

MAYTAG

TECHNICAL SPECIFICATIONS

Model PPA2SD Series



M1200 Product Line

**Single Packaged Air Conditioner
13 SEER - R-410A, 3, 4, 5 Ton Units**

- **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.maytagvac.com or ask your sales representative.**
- **Dealer is responsible for registration of labor portion of warranty.**

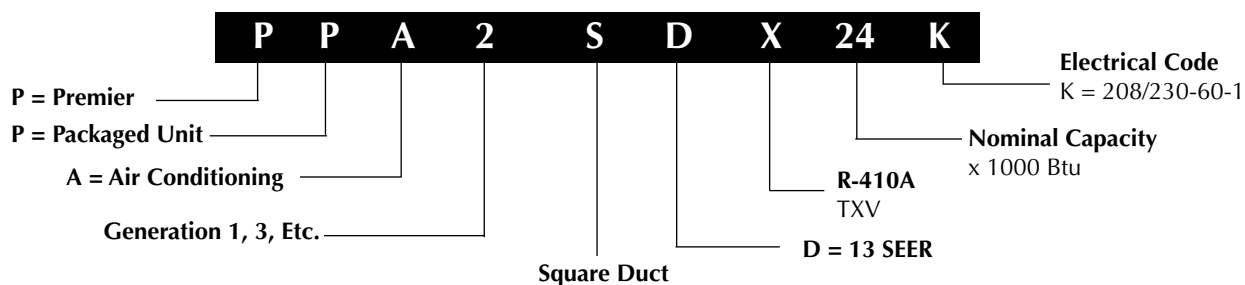


The PPA2SD Series single packaged air conditioners are high efficiency self contained cooling units that can be installed on a roof or on a slab. The convertible unit design makes installations simple in all applications. Units are ETL and ETLc listed.

Features and Benefits

- **State-of-the-art Copeland Scroll** compressor is standard equipment.
- **Compressor Sound Blanket** is standard equipment.
- **R-410A Refrigerant** Environmentally friendly.
- **Proven, Industry Standard Components** Easier service and availability.
- **TXV** Externally equalized. Provides precise refrigerant control under varying load conditions.
- **High and Low Pressure Switches** Added compressor protection.
- **Liquid Line Filter/Drier** Insures clean and dry refrigeration system.
- **Externally Accessible Service Ports** Quick access to refrigerant system without disrupting operation.
- **Compact Footprint/Low Profile** Easy to handle and transport.
- **Convertible Air Delivery** Horizontal or downflow to accommodate rooftop or horizontal application.
- **Heavy-Gauge, Full Perimeter Base Rails** Facilitates forklift handling and curb mounting.
- **Galvanized Steel Cabinet** Polyurethane finish provides 950 hours salt spray protection.
- **Wire Guard Coated with Earth Friendly Epoxy and Mesh Hail Guard** Will never rust and protects the coil from being damaged by balls, lawnmowers, hail etc.
- **Corrosion-Resistant Drain Pan** Quickly drains away evaporator condensate.
- **Quiet Operation and Low Vibration** 20" fan blade combined with custom venturi condenser fan.
- **Access to Controls and Major Components** Easy in and out service.
- **Service Access Panels** Allows easy access to all major components and the compressor. Designed to make servicing easier for the Contractor.
- **Easy to Install** Electric heat strip provides up to 20 KW of heat output.

IDENTIFICATION CODE



SPECIFICATIONS

| Model Number | PPA2SD | | |
|----------------------------------|------------|------------|--------------|
| | X36K | X48K | X60K |
| Performance | | | |
| Capacity -Cooling BTUH | 34,200 | 46,000 | 58,000 |
| Efficiency - SEER | 13.3 | 13.0 | 13.3 |
| EER (Btuh/watt) | 11.2 | 11.5 | 11.0 |
| Electrical Rating - 60 Hz | | | |
| Phase | 1 | 1 | 1 |
| Operating Voltage Range | 187 - 253 | 187 - 253 | 187 - 253 |
| Compressor Data | | | |
| Volts | 208 / 230 | 208 / 230 | 208 / 230 |
| Rated Load Amps | 18.6 | 24.3 | 29.3 |
| Lock Rotor Amps | 79 | 117 | 134 |
| Indoor Blower | | | |
| Type / No. of Speeds | DD / 3 | DD / 3 | Fixed Torque |
| Motor - HP / RPM | 1/4 - 1075 | 1/2 - 1080 | 3/4 |
| Motor - Amps | 1.3 | 3.1 | 6.0 |
| Outdoor Fan | | | |
| Motor - HP / RPM | 1/4 - 1100 | 1/4 - 1100 | 1/4 - 1100 |
| Motor - Amps | 1.2 | 1.2 | 1.2 |
| Fan Diameter / CFM | 20/3600 | 20/3800 | 20/3800 |
| Refrigerant Charge - Oz. | 110 | 168 | 192 |
| Shipping Weight | 415 | 425 | 490 |

BLOWER PERFORMANCE

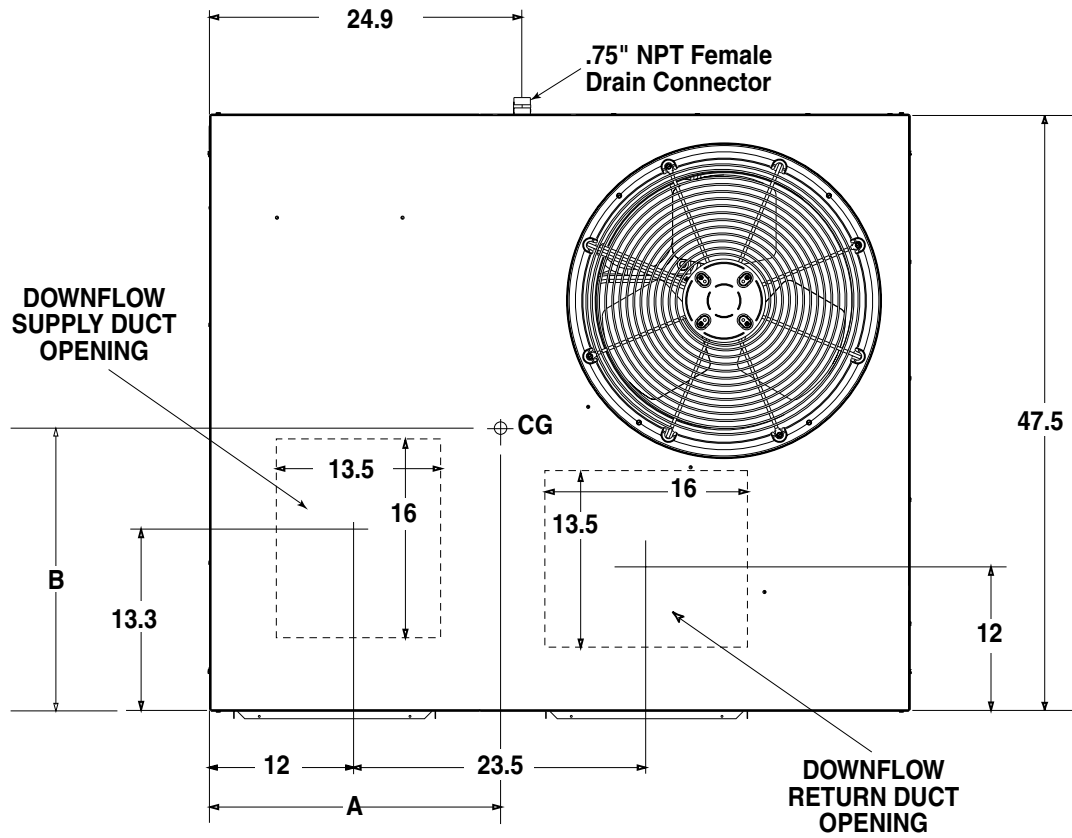
| Model Number | | External Static Pressure Drop - inches water column | | | | | | | |
|--------------|-----------|---|------|------|------|------|------|------|------|
| PPA2SD | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| X36 | High | 1610 | 1562 | 1504 | 1442 | 1365 | 1295 | 1214 | 1109 |
| | Medium | 1367 | 1320 | 1271 | 1205 | 1138 | 1065 | 968 | 845 |
| | * Low | 1153 | 1102 | 1043 | 990 | 912 | 831 | 731 | 618 |
| X48 | High | 2361 | 2278 | 2218 | 2141 | 2066 | 1976 | 1870 | 1758 |
| | Medium | 2026 | 1982 | 1935 | 1889 | 1822 | 1744 | 1660 | 1554 |
| | * Low | 1584 | 1568 | 1532 | 1489 | 1445 | 1387 | 1322 | 1236 |
| X60 | ** Tap T1 | 1515 | 1450 | 1380 | 1350 | 1280 | 1250 | 1200 | 1160 |
| | ** Tap T2 | 1580 | 1520 | 1460 | 1400 | 1300 | 1280 | 1260 | 1230 |
| | * Tap T3 | 1740 | 1690 | 1650 | 1600 | 1360 | 1500 | 1460 | 1390 |
| | * Tap T4 | 1960 | 1910 | 1840 | 1820 | 1540 | 1740 | 1700 | 1600 |
| | * Tap T5 | 2090 | 2050 | 2010 | 1975 | 1780 | 1900 | 1850 | 1790 |

* Denotes factory set cooling speed

** Denotes factory set electric heating speed

NOTE: Airflow performance is with a dry coil

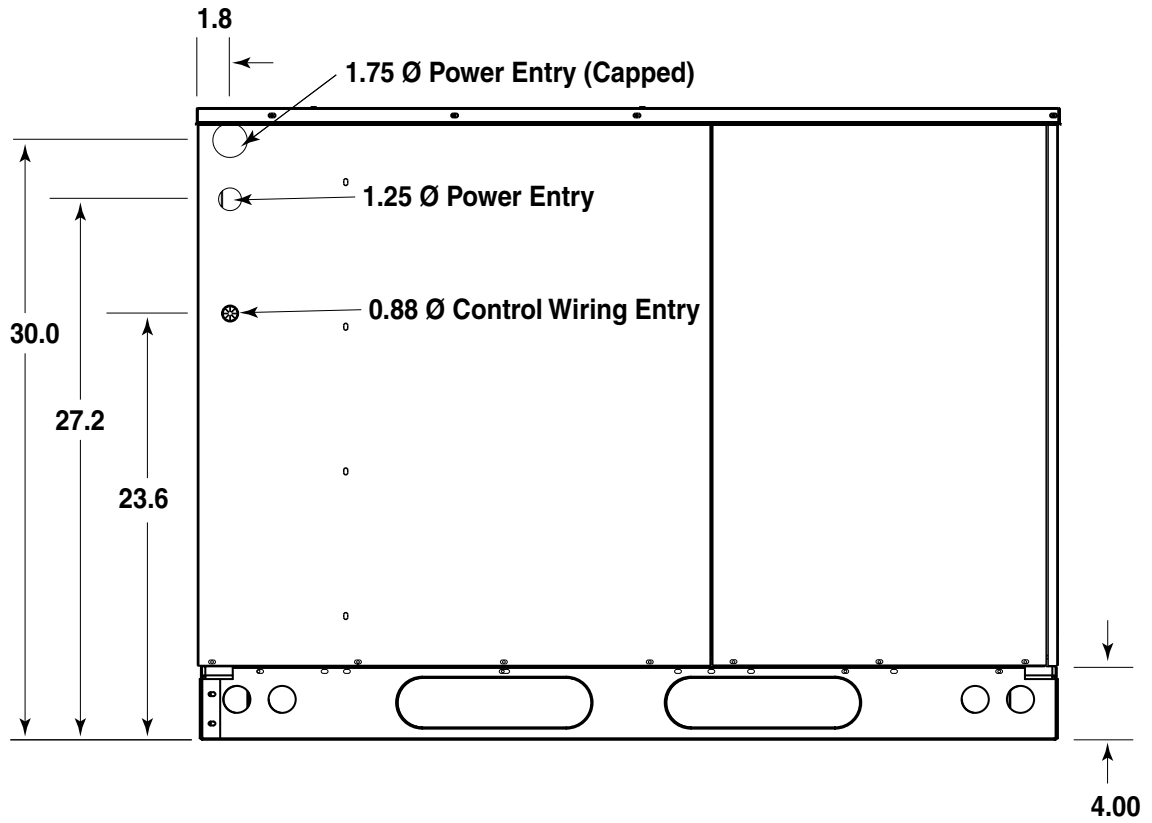
DIMENSIONS



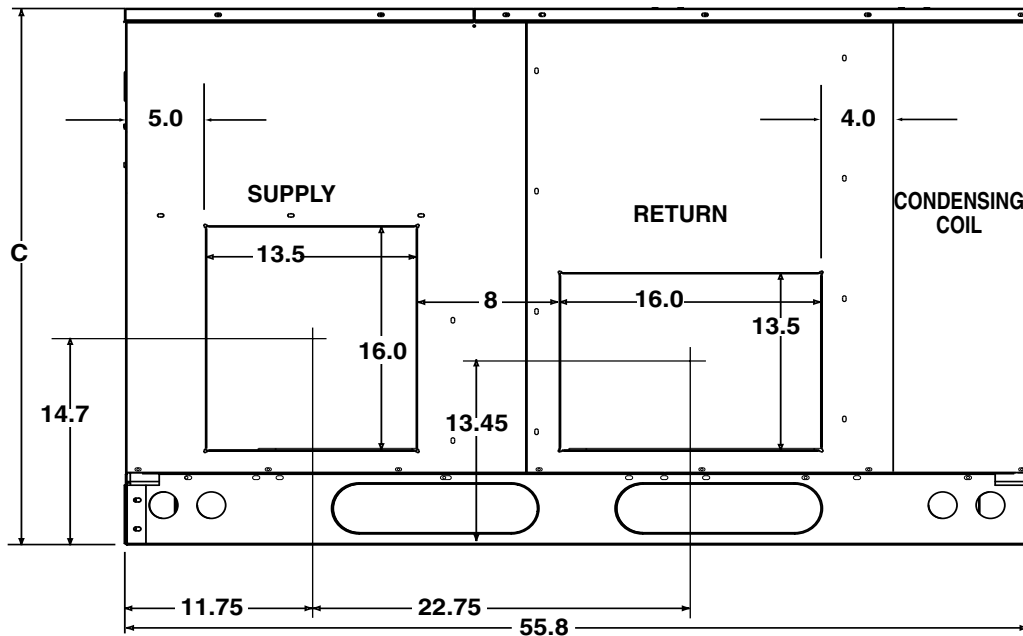
Top View

| Model Number PPA2SD | Unit Weight | Center of Gravity | | Height (in inches) |
|------------------------|----------------|-------------------|------|--------------------|
| | | A | B | C |
| X36 | 405 | 29.5 | 26.0 | 37.7 |
| X48 | 415 | 29.5 | 26.5 | 37.7 |
| X60 | 480 | 30.0 | 27.5 | 41.7 |

DIMENSIONS continued



Side View



Back (Duct) View

ELECTRICAL DATA

| PPA2SD SERIES - 208/230V - SINGLE PHASE MODELS | | | | | | | |
|--|-----------------------------------|----------------|-----|---------------------------------|-----|--------------------------------|-----|
| MODEL NUMBER PPA2SD | HEATER INSTALLED NOMINAL KW | SINGLE CIRCUIT | | MULTIPLE SUPPLY CIRCUIT OPTION | | | |
| | | MCA | MOP | CIRCUIT A (COMPRESSOR & FAN) | | CIRCUIT B (BLOWER & HEATER) | |
| | | | | MCA | MOP | MCA | MOP |
| X36K | 0 | 25.8 | 40 | - | - | - | - |
| | 5 | 26.5 | 40 | - | - | - | - |
| | 8 | 41.2 | 45 | - | - | - | - |
| | 10 | 51.6 | 60 | - | - | - | - |
| | 15 | 76.6 | 80 | 50.0 | 60 | 26.6 | 30 |
| X48K | 0 | 32.9 | 50 | - | - | - | - |
| | 5 | 32.9 | 50 | - | - | - | - |
| | 8 | 41.2 | 50 | - | - | - | - |
| | 10 | 51.6 | 60 | - | - | - | - |
| | 15 | 76.6 | 80 | 51.6 | 50 | 26.6 | 30 |
| | 20 | 101.6 | 110 | 50 | 50 | 51.6 | 60 |

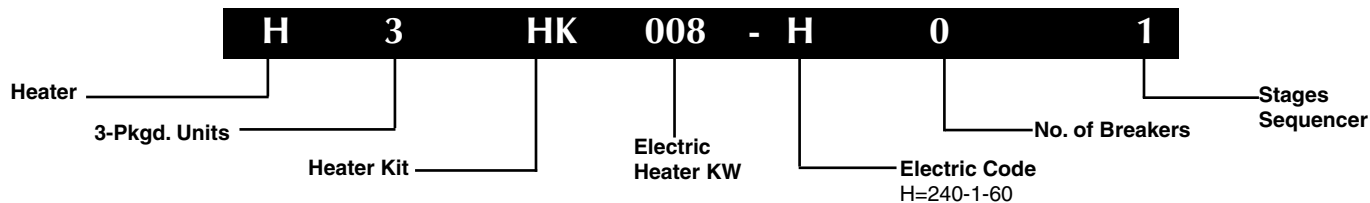
| MODEL NUMBER PPA2SD | HEATER INSTALLED NOMINAL KW | SINGLE CIRCUIT | | MULTIPLE SUPPLY CIRCUIT OPTION | | | | | |
|------------------------|--------------------------------------|----------------|-----|--|-----|----------------------------|-----|----------------------------|-----|
| | | MCA | MOP | CIRCUIT A (COMPRESSOR, BLOWER, & FAN) | | CIRCUIT B (HEATER ONLY) | | CIRCUIT C (HEATER ONLY) | |
| | | | | MCA | MOP | MCA | MOP | MCA | MOP |
| X60K | 0 | 43.8 | 70 | - | - | - | - | - | - |
| | 5 | 43.8 | 70 | - | - | - | - | - | - |
| | 8 | 43.8 | 70 | - | - | - | - | - | - |
| | 10 | 51.5 | 70 | 43.8 | 70 | 50 | 60 | - | - |
| | 15 | 76.5 | 80 | 51.5 | 70 | 25 | 30 | - | - |
| | 20 | 101.5 | 110 | 43.8 | 70 | 50 | 60 | 50 | 60 |

NOTE: PPA2SD 3 & 4 ton models have PSC motors. Since the power wires run through the heater plug, keep the blower and heater on different circuits when adding a heater kit.

HEATER APPLICATION MATRIX

| TONNAGE & PHASE | UNIT | NOMINAL KW | HEATER KIT MODEL | HEATER KIT PART NUMBER | BREAKERS REQUIRED |
|---------------------|--------|------------|------------------|------------------------|-------------------|
| 3 Ton, Single Phase | PPA2SD | 5 | H3HK005H-01B | 917166B | None |
| | | 8 | H3HK008H-01B | 917167B | None |
| | | 10 | H3HK010H-01B | 917168B | None |
| | | 15 | H3HK015H-01B | 917169B | 2 |
| | | 15 | H3HK015H-21B | 917172B | None |
| 4 Ton, Single Phase | PPA2SD | 5 | H3HK005H-01B | 917166B | None |
| | | 8 | H3HK008H-01B | 917167B | None |
| | | 10 | H3HK010H-01B | 917168B | None |
| | | 15 | H3HK015H-01B | 917169B | 2 |
| | | 15 | H3HK015H-21B | 917172B | None |
| | | 20 | H3HK020H-01B | 917170B | 2 |
| | | 20 | H3HK020H-21B | 917173B | None |
| 5 Ton, Single Phase | PPA2SD | 5 | H3HK005H-01B | 917166B | None |
| | | 8 | H3HK008H-01B | 917167B | None |
| | | 10 | H3HK010H-01B | 917168B | 2 |
| | | 15 | H3HK015H-01B | 917169B | 2 |
| | | 15 | H3HK015H-21B | 917172B | None |
| | | 20 | H3HK020H-01B | 917170B | 3 |
| | | 20 | H3HK020H-21B | 917173B | 1 |

IDENTIFICATION CODE



ACCESSORIES

| Description | Part Number |
|---|-------------|
| Roof Curb (8") | 547830 |
| Roof Curb (14") | 547831 |
| Roof Curb (18") | 547850 |
| Roof Curb (24") | 547851 |
| Supply/return transition, 16" | 547834 |
| Supply/return transition, 18" | 547835 |
| Concentric diffuser, flush, 16" | 547836 |
| Concentric diffuser, flush, 18" | 547837 |
| Concentric diffuser, step down 16" | 547838 |
| Concentric diffuser, step down 18" | 547839 |
| Filter Rack, All Downflow Applications (not required with economizer) | 547885 |
| Universal Hard Start Kit | 912933 |
| Low Ambient Kit | 918837 |
| Skirt Trim Kit | 919729B |
| Extreme High Wind Kit - Roof curb mount | 903696 |
| Extreme High Wind Kit - Ground mount | 903695 |
| Heater Kit - 4-Pole single circuit adaptor | 913350 |
| Heater Kit - 6-Pole single circuit adaptor | 913556 |
| Heater Kit - Circuit breaker single phase (2-pole) | 913554 |
| Freezestat Kit | 917108 |
| Duct Adopter, 14" Round (2 each) | 913812A |

COOLING EXPANDED RATINGS

PPA2SDX36

| O.D.T | | | 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. |
| 900 | 80 | 62 | 32.7 | 26.3 | 2.67 | 31.2 | 26.4 | 2.95 | 29.6 | 27.2 | 3.27 | 27.9 | 26.8 | 3.64 |
| | 80 | 67 | 35.6 | 21.3 | 2.70 | 33.9 | 20.7 | 2.98 | 32.1 | 20.2 | 3.30 | 30.1 | 19.5 | 3.67 |
| | 80 | 72 | 38.9 | 16.3 | 2.75 | 37.1 | 15.8 | 3.03 | 35.2 | 15.2 | 3.34 | 33.1 | 14.7 | 3.71 |
| | 75 | 63 | 33.1 | 21.0 | 2.68 | 31.5 | 21.1 | 2.95 | 29.8 | 21.0 | 3.28 | 28.0 | 20.6 | 3.64 |
| 1000 | 80 | 62 | 33.5 | 28.0 | 2.68 | 31.9 | 29.0 | 2.96 | 30.3 | 29.0 | 3.28 | 28.7 | 28.7 | 3.65 |
| | 80 | 67 | 36.2 | 22.5 | 2.71 | 34.4 | 22.0 | 2.99 | 32.6 | 21.4 | 3.31 | 30.7 | 20.9 | 3.67 |
| | 80 | 72 | 39.6 | 17.1 | 2.76 | 37.8 | 16.6 | 3.04 | 35.8 | 16.0 | 3.35 | 33.7 | 15.5 | 3.72 |
| | 75 | 63 | 33.7 | 23.1 | 2.68 | 32.0 | 22.9 | 2.96 | 30.4 | 22.8 | 3.28 | 28.6 | 22.2 | 3.65 |
| 1100 | 80 | 62 | 34.7 | 31.2 | 2.69 | 33.1 | 31.3 | 2.97 | 31.6 | 31.6 | 3.30 | 29.9 | 29.9 | 3.66 |
| | 80 | 67 | 37.3 | 24.5 | 2.73 | 35.5 | 23.9 | 3.00 | 33.6 | 23.2 | 3.32 | 31.6 | 22.6 | 3.69 |
| | 80 | 72 | 40.7 | 18.2 | 2.77 | 38.8 | 17.7 | 3.05 | 36.7 | 17.2 | 3.37 | 34.5 | 16.6 | 3.73 |
| | 75 | 63 | 34.8 | 26.0 | 2.70 | 33.1 | 25.6 | 2.97 | 31.3 | 24.9 | 3.29 | 29.4 | 24.2 | 3.66 |

PPA2SDX48

| O.D.T | | | 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. |
| 1250 | 80 | 62 | 44.1 | 35.7 | 3.45 | 42.2 | 36.0 | 3.84 | 40.0 | 37.1 | 4.27 | 37.8 | 36.6 | 4.77 |
| | 80 | 67 | 47.9 | 28.8 | 3.50 | 45.5 | 28.0 | 3.87 | 43.1 | 27.2 | 4.31 | 40.6 | 26.7 | 4.80 |
| | 80 | 72 | 52.1 | 21.9 | 3.54 | 49.5 | 21.2 | 3.92 | 46.9 | 20.5 | 4.35 | 44.2 | 19.8 | 4.85 |
| | 75 | 63 | 52.1 | 16.3 | 3.54 | 49.5 | 16.7 | 3.92 | 47.0 | 16.7 | 4.35 | 44.2 | 16.4 | 4.85 |
| 1400 | 80 | 62 | 45.2 | 38.2 | 3.46 | 43.1 | 39.5 | 3.85 | 41.0 | 39.5 | 4.29 | 39.0 | 39.0 | 4.78 |
| | 80 | 67 | 48.7 | 30.6 | 3.51 | 46.3 | 29.8 | 3.88 | 43.9 | 29.4 | 4.32 | 41.4 | 28.6 | 4.81 |
| | 80 | 72 | 52.9 | 23.1 | 3.54 | 50.4 | 22.4 | 3.93 | 47.7 | 21.6 | 4.36 | 44.9 | 20.9 | 4.86 |
| | 75 | 63 | 53.1 | 18.2 | 3.55 | 50.5 | 18.2 | 3.93 | 47.7 | 17.9 | 4.36 | 45.0 | 17.4 | 4.86 |
| 1550 | 80 | 62 | 46.2 | 41.8 | 3.47 | 44.2 | 41.9 | 3.86 | 42.2 | 42.2 | 4.30 | 40.1 | 40.1 | 4.80 |
| | 80 | 67 | 49.6 | 32.7 | 3.51 | 47.1 | 32.0 | 3.89 | 44.6 | 31.2 | 4.33 | 42.0 | 30.4 | 4.82 |
| | 80 | 72 | 53.8 | 24.2 | 3.55 | 51.1 | 23.5 | 3.95 | 48.4 | 22.8 | 4.37 | 45.5 | 22.0 | 4.86 |
| | 75 | 63 | 53.8 | 20.3 | 3.55 | 51.1 | 19.8 | 3.95 | 48.4 | 19.2 | 4.37 | 45.5 | 18.4 | 4.87 |

PPA2SDX60

| O.D.T | | | 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. |
| 1600 | 80 | 62 | 56.7 | 45.9 | 4.53 | 54.1 | 46.1 | 5.02 | 51.3 | 47.5 | 5.57 | 48.4 | 46.7 | 6.19 |
| | 80 | 67 | 61.2 | 37.4 | 4.62 | 58.1 | 36.4 | 5.09 | 55.0 | 35.3 | 5.65 | 51.7 | 34.2 | 6.26 |
| | 80 | 72 | 66.6 | 28.6 | 4.72 | 63.1 | 27.7 | 5.20 | 59.5 | 26.8 | 5.75 | 55.7 | 25.7 | 6.36 |
| | 75 | 63 | 57.0 | 36.9 | 4.54 | 54.2 | 37.0 | 5.02 | 51.2 | 36.7 | 5.57 | 48.2 | 36.0 | 6.18 |
| 1750 | 80 | 62 | 57.8 | 48.3 | 4.59 | 55.1 | 49.9 | 5.07 | 52.2 | 49.9 | 5.62 | 49.3 | 49.2 | 6.24 |
| | 80 | 67 | 62.0 | 39.2 | 4.67 | 58.9 | 38.1 | 5.14 | 55.7 | 37.0 | 5.70 | 52.3 | 35.8 | 6.31 |
| | 80 | 72 | 67.1 | 29.8 | 4.77 | 63.5 | 28.8 | 5.24 | 59.9 | 27.8 | 5.79 | 56.2 | 26.8 | 6.41 |
| | 75 | 63 | 57.8 | 40.1 | 4.59 | 54.9 | 39.8 | 5.07 | 51.9 | 39.1 | 5.62 | 48.8 | 38.1 | 6.23 |
| 1900 | 80 | 62 | 58.7 | 52.1 | 4.64 | 56.0 | 52.2 | 5.13 | 53.1 | 53.0 | 5.68 | 50.4 | 50.4 | 6.30 |
| | 80 | 67 | 62.7 | 40.9 | 4.72 | 59.6 | 39.8 | 5.20 | 56.3 | 38.7 | 5.75 | 52.8 | 37.5 | 6.36 |
| | 80 | 72 | 67.5 | 30.9 | 4.81 | 64.0 | 29.9 | 5.29 | 60.5 | 28.8 | 5.84 | 56.7 | 27.7 | 6.46 |
| | 75 | 63 | 58.5 | 43.5 | 4.64 | 55.6 | 42.7 | 5.12 | 52.5 | 41.6 | 5.66 | 49.3 | 40.3 | 6.28 |

MAYTAG



Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations.

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