MAYTAG

TECHNICAL SPECIFICATIONS

Model PPG3HE Series with R-410A Refrigerant

M1200 Product Line

Single Packaged Gas/Electric Units
14 SEER — 2 - 5 Ton Units

95% AFUE Condensing Heat Exchanger offering 2-Stage Heating and 14 SEER Single-Stage Cooling with ECM Blower

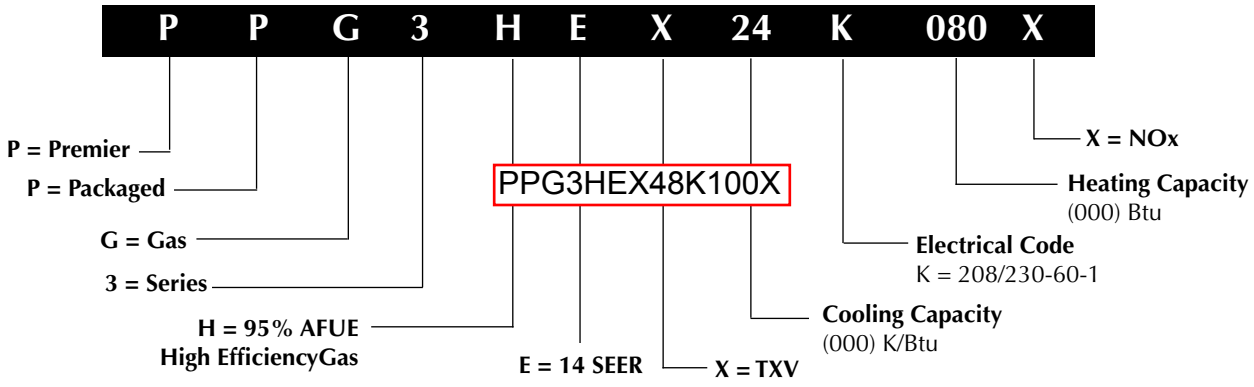
- **M1200 - 12 YEAR ALL PARTS LIMITED WARRANTY**
- **M1200 WITH UPGRADED WARRANTY PACKAGE - 12 YEAR ALL PARTS & LABOR LIMITED WARRANTY**
- **Both the standard and upgraded limited warranty packages offer a 12 Year Dependability Promise to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first 12 years of operation, to the original owner.**
- **Product registration (by consumer or dealer) required for 12-year Warranty and Dependability Promise within a limited period of time after the installation. See current warranty document for details. This can be viewed at www.maytaghvac.com or ask your sales representative.**
- **Dealer is responsible for registration of labor portion of warranty.**
- **Also when registered, this product is upgraded to a limited lifetime heat exchanger warranty.**

These single packaged gas/electrics are high efficiency self-contained cooling units that can be installed at ground level on a slab. The unit design makes installations simple in all applications. Units are ETL and ETLc listed.

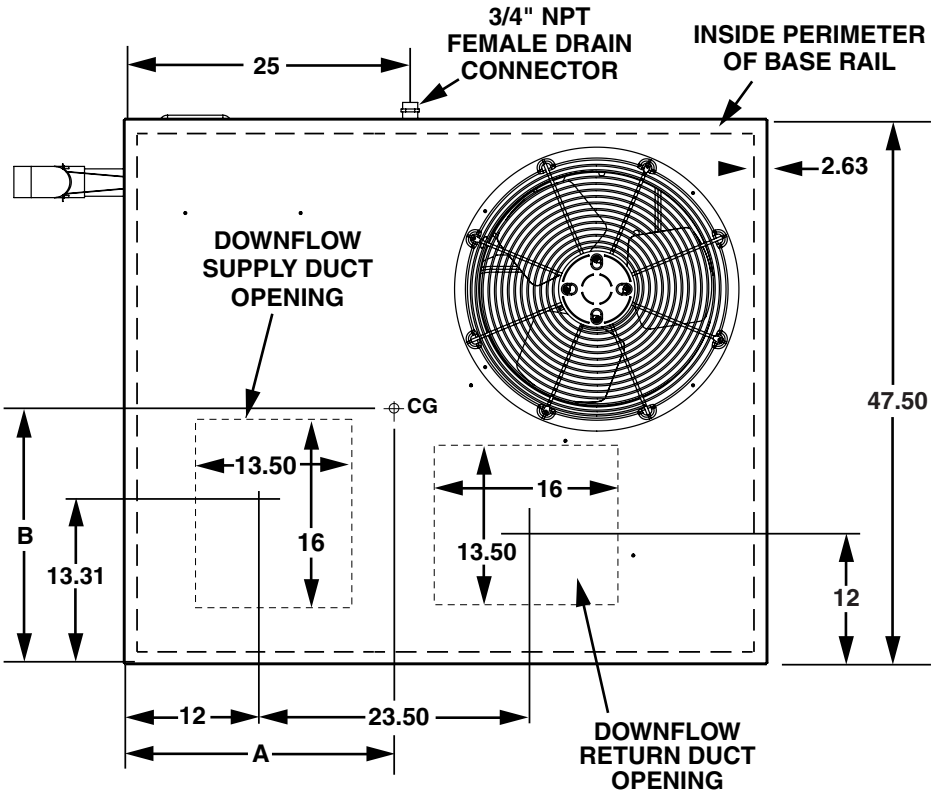
Features and Benefits

- **Copeland Scroll Compressor:** State of the art compressor is standard equipment.
- **Micro-Channel Coils:** Both indoor and outdoor all aluminum coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Wire guard coated with earth friendly epoxy and plastic mesh hail guard:** A guard that will never rust and protects the units coil from being damaged.
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit. Easy access to the evaporator coil for cleaning and general maintenance.
- **R-410A Refrigerant:** Earth friendly non-ozone depleting refrigerant.
- **Compressor Sound Blanket:** Is standard equipment.
- Permanently Lubricated Condenser Motor: A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Thermostatic Expansion Valves:** Factory installed externally equalized thermostatic expansion valves provides precise refrigerant control under varying load conditions.
- **Hi/Low Pressure Switches:** Ensure long compressor life.
- **Externally Accessible, Service Ports:** Quick access to refrigeration system
- **Liquid Line Filter Driers:** Factory installed at a convenient location for service.
- **Quiet Operation and Low Vibration:** Swept-wing fan blade combined with custom Venturi condenser fan.
- **2-Stage Heat Operation:** Featuring a 2 stage gas valve, 2 speed inducer motor, and 2 speed blower control.
- **Choice of Heating Control:** Two stage thermostat or single stage heating thermostat with on the control board timing of a 10 minute delay for second stage of heat.
- **Tubular primary heat exchanger:** Heavy gauge aluminized steel heat exchanger.
- **Stainless Steel secondary heat exchanger:** Assures a long life.
- **100% fired and tested:** All units and each component are tested on the manufacturing line.
- **30 second blower delay:** At start-up assures a warm duct temperature at start-up. Adjustable blower off settings (60, 90, 120, and 180 seconds)
- **30 second post purge:** Increases life of heat exchanger.
- **Hot Surface igniter:** Innovative application of an appliance type igniter with a 20 year history of reliability.
- **SmartStart™ Control Board:** Provides extended life to igniters using hot surface ignition technology. Programmed to learn the heat-up characteristics of the igniter, then adapt the ignition time to the characteristics of the furnace so the igniter is energized appropriately.
- **LP Convertible:** Simple burner orifice and regulator spring change for ease of convertibility.
- **Designed using Galvanized Steel:** With a polyester urethane coat finish. The 950 hour salt spray finish is 1.5 mil thick and resists corrosion 50% better than comparable units.
- **Corrosion-Resistant Drain Pan:** Quickly drains away evaporator condensate.
- **Embossed Bottom Pan:** Keeps blower component compartment dry.
- **Smaller Panels, Great Fit and Finish, Total Seal:** Well-designed, quality construction.
- **One Piece Top Pan:** With drip edge on top panels whisks away rainwater.
- **Low Voltage Transformer:** Includes 5 Amp fuse to protect low voltage circuit.
- **Energy Efficient Brushless DC Blower Motor:** ECM constant torque in all models.
- **Horizontal Air Delivery:** To accommodate ground mount horizontal applications.
- **Heavy-Gauge, Full Perimeter Base Rails:** Facilitates forklift handling and curb mounting.
- **Removable Top Grille Assembly:** Allows ease of service to the fan motor.
- **Duct Flanges:** Reduce installation costs.
- **Proven, Industry Standard Components:** Easier service and availability.

IDENTIFICATION CODE



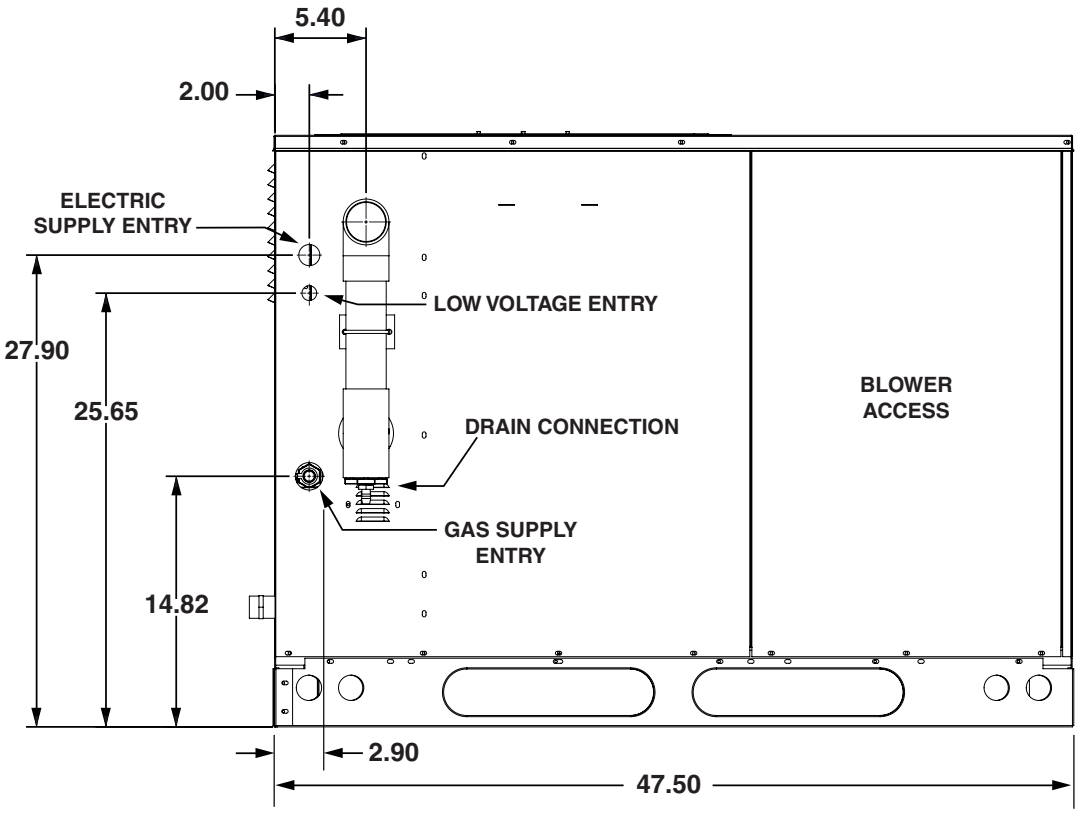
DIMENSIONS



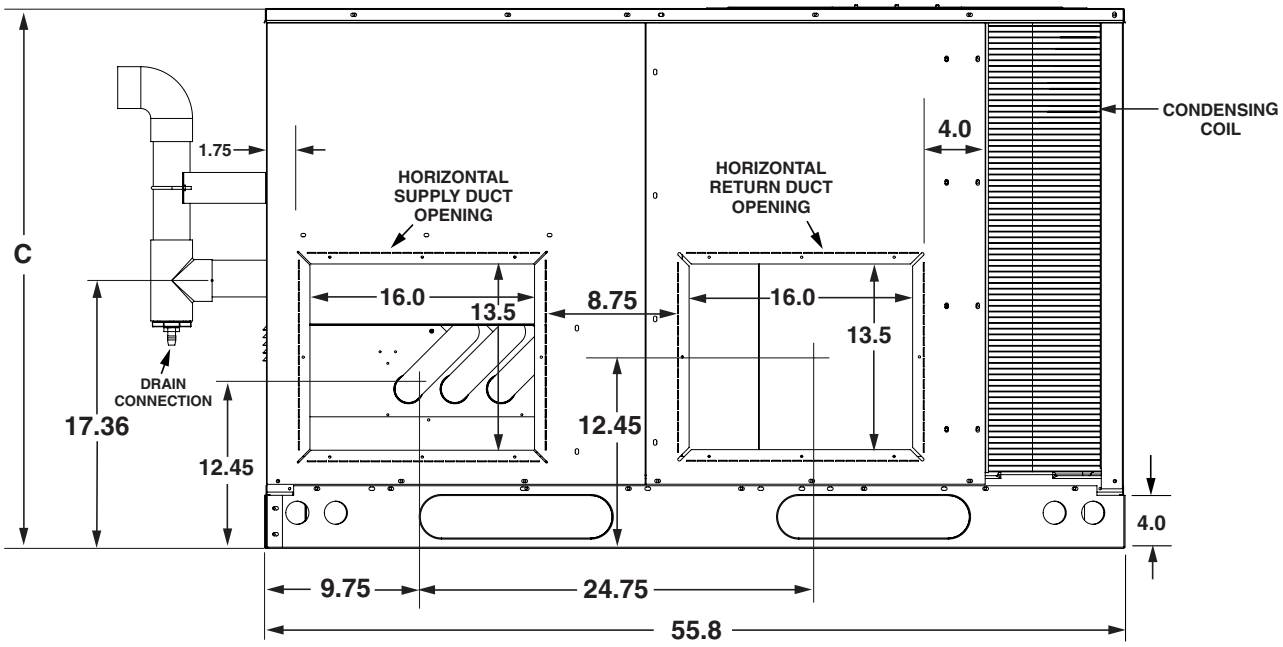
Top View

Model Number PPG3HE	Unit Weight	Shipping Weight	Center of Gravity		Unit Dimensions (inches)			
			A	B	Height with base rail	Height without base rail	Length	Width
PPG3HEX24K060X	380	410	26.5	26.5	35	31.3	55.8	47.5
PPG3HEX30K060X	384	414	26.5	26.5	35	31.3	55.8	47.5
PPG3HEX36K080X	387	417	26.5	26.5	35	31.3	55.8	47.5
PPG3HEX42K080X	407	438	27.0	26.5	39	35.3	55.8	47.5
PPG3HEX48K100X	449	480	27.5	26.5	43	39.3	55.8	47.5
PPG3HEX60K100X	485	518	28.0	26.5	47	43.3	55.8	47.5

DIMENSIONS (CONTINUED)



Side View



Back View

SPECIFICATIONS AND ELECTRICAL DATA
SINGLE PHASE

Model PPG3HE	X24K060X	X30K060X	X36K080X	X42K080X	X48K100X	X60K100X
Performance Data						
Cooling Capacity (Net) - (Btuh)(1)	24,000	29,000	36,000	42,000	47,000	56,000
Efficiency - Cooling - S.E.E.R. (1)	14.00	14.00	14.00	14.00	14.00	14.00
Efficiency - Cooling - E.E.R.(2)	12.00	11.50	11.50	11.00	11.00	11.00
High Heating Input (Btuh)	60,000	60,000	80,000	80,000	100,000	100,000
High Heating Output (Btuh)	57,000	57,000	76,000	76,000	95,000	95,000
Low Heating Input (Btuh)	39,000	39,000	52,000	52,000	65,000	65,000
Low Heating Output (Btuh)	37,050	37,050	49,400	49,400	61,750	61,750
Heating - A.F.U.E	95.0%	95.0%	95.0%	95.0%	95.0%	95.0%
Electrical Rating - 60 Hz.						
Phase	1	1	1	1	1	1
Operating Voltage	187-253	187-253	187-253	187-253	187-253	187-253
Minimum Circuit Ampacity - (MCA)	22.4	26.5	30.1	34.5	38.8	45.2
Max. Overcurrent Protection - (MOP)	35	40	45	55	60	70
Compressor Data						
Compressor (Scroll)	ZP21K5E	ZP25K5E	ZP31K5E	ZP39K5E	ZP42K5E	ZP51K5E
Volts	208/230	208/230	208/230	208/230	208/230	208/230
Rated Load Amps	12.8	15.7	18.6	22.1	24.3	29.4
Lock Rotor Amps	58	73	79	109	117	134
Indoor Blower Data						
Wheel - Diameter x Width	11″ x 8″	11″ x 8″	11″ x 8″	11″ x 10″	11″ x 10″	11″ x 10″
Motor - HP / Type	3/4 - ECM	3/4 - ECM	3/4 - ECM	3/4 - ECM	1 - ECM	1 - ECM
Motor Control	Constant Torque					
Motor Amps @ 208V - 230 V	5.4 - 5.0	5.4 - 5.0	5.4 - 5.0	5.4 - 5.0	7.00 - 6.50	7.00 - 6.50
Outdoor Fan						
Motor - HP / Type	1/5 - PSC	1/4 - PSC	1/4 - PSC	1/4 - PSC	1/4 - PSC	1/4 - PSC
Motor - RPM	825	1,100	1,100	1,100	1,100	1,100
Motor Amps	1.0	1.5	1.5	1.5	1.5	1.5
Fan Diameter	20″	20″	20″	20″	24″	24″
Refrigerant Charge (R410A) - oz.	59	59	58	64	69	83
High Pressure Switch (PSIG)	Cut Out: 650 +/- 15 Cut In: 460 +/- 15					
Loss of Charge Switch (PSIG)	Cut Out: 5 +/- 5 Cut In: 20 +/- 5					
Gas Supply Size	1/2″					
Sound Rating	71	76	78	78	77	78

Footnotes:
1. Cetified in accordance with A.H.R.I. Standard 210/240 at 95˚F Outdoor DB and 80˚F DB / 67˚F WB evaporator entering air at minimum external duct static pressures allowed by the standard.
2. E.E.R. - Energy Efficiency Ratio (Btu/Watt). E.E.R. is determined @ 95˚F Outdoor DB & 80˚F DB / 67˚F WB Air Indoor
   S.E.E.R. - Seasonal Energy Efficiency Rating.
   A.F.U.E. - Annual Fuel Utilization Efficiency.

AIRFLOW DATA

Nominal Airflow Rates and Temperature Rises

Model Number	Max. Gas Supply Press. (in.WC)	Min. Gas Supply Press. (in.WC)	Manifold Press. (in.WC)	High Input (Btu/Hr)	High Output (Btu/Hr)	Low Input (Btu/Hr)	Low Output (Btu/Hr)	Gas Orifice Size	Rise Range (oF)	Max. Outlet Air Temp.	Max. External Static Press. (in WC)	Cooling Output (BTUH)	Blower Size	Motor (HP)
PPG3HEX24K060X	10.0	4.5	3.5	60,000	57,000	39,000	37,050	45	30-60	160	0.80	24,000	11″ x 8″	3/4
PPG3HEX30K060X	10.0	4.5	3.5	60,000	57,000	39,000	37,050	45	30-60	160	0.80	29,000	11″ x 8″	3/4
PPG3HEX36K080X	10.0	4.5	3.5	80,000	76,000	52,000	49,400	45	35-65	165	0.80	36,000	11″ x 8″	3/4
PPG3HEX42K080X	10.0	4.5	3.5	80,000	76,000	52,000	49,400	45	35-65	165	0.80	42,000	11″ x 10″	3/4
PPG3HEX48K100X	10.0	4.5	3.5	100,000	95,000	65,000	61,750	45	35-65	165	0.80	47,000	11″ x 10″	1
PPG3HEX60K100X	10.0	4.5	3.5	100,000	95,000	65,000	61,750	45	35-65	165	0.80	56,000	11″ x 10″	1

Cooling Airflow Settings

Dipswitch Setting				Recommended Airflow (CFM)		Dipswitch Setting				Recommended Airflow (CFM)		Dipswitch Setting				Recommended Airflow (CFM)		Dipswitch Setting				Recommended Airflow (CFM)		Dipswitch Setting				Recommended Airflow (CFM)		Dipswitch Setting				Recommended Airflow (CFM)	
5	6	7	8			5	6	7	8			5	6	7	8			5	6	7	8			5	6	7	8			5	6	7	8		
0	0	0	0	2 TON	800	0	0	0	0		800	0	0	0	0		800	0	0	0	0		820	0	0	0	0		1240	0	0	0	0		1240
1	**0**	**0**	**0**		**875**	1	0	0	0	2.5 TON	875	1	0	0	0		875	1	0	0	0		900	1	0	0	0	4 TON	1300	1	0	0	0		1300
0	1	0	0		925	0	1	0	0		925	0	1	0	0		925	0	1	0	0		990	0	1	0	0		1370	0	1	0	0		1370
1	1	0	0		1000	1	1	0	0		1000	1	1	0	0	3 TON	1000	1	1	0	0		1075	1	1	0	0		1420	1	1	0	0	5 TON	1420
0	0	1	0		1075	0	0	1	0		1075	0	0	1	0		1085	0	0	1	0		1160	0	0	1	0		1470	0	0	1	0		1470
1	0	1	0		1125	**1**	**0**	**1**	**0**		**1125**	1	0	1	0		1140	1	0	1	0	3.5 TON	1210	1	0	1	0		1530	1	0	1	0		1530
0	1	1	0		1175	0	1	1	0		1175	**0**	**1**	**1**	**0**		**1200**	0	1	1	0		1260	0	1	1	0		1590	0	1	1	0		1590
1	1	1	0		1225	1	1	1	0		1225	1	1	1	0		1260	1	1	1	0		1340	**1**	**1**	**1**	**0**		**1640**	1	1	1	0		1640
0	0	0	1		1300	0	0	0	1		1300	0	0	0	1		1320	0	0	0	1		1420	0	0	0	1		1690	0	0	0	1		1690
1	0	0	1		1350	1	0	0	1		1350	1	0	0	1		1375	**1**	**0**	**0**	**1**		**1475**	1	0	0	1		1750	**1**	**0**	**0**	**1**		**1750**
0	1	0	1		1400	0	1	0	1		1400	0	1	0	1		1425	0	1	0	1		1525	0	1	0	1		1780	0	1	0	1		1780
1	1	0	1		1450	1	1	0	1		1450	1	1	0	1		1460	1	1	0	1		1570	1	1	0	1		1810	1	1	0	1		1810
0	0	1	1		1500	0	0	1	1		1500	0	0	1	1		1500	0	0	1	1		1605	0	0	1	1		1840	0	0	1	1		1840
1	0	1	1		1525	1	0	1	1		1525	1	0	1	1		1530	1	0	1	1		1650	1	0	1	1		1870	1	0	1	1		1870
0	1	1	1		1560	0	1	1	1		1560	0	1	1	1		1560	0	1	1	1		1700	0	1	1	1		1900	0	1	1	1		1900
1	1	1	1		1600	1	1	1	1		1600	1	1	1	1		1600	1	1	1	1		1725	1	1	1	1		1930	1	1	1	1		1930

Notes:
1. Factory settings and recommended operating range are highlighted in bold.

Heating Airflow Settings

Heating Dipswitch Selector Setting				2 & 2.5 Ton CFM				Heating Dipswitch Selector Setting				3 Ton CFM				Heating Dipswitch Selector Setting				3.5 Ton CFM				Heating Dipswitch Selector Setting				4 & 5 Ton CFM			
				Low Heat		High Heat						Low Heat		High Heat						Low Heat		High Heat						Low Heat		High Heat	
				39,000		60,000						52,000		80,000						52,000		80,000						65,000		100,000	
1	2	3	4	CFM	Rise	CFM	Rise	1	2	3	4	CFM	Rise	CFM	Rise	1	2	3	4	CFM	Rise	CFM	Rise	1	2	3	4	CFM	Rise	CFM	Rise
0	0	0	0	600	57	800	66	0	0	0	0	600	76	800	88	0	0	0	0	612	75	817	86	**0**	**0**	**0**	**0**	**930**	**61**	**1240**	**71**
1	0	0	0	656	52	875	60	1	0	0	0	656	70	875	80	1	0	0	0	675	68	900	78	**1**	**0**	**0**	**0**	**975**	**59**	**1300**	**68**
0	1	0	0	694	49	925	57	0	1	0	0	694	66	925	76	0	1	0	0	750	61	1000	70	0	1	0	0	1028	56	1370	64
1	1	0	0	750	46	1000	53	1	1	0	0	750	61	1000	70	1	1	0	0	806	57	1075	65	1	1	0	0	1065	54	1420	62
0	0	1	0	806	43	1075	49	0	0	1	0	814	56	1085	65	0	0	1	0	863	53	1150	61	0	0	1	0	1103	52	1470	60
1	0	1	0	844	41	1125	47	1	0	1	0	855	53	1140	62	1	0	1	0	900	51	1200	59	1	0	1	0	1148	50	1530	57
0	1	1	0	881	39	1175	45	0	1	1	0	900	51	1200	59	0	1	1	0	938	49	1250	56	0	1	1	0	1193	48	1590	55
1	**1**	**1**	**0**	**919**	**37**	**1225**	**43**	1	1	1	0	945	48	1260	56	1	1	1	0	994	46	1325	53	1	1	1	0	1230	46	1640	54
0	0	0	1	975	35	1300	40	0	0	0	1	990	46	1320	52	0	0	0	1	1050	44	1400	49	0	0	0	1	1268	45	1690	51
1	0	0	1	1013	34	1350	39	1	0	0	1	1031	44	1375	51	1	0	0	1	1106	41	1475	48	1	0	0	1	1313	44	1750	50
0	1	0	1	1050	33	1400	38	0	1	0	1	1069	43	1425	49	**0**	**1**	**0**	**1**	**1144**	**40**	**1525**	**46**	0	1	0	1	1335	43	1780	49
1	1	0	1	1088	32	1450	36	1	1	0	1	1095	42	1460	48	1	1	0	1	1181	39	1575	45	1	1	0	1	1358	42	1810	49
0	0	1	1	1125	30	1500	35	0	0	1	1	1125	41	1500	47	0	0	1	1	1208	38	1610	44	0	0	1	1	1380	41	1840	48
1	0	1	1	1144	30	1525	35	**1**	**0**	**1**	**1**	**1148**	**40**	**1530**	**46**	1	0	1	1	1238	37	1650	43	1	0	1	1	1403	41	1870	47
0	1	1	1	1170	29	1560	34	0	1	1	1	1170	39	1560	45	0	1	1	1	1275	36	1700	41	0	1	1	1	1425	40	1900	46
1	1	1	1	1200	29	1600	33	1	1	1	1	1200	38	1600	44	1	1	1	1	1294	35	1725	41	**1**	**1**	**1**	**1**	**1448**	**39**	1930	**46**

Notes:
1. Factory settings are bold. Use of any other dipswitch setting may result in nuisance trips and should be verified for the application.
2. Temperature rises in tables are approximate. Actual temperature rises may vary.
3. Shaded areas are not approved for proper operation of equipment.

EXPANDED RATINGS Continued

PPG3HEX42K

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1200	80	62	48.5	48.5	2.59	45.6	45.6	2.85	42.6	42.6	3.17	39.6	39.6	3.57	36.6	36.6	4.04	33.6	33.5	4.58
	80	67	51.2	51.2	2.67	48.1	48.1	2.92	44.9	44.9	3.24	41.7	41.7	3.64	38.4	38.4	4.10	35.2	35.2	4.64
	80	72	56.3	22.7	2.65	52.9	24.7	2.90	49.5	26.1	3.22	46.1	27.0	3.61	42.6	27.2	4.07	39.1	27.0	4.61
	75	62	47.1	37.1	2.60	44.2	35.2	2.85	41.2	32.8	3.18	38.2	29.8	3.57	35.2	26.2	4.04	32.2	22.1	4.58
1350	80	62	49.2	30.3	2.69	46.3	28.4	2.94	43.3	26.0	3.27	40.4	23.0	3.67	37.3	19.4	4.14	34.3	15.3	4.68
	80	67	52.0	33.2	2.77	48.8	33.2	3.02	45.6	32.7	3.34	**42.4**	**31.6**	**3.74**	39.2	30.0	4.20	35.9	27.8	4.74
	80	72	57.1	4.5	2.75	53.7	6.5	3.00	50.3	7.9	3.32	46.8	8.8	3.71	43.3	9.0	4.17	39.8	8.8	4.71
	75	62	47.8	18.9	2.69	44.9	17.0	2.95	41.9	14.6	3.28	38.9	11.6	3.67	35.9	8.0	4.14	32.9	3.8	4.68
1500	80	62	50.2	50.2	2.83	47.3	47.3	3.08	44.4	44.4	3.41	41.4	41.4	3.80	38.4	38.4	4.27	35.3	35.3	4.81
	80	67	53.0	53.0	2.90	49.8	49.8	3.15	46.6	46.6	3.48	43.4	43.4	3.87	40.2	40.2	4.34	36.9	36.9	4.87
	80	72	58.1	26.7	2.88	54.7	28.7	3.13	51.3	30.1	3.45	47.8	31.0	3.84	44.3	31.3	4.31	40.9	31.0	4.84
	75	62	48.8	41.1	2.83	45.9	39.2	3.08	42.9	36.8	3.41	40.0	33.8	3.81	36.9	30.2	4.28	33.9	26.1	4.82

PPG3HEX48K

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1400	80	62	51.1	43.4	2.84	48.7	41.6	3.14	45.9	39.7	3.50	42.7	37.7	3.91	39.2	35.6	4.39	35.4	33.4	4.92
	80	67	57.4	37.5	2.92	54.7	35.7	3.22	51.6	33.9	3.58	48.2	32.0	4.00	44.4	29.9	4.47	40.3	27.7	5.01
	80	72	61.6	29.7	2.89	58.6	28.0	3.19	55.2	26.3	3.56	51.5	24.4	3.98	47.5	22.4	4.46	43.1	20.3	4.99
	75	62	50.0	36.8	2.80	47.5	35.0	3.10	44.7	33.2	3.46	41.6	31.2	3.88	38.1	29.0	4.35	34.3	26.8	4.89
1550	80	62	50.1	44.2	2.94	47.6	42.4	3.24	44.8	40.5	3.59	41.7	38.5	4.01	38.2	36.4	4.49	34.3	34.2	5.02
	80	67	56.3	38.3	3.01	53.6	36.6	3.32	50.5	34.7	3.68	**47.1**	**32.8**	**4.10**	43.4	30.7	4.57	39.3	28.6	5.11
	80	72	60.5	30.5	2.99	57.5	28.8	3.29	54.1	27.1	3.65	50.5	25.2	4.08	46.4	23.2	4.55	42.1	21.1	5.09
	75	62	48.9	37.6	2.90	46.5	35.8	3.20	43.7	34.0	3.56	40.5	32.0	3.98	37.0	29.8	4.45	33.2	27.6	4.98
1700	80	62	52.6	45.7	3.10	50.2	44.0	3.40	47.4	42.1	3.76	44.2	40.1	4.18	40.8	37.9	4.65	36.9	35.7	5.18
	80	67	58.9	39.8	3.18	56.2	38.1	3.48	53.1	36.3	3.84	49.7	34.3	4.26	46.0	32.3	4.74	41.9	30.1	5.27
	80	72	63.1	32.0	3.15	60.1	30.4	3.46	56.7	28.6	3.82	53.0	26.7	4.24	49.0	24.7	4.72	44.7	22.6	5.25
	75	62	51.5	39.2	3.07	49.0	37.4	3.37	46.2	35.5	3.72	43.1	33.5	4.14	39.6	31.4	4.62	35.8	29.2	5.15

PPG3HEX60K

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1500	80	62	60.6	49.5	3.44	57.6	47.8	3.78	54.2	46.1	4.20	50.6	44.2	4.69	46.7	42.3	5.27	42.6	40.3	5.93
	80	67	67.5	42.2	3.52	64.0	40.3	3.85	60.2	38.4	4.26	56.2	36.3	4.75	51.9	34.2	5.32	47.3	32.0	5.97
	80	72	74.1	34.6	3.57	70.2	32.5	3.89	66.0	30.3	4.29	61.5	28.1	4.78	56.8	25.7	5.34	51.7	23.3	5.99
	75	62	65.9	47.1	3.07	61.6	44.4	3.48	57.0	41.6	3.98	52.2	38.7	4.55	47.0	35.8	5.21	41.6	32.8	5.95
1700	80	62	61.7	52.6	3.60	58.7	50.9	3.94	55.3	49.1	4.36	51.7	47.2	4.85	47.8	45.3	5.43	43.7	43.3	6.09
	80	67	68.6	45.3	3.68	65.1	43.4	4.01	61.3	41.4	4.42	**57.3**	**39.3**	**4.91**	53.0	37.2	5.48	48.4	35.0	6.13
	80	72	75.2	37.7	3.73	71.2	35.6	4.05	67.1	33.4	4.45	62.6	31.1	4.94	57.9	28.8	5.50	52.8	26.4	6.14
	75	62	67.0	50.2	3.23	62.7	47.4	3.64	58.1	44.6	4.14	53.3	41.8	4.71	48.1	38.8	5.37	42.7	35.8	6.11
1900	80	62	61.9	53.1	3.88	58.8	51.4	4.21	55.5	49.6	4.63	51.9	47.7	5.13	48.0	45.8	5.71	43.8	43.8	6.36
	80	67	68.7	45.8	3.95	65.2	43.9	4.28	61.5	41.9	4.69	57.4	39.8	5.18	53.1	37.7	5.75	48.5	35.5	6.40
	80	72	75.3	38.2	4.00	71.4	36.1	4.33	67.2	33.9	4.73	62.7	31.6	5.21	58.0	29.3	5.78	53.0	26.9	6.42
	75	62	67.1	50.7	3.50	62.8	48.0	3.92	58.3	45.2	4.41	53.4	42.3	4.99	48.3	39.3	5.65	42.9	36.3	6.38