

**MAYTAG**

## TECHNICAL SPECIFICATIONS

*Model PSH4BE Series*



M1200 Product Line

**R-410A High Efficiency Heat Pump  
14 SEER — 1.5 - 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](http://www.maytagvac.com) or ask your sales representative.**
- **Dealer is responsible for registration of labor portion of warranty.**



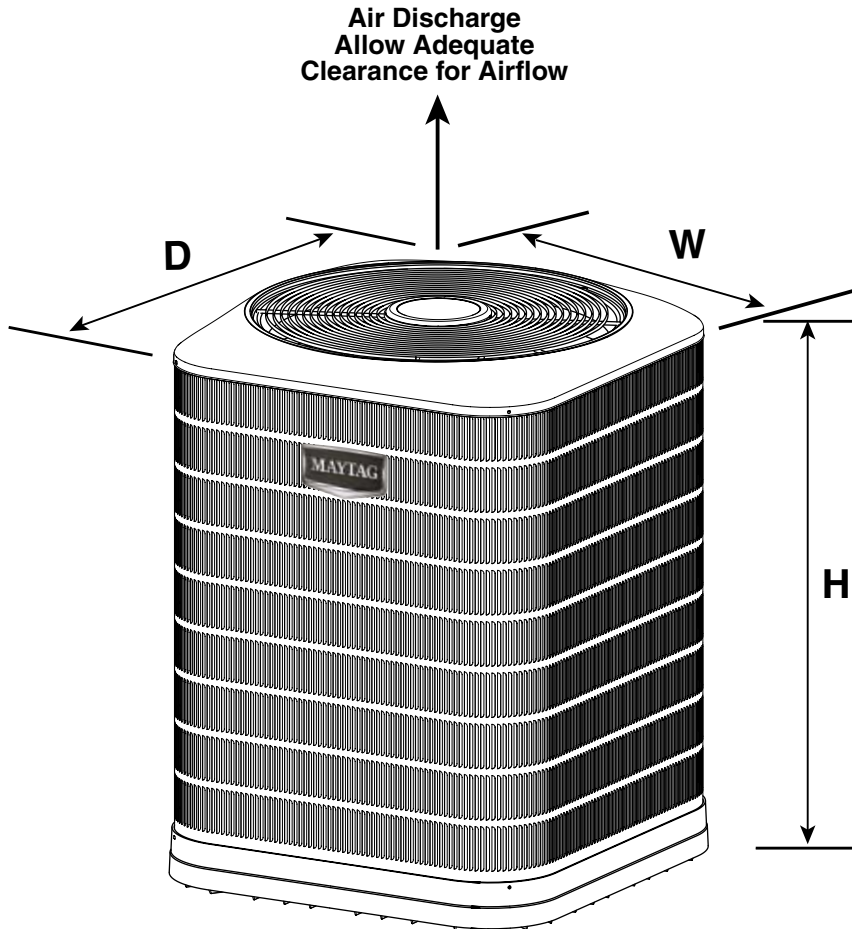
Maytag now offers the choice of a heat pump that uses a more efficient and environmentally friendly refrigerant designated R-410A. The PSH4BE Series of heat pumps offers exceptional performance from a small, compact package. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

### Features and Benefits

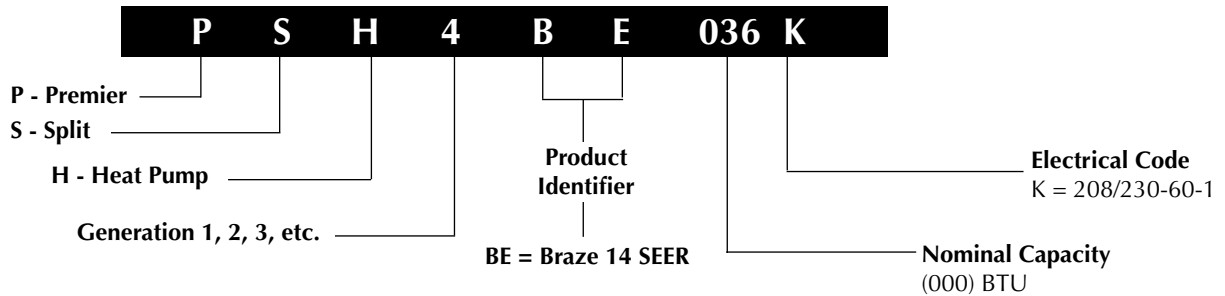
- **ComfortAlert™ Module** – Detects system and electrical problem conditions. A diagnostics key directs the service technician to the root cause of a problem.
- **Smart Cool 410™ Refrigerant (R-410A)** – Earth friendly non-ozone depleting refrigerant.
- **Durable attractive stainless steel cabinet** – 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 that resists corrosion 50% better than comparable units.
- **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.
- **Copper Tube / Aluminum Fin Coils** – Coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor** – A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Full Port Suction Valve** – This brass valve is easily accessible and simplifies servicing of the refrigeration system.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **Composite Base Pan** – Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Low Pressure Switch** – Loss of charge protection ensures long compressor life. Auto-reset feature prevents nuisance service visits.
- **High Pressure Switch** – Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Liquid Line Filter / Drier** – Included with unit, field installed.
- **One Piece Top/Orifice** – Designed for maximum airflow and quiet operation.
- **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.
- **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

PSH4BE	018K	024K	030K	036K	042K	048K	060K
H	45	45	45	45	45	45	45
W	31 1/4	31 1/4	31 1/4	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	31 1/4	31 1/4	31 1/4



# IDENTIFICATION CODE



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 14 SEER — High Efficiency — Single Phase

Model Number PSH4BE		018K	024K	030K	036K	042K	048K	060K	
Electrical Data	Volts-Cycles-Phase (1)	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	
	Total Amps	11.86	16.34	15.7	16.98	20.82	21.24	27.64	
	Delay Fuse Max. (2)	20	30	30	30	40	45	60	
	Min. Circuit Ampacity	14.1	19.7	18.9	20.5	25.3	26.2	34.2	
Condenser Data	Coil	Area ft <sup>2</sup>	25.4	25.4	25.4	25.4	25.4	25.4	25.4
		Rows-FPI	1-20	1-20	1-20	1-20	1-20	2-16	2-16
		Tube Dia	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.	3/8" O.D.
	Fan Motor	Type	BLDC	BLDC	BLDC	BLDC	BLDC	PSC	PSC
		Amps	2.9	2.9	2.9	2.9	2.9	1.4	1.4
		Watts-HP	1/3	1/3	1/3	1/3	1/3	1/4	1/4
	Fan Blade	Dia-# Blades	24"-2	24"-2	24"-2	24"-2	24"-2	24"-2	24"-2
		SCFM	2800	2800	2800	3400	4000	4000	4000
	Compressor Data	RLA	8.96	13.44	12.8	14.08	17.92	19.84	26.24
		LRA	48	58.3	64	77	112	109	134
Refrigerant suction line O.D.(all length of liquid line are 3/8" O.D.)	0-24 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	
	25-39 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	1 1/8" (3)	1 1/8" (3)	
	40-75 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	1 1/8" (3)	1 1/8" (3)	
Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' line set.		166	166	168	174	256	246	230	
Weight Approximate (lbs.)	Net	179	180	180	182	279	280	290	
	Ship	188	189	189	191	294	295	305	

(1) Operating Voltage Range: 187V min.- 253V max.

(2) HACR Type Circuit Breaker may be used.

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

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

## 14+ SEER — High Efficiency — Single Phase

Outdoor Unit Model Number PSH4BE	Indoor TXV Coil + TDR	Cooling Capacity BTUH	SEER	EER	Heating Capacity BTUH @ 47 F	HSPF	SCFM
018K	C6B(A,H)-X24(C,U)-B	18,000	14	12	19,000	8.0	675
024K	C6B(A,H)-X24(C,U)-B	23,400	14	12	24,000	8.0	750
030K	C6B(A,H)-X30(C,U)-(B,C)	27,200	14	12	29,200	8.0	885
036K	C6B(A,H)-X36(C,U)-C	34,000	14	12	34,400	8.2	1200
042K	C6B(A,H)-X42(C,U)-C	41,500	14	12	40,500	8.2	1325

Outdoor Unit Model Number PSH4BE-	Indoor Unit Model Number PAH4VM-	Cooling Capacity Btu/h	SEER	EER	Heating Capacity Btu/h @ 47°F	HSPF	Nominal SCFM
018K	X24K-(A,B)	19000	15.0	13.5	18800	8.5	675
024K	X24K-(A,B)	23400	15.0	13.5	24600	8.6	675
030K	X30K-B	28400	15.0	13.5	29400	8.7	960
036K	X36K-B	34800	15.0	13.5	33600	8.8	1125
042K	X48K-C	40000	15.5	14.0	38000	9.0	1300
048K	X48K-C	45500	14.0	12.6	44000	8.5	1660
060K	X60K-C	59000	14.0	12.5	52500	8.5	1660

See current AHRI Directory for certified combinations and ratings.

## 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.

### Outdoor Thermostat - 913852

Two stage logic provides ability to lock out electric strips down to balance point and bring on in stages.

### Fan Delay Kit (TDR)

**911758** - 80 second fan delay

# COMFORT ALERT™ DIAGNOSTIC MODULE

**Green POWER LED Indicates Voltage Is Present At The Power Connection Of The Module**

**Pass Through Ports Detect Run/Start Current; Spade Connectors Detect Tstat Demand and Pilot Voltage; Microprocessor Monitors Behavior To Determine Faults**

**Yellow ALERT LED Flashes To Indicate Fault Code**

**Red TRIP LED Indicates If Compressor Is Tripped Or Has No Power**



**Diagnostics Key Directs Service Tech To The Root Cause Of A Problem**



**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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