER WEIGHT LB/KG								
	"1"		"2"		"3"		"4"	
42060/090	69.5	31.5	92.6	42.1	139.0	63.1	162.1	73.6
	69.5	31.5	92.6	42.1	148.0	67.2	167.1	75.9
48090/115/130	72.2	32.8	96.2	43.7	144.4	65.5	168.4	76.5
	72.2	32.8	96.2	43.7	153.4	69.6	173.4	78.7
60090/115/130	76.4	34.7	101.8	46.2	152.8	69.4	178.2	80.9
	76.4	34.7	101.8	46.2	161.8	73.4	183.2	83.2

REQUIRED CLEARANCES TO COMBUSTIBLE MAT'L. INCHES [MM]

TOP OF UNIT	14 [355.6]
DUCT SIDE OF UNIT	2 [50.8]
SIDE OPPOSITE DUCTS	14 [355.6]
BOTTOM OF UNIT	1/2 [12.7]
FLUE PANEL	36 [914.4]

NEC. REQUIRED CLEARANCES. INCHES [MM]

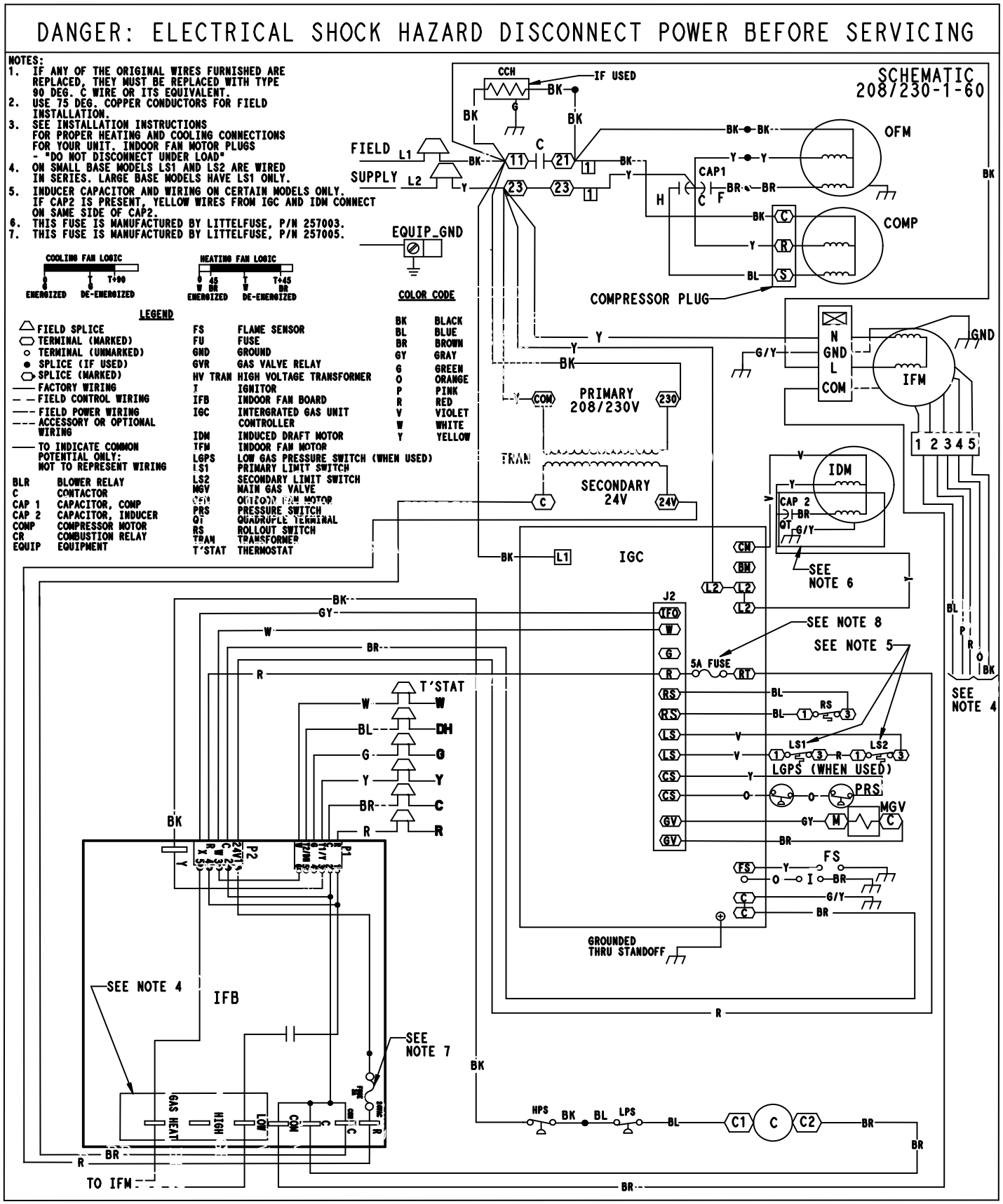
BETWEEN UNITS, POWER ENTRY SIDE	42 [1066.8]
UNIT AND GROUNDED SURFACES, POWER ENTRY SIDE	36 [914.0]
UNIT AND BACK OF CONCRETE WALL AND OTHER GROUNDED SURFACES, POWER ENTRY SIDE	42 [1066.8]

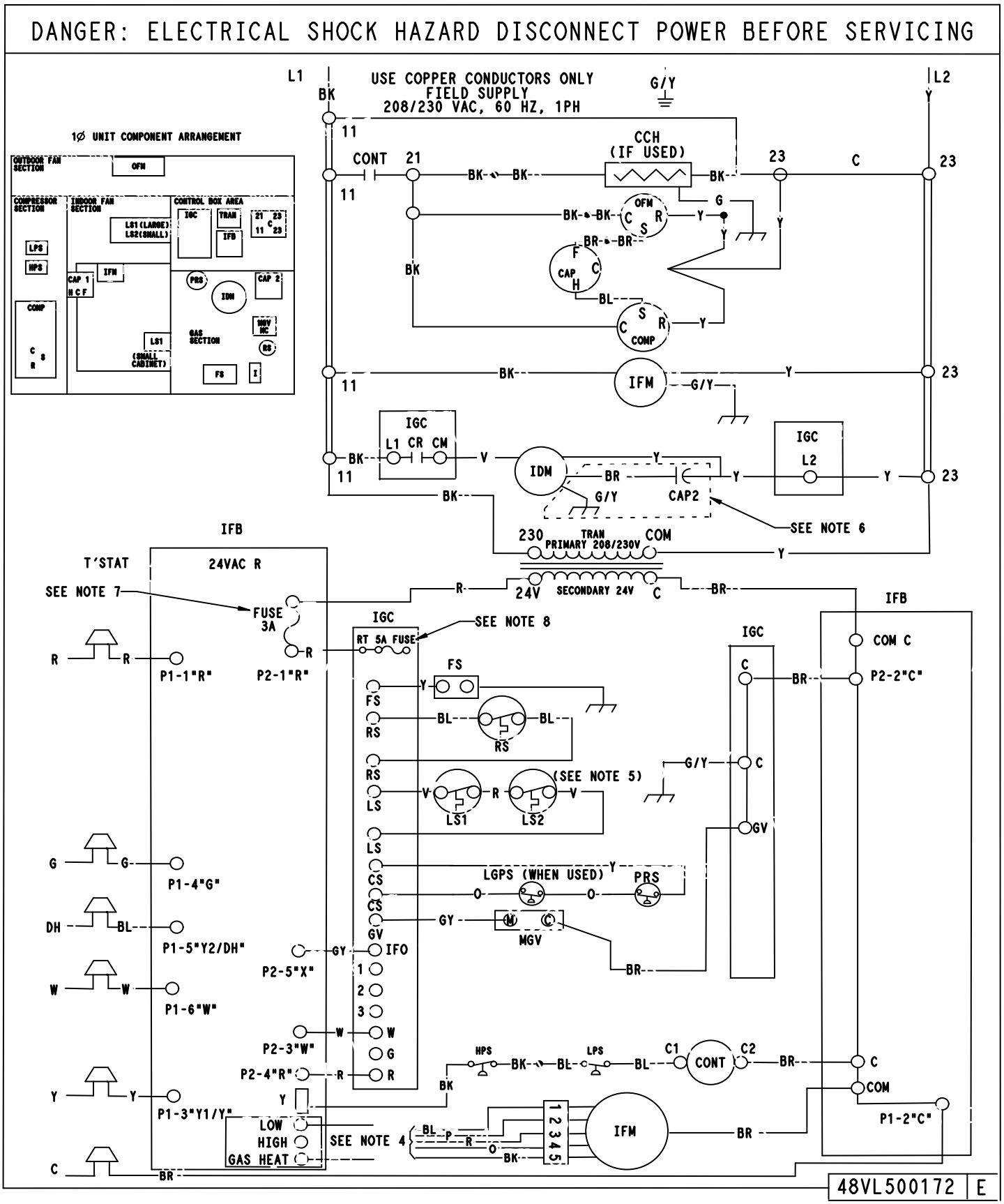
REQUIRED CLEARANCE FOR OPERATION AND SERVICING INCHES [MM]

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


DANGER: ELECTRICAL SHOCK HAZARD DISCONNECT POWER BEFORE SERVICING
NOTES:
1. IF ANY OF THE ORIGINAL WIRES FURNISHED ARE REPLACED, THEY MUST BE REPLACED WITH TYPE 90 DEG. C WIRE OR ITS EQUIVALENT.
2. USE 75 DEG. COPPER CONDUCTORS FOR FIELD INSTALLATION.
3. SEE INSTALLATION INSTRUCTIONS FOR PROPER HEATING AND COOLING CONNECTIONS FOR YOUR UNIT. INDOOR FAN MOTOR PLUGS - "DO NOT DISCONNECT UNDER LOAD"
4. ON SMALL BASE MODELS LS1 AND LS2 ARE WIRED IN SERIES. LARGE BASE MODELS HAVE LS1 ONLY.
5. INDUCER CAPACITOR AND WIRING ON CERTAIN MODELS ONLY. IF CAP2 IS PRESENT, YELLOW WIRES FROM IGC AND IDM CONNECT ON SAME SIDE OF CAP2.
6. THIS FUSE IS MANUFACTURED BY LITTELFUSE, P/N 257003.
7. THIS FUSE IS MANUFACTURED BY LITTELFUSE, P/N 257005.
SCHEMATIC 208/230-1-60
COOLING FAN LOGIC
HEATING FAN LOGIC
ENERGIZED
DE-ENERGIZED
LEGEND
FIELD SPLICE
TERMINAL (MARKED)
TERMINAL (UNMARKED)
SPLICE (IF USED)
SPLICE (MARKED)
FACTORY WIRING
FIELD CONTROL WIRING
FIELD POWER WIRING
ACCESSORY OR OPTIONAL WIRING
TO INDICATE COMMON POTENTIAL ONLY: NOT TO REPRESENT WIRING
BLR BLOWER RELAY
C CONTACTOR
CAP 1 CAPACITOR, COMP
CAP 2 CAPACITOR, INDUCER
COMP COMPRESSOR MOTOR
CR COMBUSTION RELAY
EQUIP EQUIPMENT
FS FLAME SENSOR
FU FUSE
GND GROUND
GVR GAS VALVE RELAY
HV TRAN HIGH VOLTAGE TRANSFORMER
I IGNITOR
IFB INDOOR FAN BOARD
IGC INTERGRATED GAS UNIT CONTROLLER
IDM INDUCED DRAFT MOTOR
IFM INDOOR FAN MOTOR
LGPS LOW GAS PRESSURE SWITCH (WHEN USED)
LS1 PRIMARY LIMIT SWITCH
LS2 SECONDARY LIMIT SWITCH
MGV MAIN GAS VALVE
OFM OUTDOOR FAN MOTOR
PRS PRESSURE SWITCH
QT QUADRUPLE TERMINAL
RS ROLLOUT SWITCH
TRAN TRANSFORMER
T'STAT THERMOSTAT
COLOR CODE
BK BLACK
BL BLUE
BR BROWN
GY GRAY
G GREEN
O ORANGE
P PINK
R RED
V VIOLET
W WHITE
Y YELLOW
FIELD SUPPLY L1 L2
EQUIP_GND
CCH
IF USED
OFM
CAP1
COMP
COMPRESSOR PLUG
PRIMARY 208/230V
SECONDARY 24V
TRAN
IDM
CAP 2
IGC
J2
5A FUSE
LGPS (WHEN USED)
PRS
MGV
FS
GROUNDED THRU STANDOFF
T'STAT
IFB
P1
P2
HPS
LPS
C1
C2
TO IFM
SEE NOTE 4
SEE NOTE 5
SEE NOTE 6
SEE NOTE 7
SEE NOTE 8
GND
IFM


DANGER: ELECTRICAL SHOCK HAZARD DISCONNECT POWER BEFORE SERVICING
1Ø UNIT COMPONENT ARRANGEMENT
OUTDOOR FAN SECTION
OFM
COMPRESSOR SECTION
INDOOR FAN SECTION
CONTROL BOX AREA
LS1 (LARGE)
LS2 (SMALL)
IGC
TRAN
IFB
LPS
HPS
IFM
CAP 1
CAP 2
PRS
IDM
COMP
LS1
(SMALL CABINET)
GAS SECTION
MGV
RS
FS
L1
L2
BK
Y
G/Y
USE COPPER CONDUCTORS ONLY
FIELD SUPPLY
208/230 VAC, 60 HZ, 1PH
CONT
CCH
(IF USED)
OFM
IFM
IGC
L1 CR CM
L2
IDM
CAP2
SEE NOTE 6
230
TRAN
PRIMARY 208/230V
COM
24V
SECONDARY 24V
IFB
T'STAT
24VAC R
SEE NOTE 7
FUSE
3A
RT 5A FUSE
SEE NOTE 8
P1-1"R"
P2-1"R"
FS
RS
LS
LS1
LS2
(SEE NOTE 5)
LGPS (WHEN USED)
PRS
MGV
GV
P1-4"G"
P1-5"Y2/DH"
P2-5"X"
IFO
P1-6"W"
P2-3"W"
P2-4"R"
P1-3"Y1/Y"
LOW
HIGH
GAS HEAT
SEE NOTE 4
HPS
LPS
C1
CONT
C2
COM C
P2-2"C"
P1-2"C"
48VL500172
E

CONTROLS
OPERATING SEQUENCE

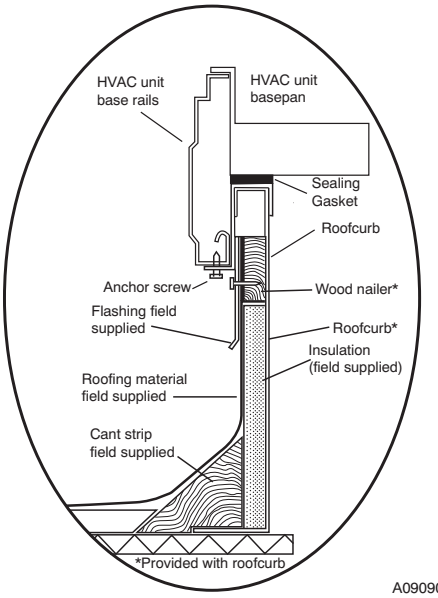
Heating – On a call for heating, terminal “W” of the thermostat is energized, starting the induced–draft motor. When the pressure switch senses that the induced–draft motor is moving sufficient combustion air, the burner sequence begins. This function is performed by the integrated gas unit controller (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. Please note that the IGC has the capability to automatically reduce the indoor fan motor on delay and increase the indoor fan motor off delay in the event of high duct static and/or partially–clogged filter.

Cooling – When the system thermostat calls for cooling, 24 V is supplied to the “Y1/Y” and “G” terminals of the thermostat. This completes the circuit to the contactor coil (C) and indoor (evaporator) fan relay (IFR). The normally open contacts of energized C close and complete the circuit through compressor motor (COMP) to outdoor (condenser) fan motor (OFM). Both motors start instantly. The set of normally open contacts of energized IFR close and complete the circuit through IFM. The IFM starts instantly.

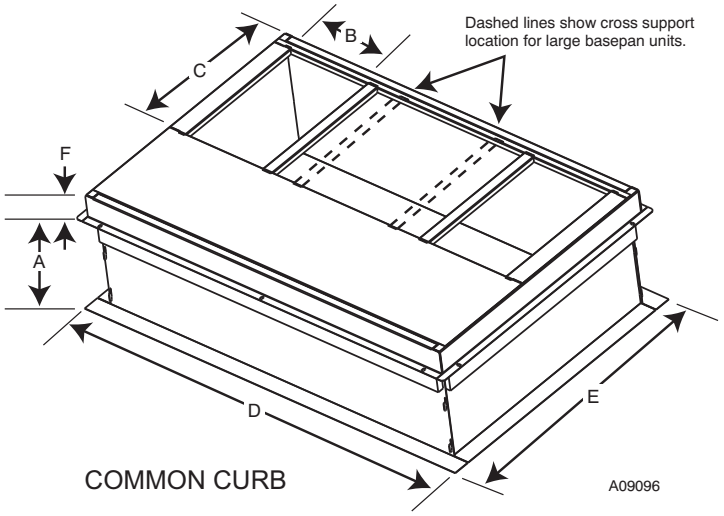
On the loss of the thermostat call for cooling, 24 V is removed from both the “Y1/Y” and “G” terminals (provided the fan switch is in the “AUTO” position) de–energizing the compressor contactor and opening the contacts supplying power to compressor/OFM. After a 90–second delay, the IFM shuts off. If the thermostat fan selector switch is in the “ON” position, the IFM will run continuously.

NOTE: On units with a anti–cycle timer: Once the compressor has started and then stopped, it cannot be restarted again until 5 minutes have elapsed.

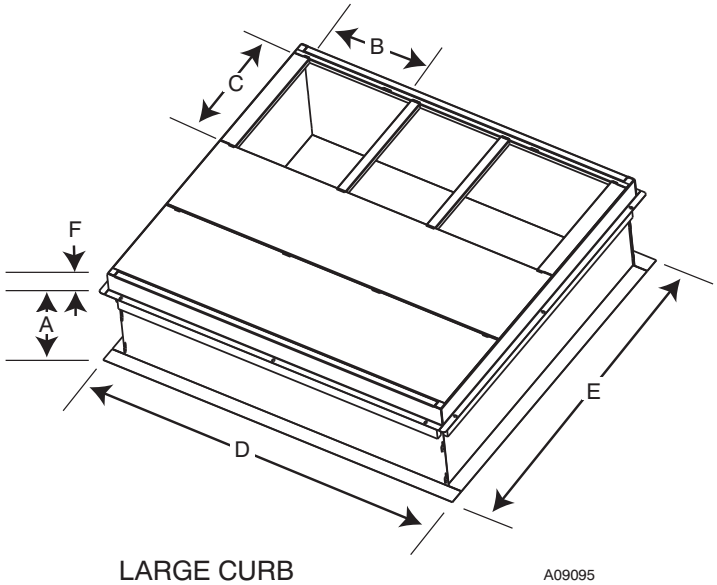
ROOF CURBS



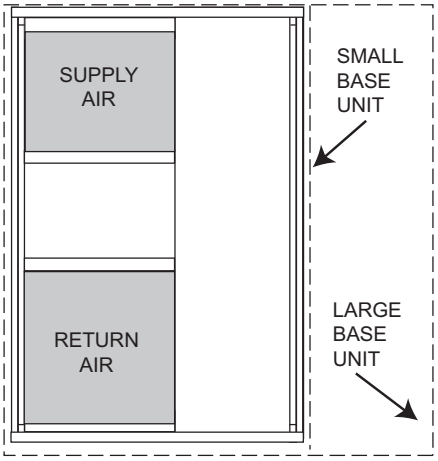
ROOF CURB DETAIL



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.

PGD4, PGS4 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	42 – 60
CPRFCURB013A00	Roof Curb, 14" High	42 – 60
Note: CPRFCURB010A00 AND CPRFCURB011A00 can be used with 42–60 size units with some overhang.		
ADAPTER CURBS*		
CPADCURB001A00	Adapter curb for use with NPRFCURB006A00 & NPRFCURB007A00	24 – 36
CPADCURB002A00	Adapter curb for use with NPRFCURB008A00 & NPRFCURB009A00	42 – 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 – 42
AXB020CFA*	Flush Mount Diffuser – Fits 2' x 4' Ceiling Grid (16" round collars for flex conn.)	24 – 42
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		
ECONOMIZERS		
CPECOMZR007A00	Dedicated Vertical Economizer – Internal with solid state controller, gear driven, fully modulating damper, spring return actuator, up to 50% barometric relief, supply and dry bulb outdoor air sensors. Includes filter rack with 1" filters*.	24 – 36
CPECOMZR008A00		42,48
CPECOMZR009A00		60
CPECOMZR010A00	Dedicated Horizontal Economizer – Internal with solid state controller, fully modulating damper, spring return actuator, supply and dry bulb outdoor air sensor, and low ambient compressor lockout switch included. Includes filter rack with 1–inch filters*.	24 – 36
CPECOMZR011A00		42,48
CPECOMZR012A00		60
AXB078ENT	Outdoor Enthalpy Control	ALL
* Outdoor enthalpy available as field installed accessory; Filter rack and 1" filter, same as CPFILTRK kit		
DAMPERS		
CPMANDPR007A00	Manual Outside Air Damper – (Includes filter rack and 1" filter, same as CPFILTRK kit)	24 – 36
CPMANDPR008A00		42,48
CPMANDPR009A00		60
INTERNAL FILTER RACKS		
CPFILTRK007A00	Internal Filter Rack (includes 1–inch filters)	24 – 36
CPFILTRK008A00		42,48
CPFILTRK009A00		60
CRANKCASE HEATER – BELLY BAND TYPE		
NPCRKHTR008A00	240V Crankcase Heater	24 – 36
NPCRKHTR004A00	240V Crankcase Heater	42 – 60
LOW AMBIENT, ANTI–CYCLE TIMER, 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
HAIL GUARDS / COIL PROTECTION (Factory installed on PGS models)		
Model Number	**Description**	**Use With Model Size**
NAPA00501GR	3/8" spacing dense wire grilles	24
NAPA00701GR	3/8" spacing dense wire grilles	30
NAPA00901GR	3/8" spacing dense wire grilles	36
NAPA00601GR	3/8" spacing dense wire grilles	42
NAPA01001GR	3/8" spacing dense wire grilles	48
NAPA01201GR	3/8" spacing dense wire grilles	60

PGD4, PGS4 ACCESSORIES (Continued)		
Accessory Model Number	**Description**	**Use With**
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