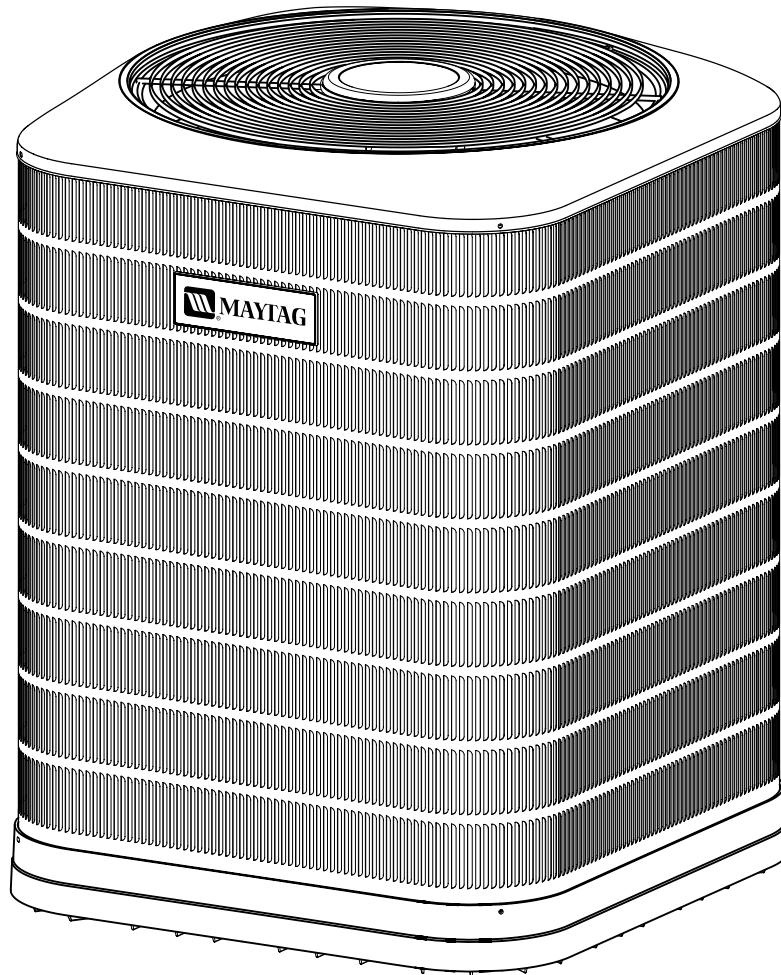


MAYTAG

TECHNICAL SPECIFICATIONS

Model PSH4BF-KA Series



M1200 Product Line

**R-410A Ultra High Efficiency Heat Pumps
16 SEER — 2 - 5 Ton Capacity**

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



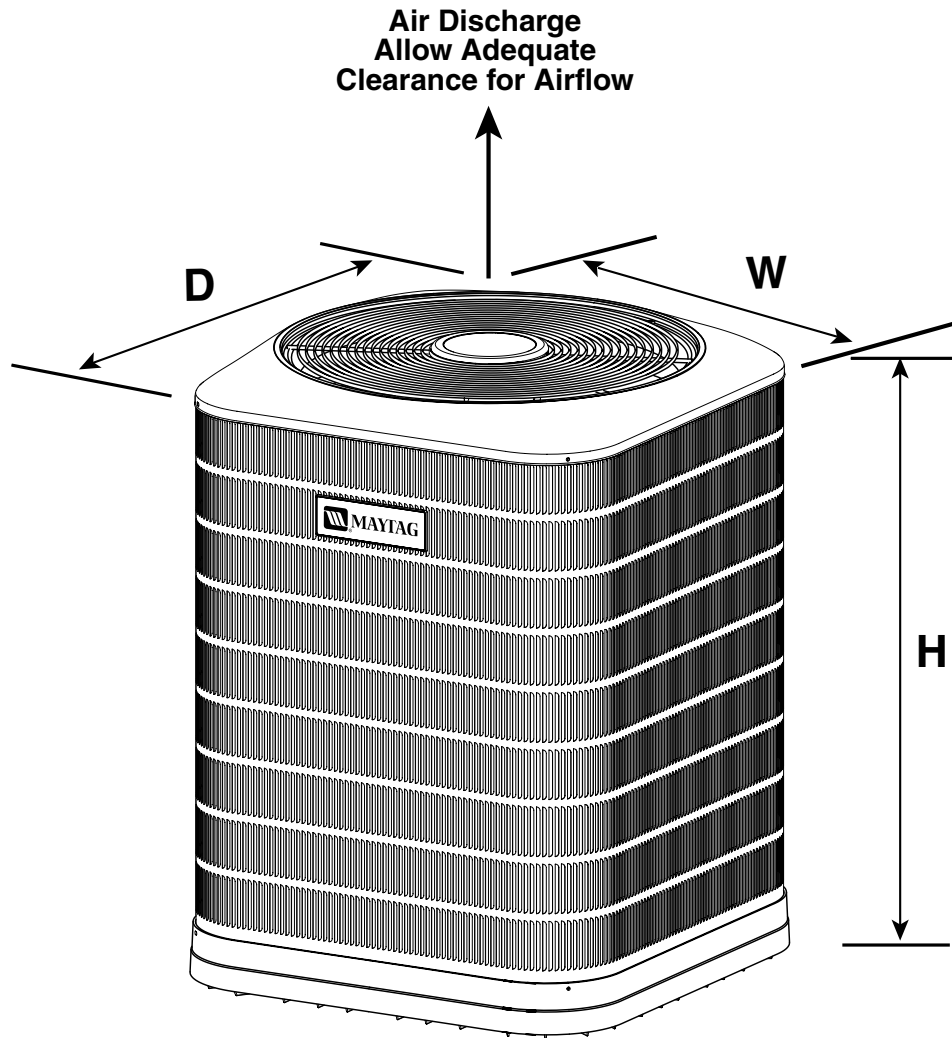
Maytag now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated Smart Cool 410™ (R-410A). The PSH4BF-KA Series of Maytag heat pumps offers exceptional performance as well as environmental protection. These models, when matched with our variable speed air handlers or variable speed equipped gas furnaces, offer a line of high quality heat pump systems rated up to 16 SEER and 9 HSPF.

Features and Benefits

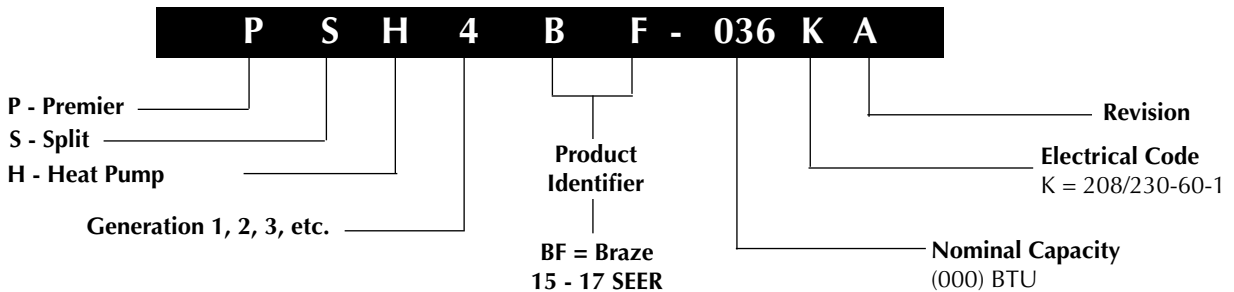
- **Smart Cool 410™ Refrigerant (R-410A)** – Earth friendly non-ozone depleting refrigerant.
- **Comfort Alert™ Diagnostic Module** – Detects system and electrical problem conditions. A diagnostics key directs the service technician to the root cause of a problem.
- **Copeland Scroll Ultra Tech™ Compressor** – The Ultra Tech Compressor operates with 2 stages of heating and cooling capacities to provide superior comfort and efficiency. Copeland's proven and simple design equates to years of comfort and reliability for the homeowner with virtually silent operation.
- **Quiet Plus™ Sound Package** – Consists of a Quiet Plus™ Compressor Sound Blanket and a Swept Wing Fan Blade. Both have been engineered to significantly reduce unwanted noise.
- **Designed using Stainless Steel** – Durable brushed stainless steel protects the coil from yard hazards and extreme weather. Unit is trimmed in a silicone-protected polyester finish with a 950 hour salt spray finish that resists corrosion 50% better than comparable units.
- **Copper Tube / Aluminum Fin Coils** – Coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Full Service Valves** – These brass valves are easily accessible and simplify servicing of the refrigeration system.
- **Time / Temperature Defrost** – A reliable, industry standard control offers various time settings to meet any type climate.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **High Pressure Switch** – Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Low Pressure Control** – Loss of charge protection ensures long compressor life.
- **Liquid Line Filter / Drier** – Included with unit, field installed.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **Common Suction Service Port** – This port allows the contractor to read the suction pressure in all modes of operation without removing any panels, saving time and increasing serviceability.
- **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.
- **Suction Accumulator and Crankcase Heat** – Protection from liquid flood back and future compressor failures.
- **Hot Gas Muffler** – Reduces compressor noise and vibration.
- **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.

DIMENSIONS/OUTDOOR SECTION

| PSH4BF | 024KA | 036KA | 048KA | 060KA |
|--------|--------|--------|--------|--------|
| H | 41 | 45 | 45 | 45 |
| W | 31 1/4 | 31 1/4 | 31 1/4 | 31 1/4 |
| D | 31 1/4 | 31 1/4 | 31 1/4 | 31 1/4 |



IDENTIFICATION CODE



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

16 SEER — Ultra High Efficiency — Single Phase

| Model Number PSH4BF | | 024KA | 036KA | 048KA | 060KA | |
|--|------------------------|-----------------|--------------|--------------|--------------|------------|
| Electrical Data | Volts-Cycles-Phase (1) | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 | |
| | Total Amps | 13.2 | 17.9 | 24.0 | 25.9 | |
| | Delay Fuse Max. (2) | 25 | 35 | 50 | 50 | |
| | Min. Circuit Ampacity | 15.8 | 22.1 | 29.3 | 31.7 | |
| Condenser Data | Coil | Area | 25.4 | 25.4 | 25.4 | 25.4 |
| | | Rows-FPI | 1-20 | 2-18 | 2-18 | 2-18 |
| | | Tube Dia | 3/8" O.D. | 3/8" O.D. | 3/8" O.D. | 3/8" O.D. |
| | Fan Motor | Type | BLDC | PSC | BLDC | BLDC |
| | | Speeds | 1 | 2 | 2 | 2 |
| | | Amps | 2.9 | 1.3 | 2.9 | 2.9 |
| | | Lo/Hi Spd Watts | 110 | 187/250 | 150/200 | 150/200 |
| | | HP | 1/2 | 1/4 | 1/3 | 1/3 |
| | Fan Blade | Dia-# Blades | 24"- 2 | 24"- 2 | 24"- 2 | 24"- 2 |
| | | SCFM | 3600 | 4000 | 4000 | 4000 |
| | Compressor Data | RLA | 10.3 | 16.6 | 21.1 | 23.0 |
| | | LRA | 52 | 82 | 96 | 118 |
| Refrigerant suction line O.D.(all length of liquid line are 3/8" O.D.) | | 0-24 ft. | 3/4" | 7/8" (4) | 7/8" | 7/8" |
| | | 25-39 ft. | 7/8" | 1-1/8" (3) | 1-1/8" (3) | 1-1/8" (3) |
| | | 40-75 ft. | 7/8" | 1-1/8" (3) | 1-1/8" (3) | 1-1/8" (3) |
| Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' lineset. | | 185 | 272 | 272 | 272 | |
| Weight Approximate (lbs.) | Net | 253 | 277 | 277 | 301 | |
| | Ship | 265 | 289 | 289 | 313 | |

(1) Operating voltage range: 187V minimum - 253 V maximum

(2) HACR type circuit breakers may be used

(3) Requires 1-1/8 to 7/8" reducer from unit to lineset.

(4) Use of a 3/4" lineset will result in approximately 2% loss in capacity.

| COPPER WIRE SIZE — AWG (1% Voltage Drop) | | | | |
|---|-----|-----|----|----------------------------|
| Supply Wire Length-Feet | | | | Supply Circuit 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.

SYSTEM HEATING & COOLING CAPACITIES

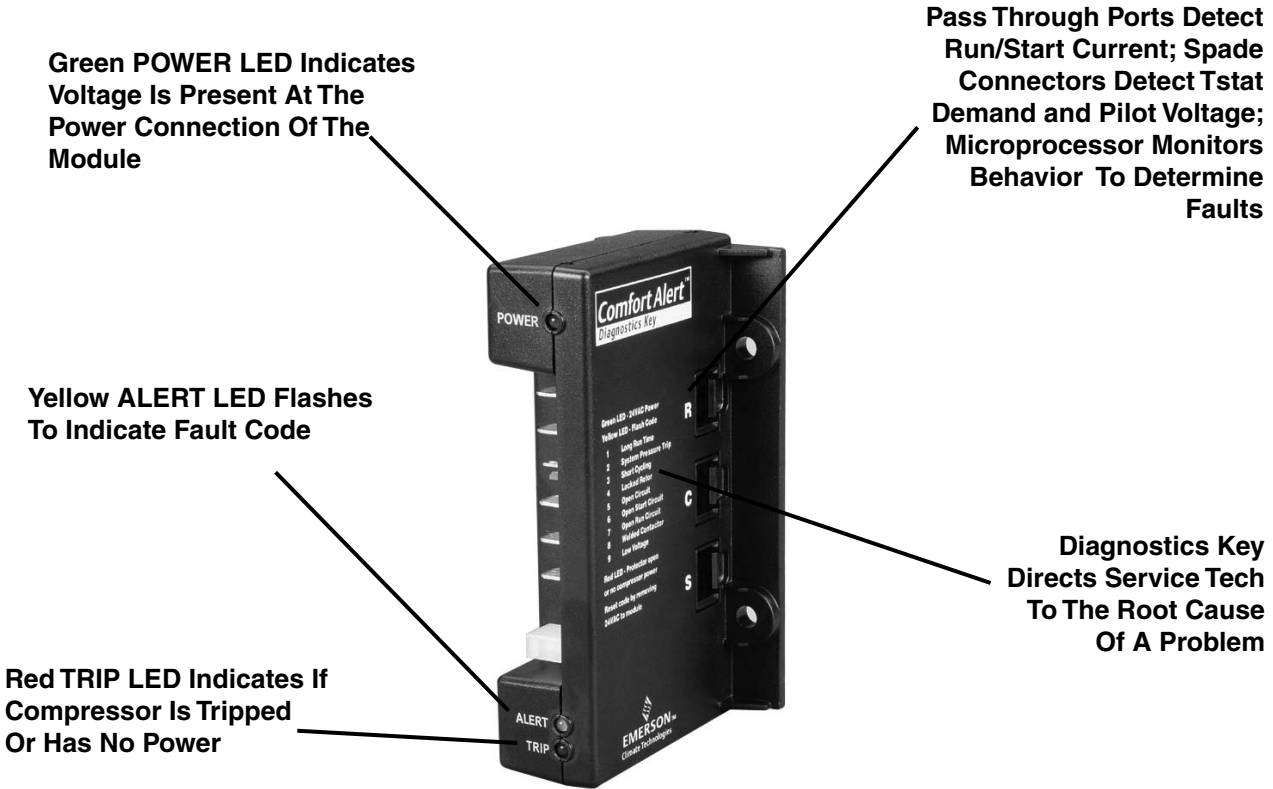
16 SEER — Ultra High Efficiency — Single Phase

| With this Coil | | | | | | | | | | |
|----------------------------------|-------------------------------|----------------------------------|-----------------------------------|------|------|----------------------|-----------------------|----------------------------------|-----------------------------------|------|
| Outdoor Unit Number PSH4BF | Indoor Unit Number C6BA/H- | Cooling | | | | Indoor CFM | | Heating | | |
| | | Low Speed Capacity (Btu/h) | High Speed Capacity (Btu/h) | SEER | EER | Low Speed SCFM | High Speed SCFM | Low Speed Capacity (Btu/h) | High Speed Capacity (Btu/h) | HSPF |
| 024KA | X26(C,U)-B+MB6VM | 18000 | 24000 | 16 | 13.0 | 640 | 850 | 18000 | 24000 | 9.0 |
| 036KA | X36(C,U)-B+MB6VM | 25000 | 36000 | 16 | 12.5 | 900 | 1250 | 24000 | 36000 | 9.0 |
| 036KA | X36(C,U)-C+MB6VM | 25000 | 36000 | 16 | 12.5 | 900 | 1250 | 24000 | 36000 | 9.0 |
| 048KA | X48(C,U)-C+MB6VM | 34000 | 48000 | 16 | 12.5 | 1140 | 1700 | 31000 | 46000 | 9.0 |
| 048KA | X48(C,U)-D+MB6VM | 34000 | 48000 | 16 | 12.5 | 1140 | 1700 | 31000 | 46000 | 9.0 |
| 060KA | X60(C,U)-C+MB6VM | 41000 | 57000 | 16 | 12.5 | 1200 | 1800 | 37000 | 52500 | 8.5 |
| 060KA | X60(C,U)-D+MB6VM | 41000 | 57000 | 16 | 12.5 | 1200 | 1800 | 37000 | 52500 | 8.5 |

| With this Air Handler | | | | | | | | | | |
|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|------|------|----------------------|-----------------------|----------------------------------|-----------------------------------|------|
| Outdoor Unit Number PSH4BF | Indoor Unit Number PAH4VM- | Cooling | | | | Indoor CFM | | Heating | | |
| | | Low Speed Capacity (Btu/h) | High Speed Capacity (Btu/h) | SEER | EER | Low Speed SCFM | High Speed SCFM | Low Speed Capacity (Btu/h) | High Speed Capacity (Btu/h) | HSPF |
| 024KA | X24KB | 18000 | 24000 | 16 | 13.0 | 640 | 850 | 18000 | 24000 | 9.0 |
| 036KA | X36KB | 25000 | 36000 | 16 | 12.5 | 900 | 1250 | 24000 | 36000 | 9.0 |
| 048KA | X48KC | 34000 | 48000 | 16 | 12.5 | 1140 | 1700 | 31000 | 46000 | 9.0 |
| 060KA | X60KC | 41000 | 57000 | 16 | 12.5 | 1200 | 1800 | 37000 | 52500 | 8.5 |

Air handlers and coils used in tables are designed and manufactured by NORDYNE.

COMFORT ALERT™ DIAGNOSTIC MODULE



ACCESSORIES - CONDENSING UNIT

Start Assist Kit - 912933
Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.



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.

Manufactured under license by NORDYNE, O'Fallon, MO. ©Registered Trademark/™ Trademark of Maytag Corporation or its related companies. ©2007. All rights reserved.

893C-0708 (Replaces 893C-0608)

Printed in U.S.A. (07/08)