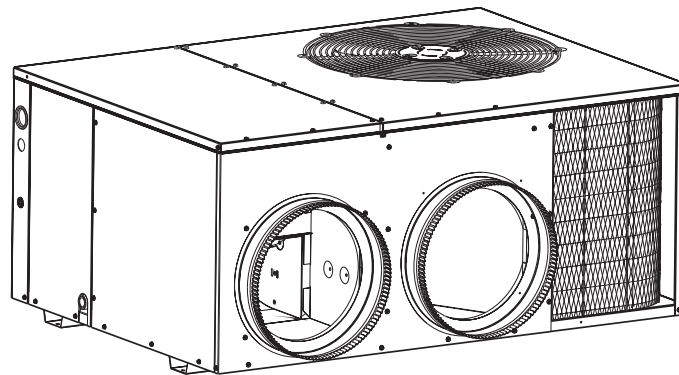
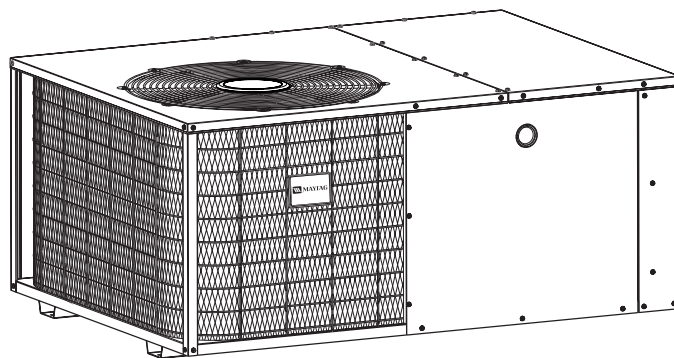




## TECHNICAL SPECIFICATIONS

### *Model PPH1RD Series*



M1200 Product Line

**Single Packaged Heat Pump  
13 SEER - 2 Ton thru 4 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. All split system products must be installed with a matched indoor air handler or indoor coil to qualify.**
- **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](http://www.maytaghvac.com) or ask your sales representative.**
- **Dealer is responsible for registration of labor portion of warranty.**

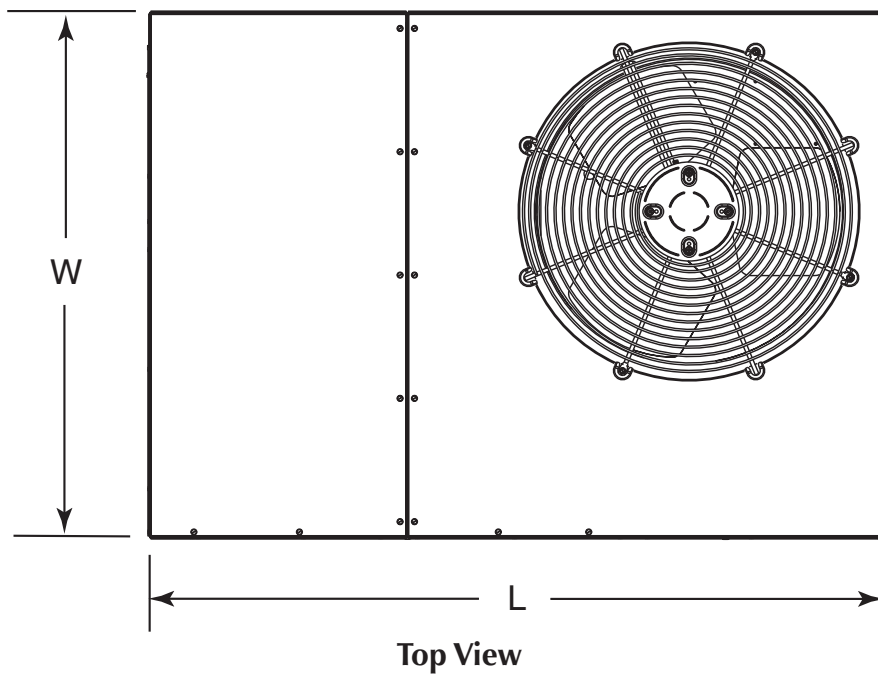


The PPH1RD Series single packaged heat pumps are high efficiency self contained cooling and heating units that can be installed on a slab. Units are ETL and ETLc listed.

## Features and Benefits

- **State-of-the-art Copeland Scroll Compressor** is standard equipment.
- **Galvanized Steel Cabinet** – Unit is trimmed in a silicone-protected polyester finish with a 950 hour salt spray finish that resists corrosion 50% better than comparable units.
- **Coils** are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **The service valves are easily accessible** and simplify servicing of the refrigeration system.
- **A wire coil guard and mesh hail guard that will never rust** protects the coil from being damaged by balls, lawnmowers, hail, etc.
- **Designed to make servicing easier** for the contractor, access panels are provided to all major components and the compressor.
- **0" clearance** to combustibles on duct side of the unit allows for installations in tight areas.
- **Easy access** to evaporator for cleaning and general maintenance.
- **Drain trap** design optimizes drainage capabilities.
- **Easy to install** electric heat strip provides up to 20 kw of heat output.
- **Compact footprint and profile** make the Q3 Series easy to install and transport.
- **Suction Accumulator and Crankcase Heat** – Protection from liquid flood back and future compressor failures. All 13 seer H.P. have scroll compressors.
- **Hot Gas Muffler** – Reduces compressor noise and vibration.
- **Outdoor thermostat** is standard equipment on all heat pumps.
- **Time / Temperature Defrost** – A reliable, industry standard control offers various time settings to meet any type climate.
- **Five Minute Restart Time Delay** – When the unit shuts down, a five minute delay keeps the unit from restarting, eliminating the highest cause for compressor failure.
- **Low Pressure Control** – Loss of charge protection ensures long compressor life.

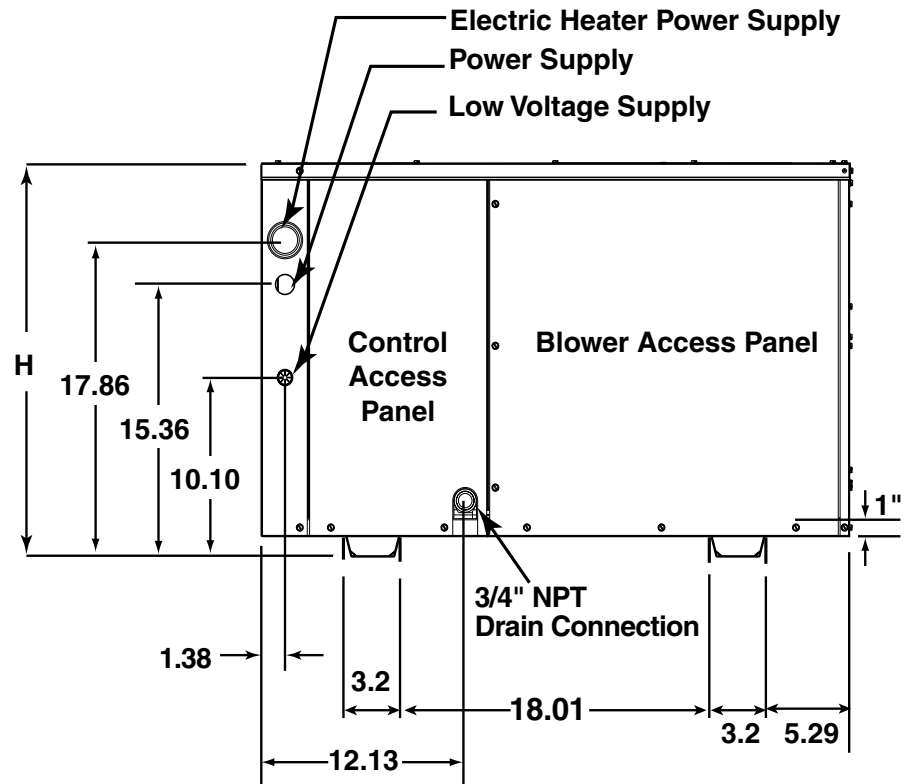
## DIMENSIONS



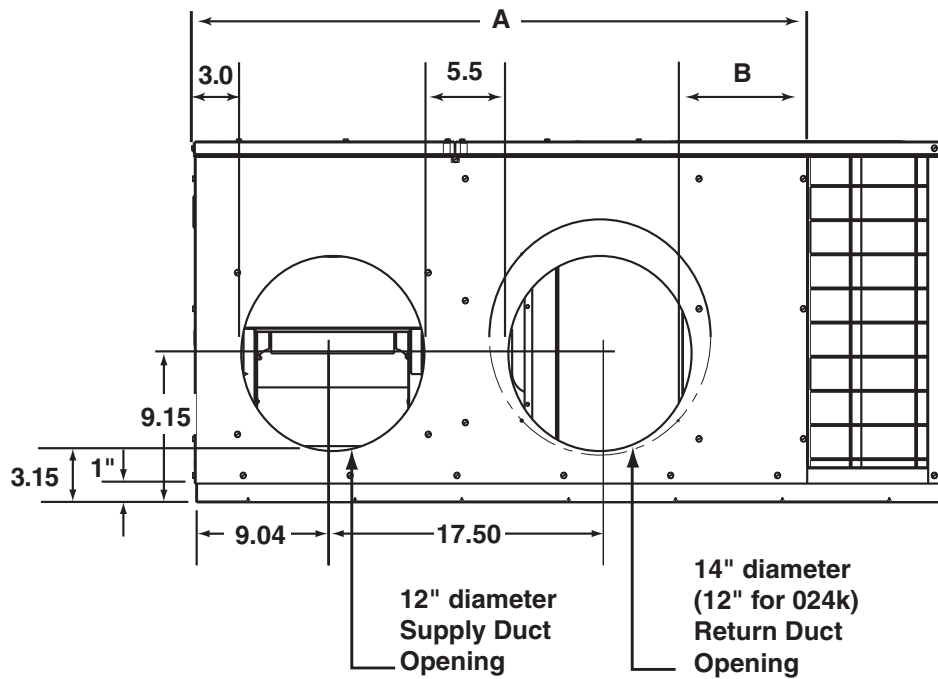
| Model Number<br>PPH1RD- | (L)<br>Length | (W)<br>Width | (H)<br>Height | A     | B    |
|-------------------------|---------------|--------------|---------------|-------|------|
| 024K                    | 49            | 35           | 22.2          | 40.15 | 7.61 |
| 030K                    | 49            | 35           | 30.2          | 40.15 | 7.61 |
| 036K                    | 49            | 35           | 30.2          | 35.02 | 2.48 |
| 042K                    | 49            | 35           | 30.2          | 35.02 | 2.48 |
| 048K                    | 49            | 35           | 34.2          | 35.02 | 2.48 |

| Model Number<br>PPH1RD- | Return<br>Diameter (in) |
|-------------------------|-------------------------|
| 024K                    | 12                      |
| 030K                    | 14                      |
| 036K                    | 14                      |
| 042K                    | 14                      |
| 048K                    | 14                      |

## DIMENSIONS continued



Side View



Back (Duct) View

# ELECTRICAL DATA

| Model Number | Heater Installed<br>Nom. KW | Single Supply Circuit Option |                          |                          |                              |     | Circuit A                |                          |                          |                              |   | Circuit B                |                          |                          |                             |   | Circuit C                |                          |                          |                             |    |
|--------------|-----------------------------|------------------------------|--------------------------|--------------------------|------------------------------|-----|--------------------------|--------------------------|--------------------------|------------------------------|---|--------------------------|--------------------------|--------------------------|-----------------------------|---|--------------------------|--------------------------|--------------------------|-----------------------------|----|
|              |                             | Option                       |                          |                          |                              |     | Minimum                  |                          |                          |                              |   | Minimum                  |                          |                          |                             |   | Minimum                  |                          |                          |                             |    |
|              |                             | Rec Wire Gauge (60°C Cu)     | Rec Wire Gauge (75°C Cu) | Rec Wire Gauge (90°C Cu) | Maximum Over-current Rating* |     | Rec Wire Gauge (60°C Cu) | Rec Wire Gauge (75°C Cu) | Rec Wire Gauge (90°C Cu) | Maximum Over-current Rating* |   | Rec Wire Gauge (60°C Cu) | Rec Wire Gauge (75°C Cu) | Rec Wire Gauge (90°C Cu) | Maximum Over-current Rating |   | Rec Wire Gauge (60°C Cu) | Rec Wire Gauge (75°C Cu) | Rec Wire Gauge (90°C Cu) | Maximum Over-current Rating |    |
| PPH1RD-024K  | 0                           | 20.1                         | 10                       | 10                       | 30                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 5                           | 45.1                         | 6                        | 8                        | 50                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 8                           | 59.6                         | 4                        | 6                        | 60                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
| PPH1RD-030K  | 10                          | 70.1                         | 3                        | 4                        | 80                           |     | 16                       | 12                       | 12                       | 25                           |   | 54.1                     | 6                        | 8                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 5                           | 44.2                         | 6                        | 8                        | 50                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 8                           | 59.8                         | 4                        | 6                        | 60                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
| PPH1RD-036K  | 10                          | 69.2                         | 4                        | 4                        | 6                            | 60  | 17.8                     | 12                       | 12                       | 30                           |   | 51.4                     | 6                        | 8                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15                          | 94.2                         | 2                        | 3                        | 4                            | 100 | 42.8                     | 6                        | 8                        | 50                           |   | 51.4                     | 6                        | 8                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15 (3 circuit)              | -                            | -                        | -                        | -                            | -   | 17.8                     | 12                       | 12                       | 30                           |   | 26.4                     | 10                       | 10                       | 30                          |   | 50                       | 6                        | 8                        | 8                           | 60 |
| PPH1RD-042K  | 0                           | 25.4                         | 10                       | 10                       | 40                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 5                           | 50.4                         | 6                        | 8                        | 60                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 8                           | 65                           | 4                        | 6                        | 70                           |     | 21.3                     | 10                       | 10                       | 35                           |   | 43.7                     | 6                        | 8                        | 45                          |   | -                        | -                        | -                        | -                           | -  |
| PPH1RD-048K  | 10                          | 75.4                         | 3                        | 4                        | 80                           |     | 21.3                     | 10                       | 10                       | 35                           |   | 54.1                     | 6                        | 8                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15                          | 100                          | 1                        | 2                        | 110                          |     | 46.3                     | 6                        | 8                        | 50                           |   | 54.1                     | 6                        | 8                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15 (3 circuit)              | -                            | -                        | -                        | -                            | -   | 21.3                     | 10                       | 10                       | 35                           |   | 29.1                     | 10                       | 10                       | 30                          |   | 50                       | 6                        | 8                        | 8                           | 60 |
| PPH1RD-048K  | 0                           | 32.2                         | 8                        | 8                        | 50                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 5                           | 57.2                         | 4                        | 6                        | 70                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 8                           | 71.8                         | 3                        | 4                        | 80                           |     | 26.2                     | 10                       | 10                       | 45                           |   | 45.6                     | 6                        | 8                        | 50                          |   | -                        | -                        | -                        | -                           | -  |
| PPH1RD-048K  | 10                          | 82.2                         | 3                        | 4                        | 90                           |     | 26.2                     | 10                       | 10                       | 45                           |   | 52.1                     | 6                        | 8                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15                          | 107                          | 1                        | 2                        | 110                          |     | 45.6                     | 6                        | 8                        | 50                           |   | 56                       | 4                        | 6                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15 (3 circuit)              | -                            | -                        | -                        | -                            | -   | 26.2                     | 10                       | 10                       | 45                           |   | 34.1                     | 8                        | 8                        | 35                          |   | 50                       | 6                        | 8                        | 8                           | 60 |
| PPH1RD-048K  | 20                          | 132                          | 0                        | 0                        | 150                          |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 20 (3 circuit)              | -                            | -                        | -                        | -                            | -   | 26.2                     | 10                       | 10                       | 45                           |   | 56                       | 4                        | 6                        | 60                          |   | 50                       | 6                        | 8                        | 8                           | 60 |
|              | 20 (3 circuit)              | -                            | -                        | -                        | -                            | -   | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
| PPH1RD-048K  | 0                           | 40.1                         | 6                        | 8                        | 60                           |     | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 5                           | 65                           | 4                        | 4                        | 6                            | 80  | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 8                           | 79                           | 3                        | 4                        | 4                            | 90  | 34.1                     | 8                        | 8                        | 60                           |   | 45.6                     | 6                        | 8                        | 50                          |   | -                        | -                        | -                        | -                           | -  |
| PPH1RD-048K  | 10                          | 90                           | 2                        | 3                        | 4                            | 100 | 34.1                     | 8                        | 8                        | 60                           |   | 56                       | 4                        | 6                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15                          | 115                          | 0                        | 1                        | 2                            | 125 | 59.1                     | 4                        | 6                        | 80                           |   | 56                       | 4                        | 6                        | 60                          |   | -                        | -                        | -                        | -                           | -  |
|              | 15 (3 circuit)              | -                            | -                        | -                        | -                            | -   | 34.1                     | 8                        | 8                        | 60                           |   | 31                       | 8                        | 8                        | 35                          |   | 50                       | 6                        | 8                        | 8                           | 60 |
| PPH1RD-048K  | 20                          | 140                          | 0                        | 0                        | 1                            | 150 | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |
|              | 20 (3 circuit)              | -                            | -                        | -                        | -                            | -   | 34.1                     | 8                        | 8                        | 60                           |   | 56                       | 4                        | 6                        | 60                          |   | 50                       | 6                        | 8                        | 8                           | 60 |
|              | 20 (3 circuit)              | -                            | -                        | -                        | -                            | -   | -                        | -                        | -                        | -                            | - | -                        | -                        | -                        | -                           | - | -                        | -                        | -                        | -                           | -  |

\*When overcurrent rating exceeds 60, internal circuit breakers must be installed in addition to branch circuit protection at distribution panel.

## HEATER APPLICATION MATRIX

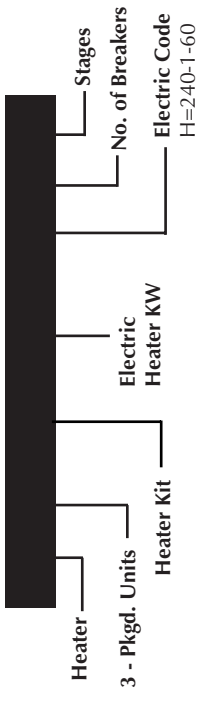
| Model Number | Motor Speed | H3HK-005H-01A 917166A | H3HK-008H-01A 917167A | H3HK-010H-01A 917168A | H3HK-015H-01A 917169A | H3HK-020H-01A 917170A | H3HK-015H-21A 917172A | H3HK-020H-21A 917173A |
|--------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|              |             | X(0)                  | X(0)                  | X(2)                  | NA                    | NA                    | NA                    | NA                    |
| 024K         | High        | X(0)                  | X(0)                  | X(2)                  | NA                    | NA                    | NA                    | NA                    |
|              | Low         | X(0)                  | X(0)                  | X(2)                  | NA                    | NA                    | NA                    | NA                    |
| 030K         | High        | X(0)                  | X(0)                  | X(2)                  | X(2 or 3)             | NA                    | X(0 or 1)             | NA                    |
|              | Low         | X(0)                  | X(0)                  | X(2)                  | X(2 or 3)             | NA                    | X(0 or 1)             | NA                    |
| 036K         | High        | X(0)                  | X(0)                  | X(2)                  | X(2 or 3)             | NA                    | X(0 or 1)             | NA                    |
|              | Low         | X(0)                  | X(0)                  | X(2)                  | X(2 or 3)             | NA                    | X(0 or 1)             | NA                    |
| 042K         | High        | X(0)                  | X(2)                  | X(2)                  | X(2 or 3)             | X(3)                  | X(0 or 1)             | X(1)                  |
|              | Low         | X(0)                  | X(2)                  | X(2)                  | X(2 or 3)             | NA                    | X(0 or 1)             | NA                    |
| 048K         | High        | X(2)                  | X(2)                  | X(2)                  | X(2 or 3)             | X(3)                  | X(0 or 1)             | X(1)                  |
|              | Low         | X(2)                  | X(2)                  | X(2)                  | X(2 or 3)             | NA                    | X(0 or 1)             | NA                    |

NA = Not Approved  
( ) = Number of internal circuit breaker kits required.

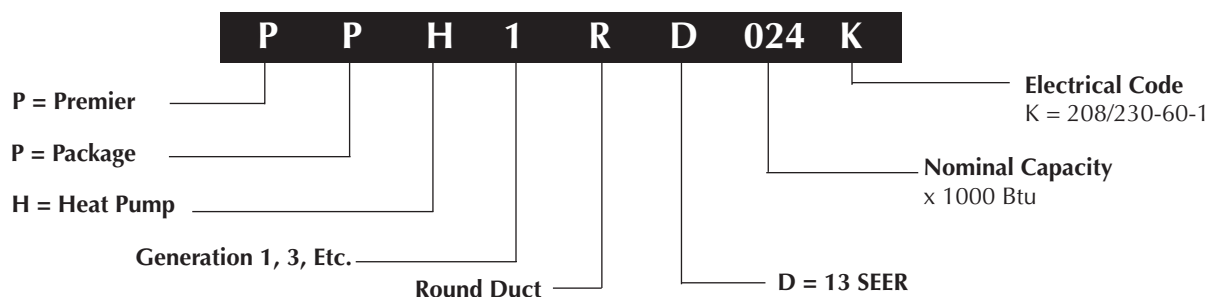
## HEATER KIT ACCESSORIES

| Description                           | Part Number |
|---------------------------------------|-------------|
| 4-Pole single circuit adaptor         | 913350      |
| 6-Pole single circuit adaptor         | 913556      |
| Circuit Breaker Single Phase (2-pole) | 913554      |

## IDENTIFICATION CODE



## IDENTIFICATION CODE



## PHYSICAL SPECIFICATIONS

| Model No. PPH1RD-                  | 024K       | 030K       | 036K       | 042K       | 048K       |
|------------------------------------|------------|------------|------------|------------|------------|
| <b>Electric Rating — 60 Hz (a)</b> |            |            |            |            |            |
| Operating Voltage Range            | 187 - 253  | 187 - 253  | 187 - 253  | 187 - 253  | 187 - 253  |
| Min. Circuit Ampacity (a)          | 17.4       | 19.2       | 25.4       | 32.2       | 40         |
| Field Wire Size — AWG (a)          | 12         | 12         | 10         | 8          | 6          |
| Delay Fuse — Max. (b)              | 25         | 30         | 35         | 35         | 45         |
| Total Unit — AMPS                  | 14.3       | 16         | 21.3       | 27.2       | 33.5       |
| <b>Compressor</b>                  |            |            |            |            |            |
| Volts                              | 208 - 230  | 208 - 230  | 208 - 230  | 208 - 230  | 208 - 230  |
| Rated Load Amps                    | 12.1       | 13.6       | 16.4       | 20         | 26.3       |
| Lock Rotor Amps                    | 54.0       | 67         | 83.0       | 104.0      | 137.0      |
| <b>Fan Motor and Condenser</b>     |            |            |            |            |            |
| Fan Motor — HP - RPM               | 1/8 - 1100 | 1/8 - 1100 | 1/8 - 1100 | 1/4 - 1100 | 1/4 - 1100 |
| Fan Motor — Amps                   | .84        | .84        | .84        | 1.2        | 1.2        |
| Fan Dia. — CFM                     | 20" - 2700 | 20" - 2700 | 20" - 2700 | 20" - 3000 | 20" - 3000 |
| <b>Motor and Evaporator</b>        |            |            |            |            |            |
| Blower Motor — HP - RPM            | 1/2 - 1000 | 1/4 - 980  | 1/2 - 1000 | 3/4 - 1060 | 3/4 - 1060 |
| Blower Motor — Amps                | 4.1        | 1.4        | 4.1        | 6          | 6          |
| CFM @ E.S.P. — in. W.C.            | 1000 @ .30 | 1320 @ .30 | 1390 @ .30 | 1390 @ .30 | 1730 @ .30 |
| <b>Refrigerant — Oz.</b>           | 101        | 126        | 125        | 118        | 171        |
| <b>Shipping Weight -- Lbs.</b>     | 295        | 335        | 340        | 355        | 385        |

- (a) Amperage and wire size based on refrigeration system only with 60° C wire, 50 ft. length. See Electrical Data tables for supplemental electric heaters. Refer to National Electric Code for additional derating factors for field installed conductors.
- (b) Use time delay fuse or "HACR" type circuit breaker.

## SYSTEM HEATING AND COOLING CAPACITIES

| Model Number PPH1RD | Cooling Btuh | SEER | EER  | Heating Btuh @47 | HSPF |
|---------------------|--------------|------|------|------------------|------|
| 024K                | 24,000       | 13   | 12.6 | 23,000           | 7.7  |
| 030K                | 30,000       | 13   | 11.6 | 28,400           | 7.7  |
| 036K                | 34,400       | 13   | 12.1 | 33,200           | 7.7  |
| 042K                | 42,000       | 13   | 11.6 | 40,500           | 7.7  |
| 048K                | 47,000       | 13   | 11.0 | 46,500           | 7.7  |

# BLOWER PERFORMANCE

| Model Number              |        | External Static Pressure (in. WC) |      |      |      |      |      |
|---------------------------|--------|-----------------------------------|------|------|------|------|------|
| PPH1RD                    |        | 0.1                               | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  |
| 030K † *                  | High   | 1120                              | 1060 | 1000 | 930  | 860  | 750  |
|                           | Low    | 840                               | 800  | 760  | 710  | 610  | N/A  |
| 024K *<br>036K **<br>† ** | Tap T1 | 1100                              | 900  | 750  | 650  | 580  | 520  |
|                           | Tap T2 | 1170                              | 1080 | 1000 | 620  | 900  | 860  |
|                           | Tap T3 | 1220                              | 1180 | 1140 | 1100 | 1070 | 1020 |
|                           | Tap T4 | 1370                              | 1333 | 1300 | 1260 | 1230 | 1180 |
|                           | Tap T5 | 1410                              | 1340 | 1450 | 1320 | 1280 | 1240 |
| 042K *<br>048K † **<br>†† | Tap T1 | 1380                              | 1360 | 1340 | 1300 | 1260 | 1240 |
|                           | Tap T2 | 1530                              | 1480 | 1450 | 1420 | 1390 | 1350 |
|                           | Tap T3 | 1740                              | 1700 | 1650 | 1630 | 1600 | 1560 |
|                           | Tap T4 | 1840                              | 1810 | 1750 | 1750 | 1710 | 1640 |
|                           | Tap T5 | 2130                              | 2080 | 1970 | 1890 | 1850 | 1180 |

\* Factory set cooling speed for 024K, 030K and 042K

\*\* Factory set cooling speed for 036K and 048K

† Factory set electrical heating speed for 024K, 030K and 042K

†† Factory set electrical heating speed for 036K and 048K

| COPPER WIRE SIZE — AWG<br>(1% Voltage Drop) |     |     |    |                            |
|---------------------------------------------|-----|-----|----|----------------------------|
| Supply Wire Length-Feet                     |     |     |    | Supply Circuit<br>Ampacity |
| 200                                         | 150 | 100 | 50 |                            |
| 6                                           | 8   | 10  | 14 | 15                         |
| 4                                           | 6   | 8   | 12 | 20                         |
| 4                                           | 6   | 8   | 10 | 25                         |
| 4                                           | 4   | 6   | 10 | 30                         |
| 3                                           | 4   | 6   | 8  | 35                         |
| 3                                           | 4   | 6   | 8  | 40                         |
| 2                                           | 3   | 4   | 6  | 45                         |
| 2                                           | 3   | 4   | 6  | 50                         |

Wire Size based on N.E.C. for 60° type copper conductors.



We Encourage  
Professionalism  
**NATE**  
Through Technician  
Certification by NATE



CERTIFICATION APPLIES  
ONLY WHEN THE  
COMPLETE SYSTEM  
IS LISTED WITH ARI



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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