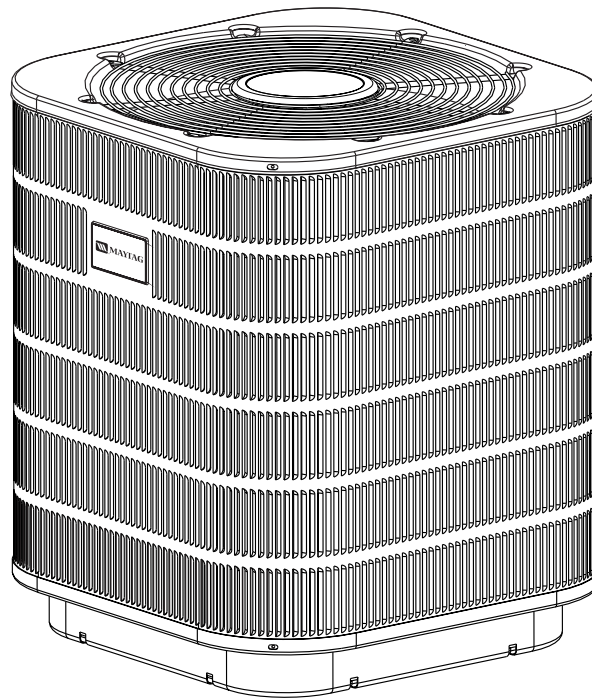




## TECHNICAL SPECIFICATIONS

*Model PSA4BC Series*



M1010 Product Line

**R-410A Extra High Efficiency Air Conditioner  
12 SEER — 2 - 5 Ton Capacity**



- **10 YEAR  
WARRANTY**
- **WORRY-FREE  
PERFORMANCE**
- **5 YEAR  
DEPENDABILITY  
PROMISE**



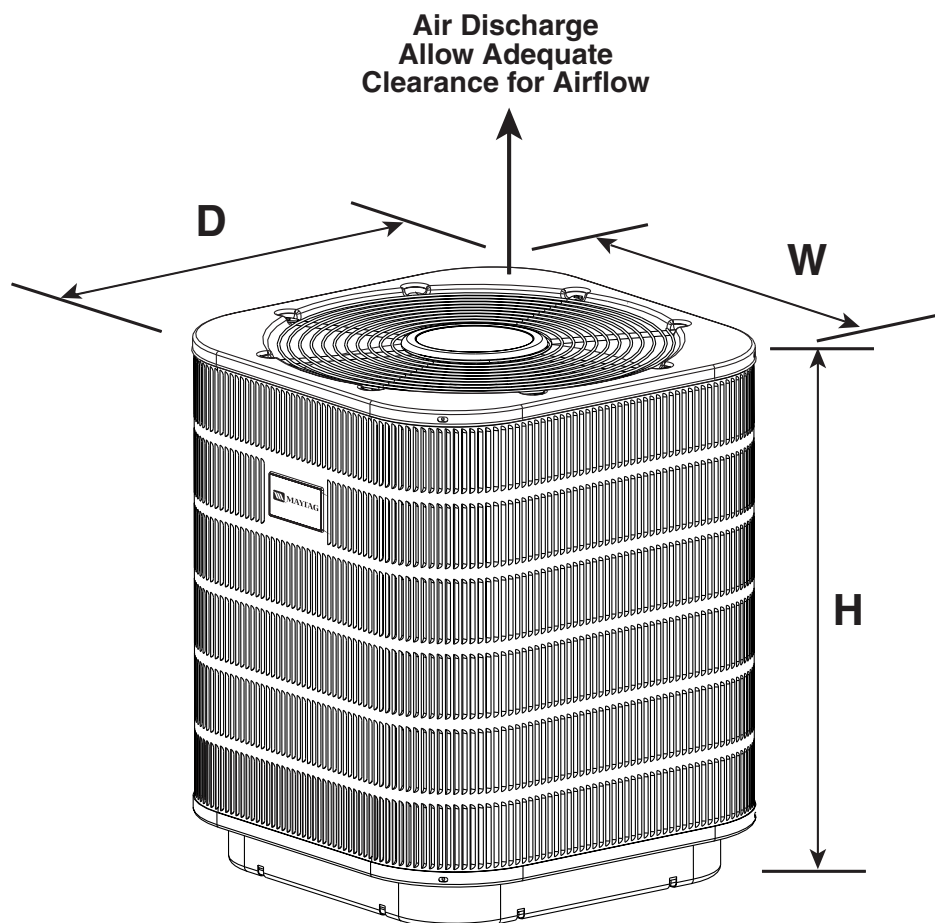
Maytag now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R-410A. The PSA1BC Series of air conditioners offers exceptional performance from a small, compact package. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment. Units are ideally sized for slab or rooftop mounting.

#### Features and Benefits

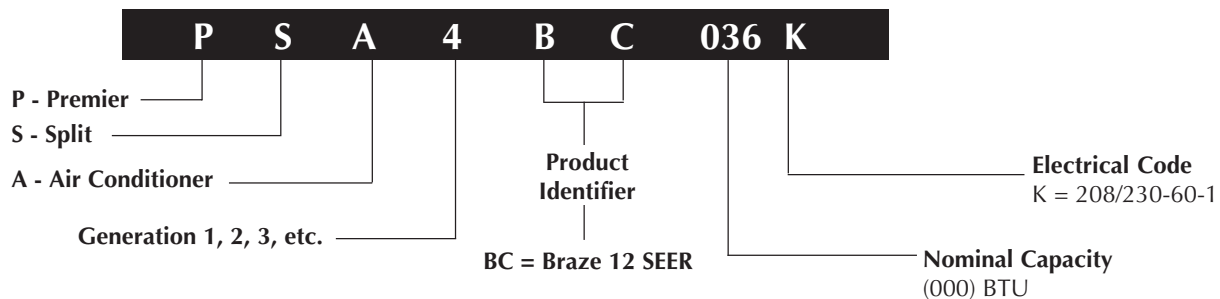
- **Smart Cool 410™ Refrigerant (R-410A)** – Earth friendly non-ozone depleting refrigerant.
- **Durable attractive stainless steel cabinet** – Durable brushed stainless steel protects the coil from yard hazards and extreme weather. Unit is trimmed in a silicone-protected polyester finish with a 950 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 on large footprint (30 1/2" x 30 1/2") models. 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 Service Valves** – These brass valves are easily accessible and simplify servicing of the refrigeration system.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **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.
- **2-1/2" Pedestal Base** – The sturdy base keeps the bottom of the coil out of harms way. Secondly, the base has weep holes along the edge to allow the water from rain to flow away from the unit.
- **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.
- **10 Year Residential Parts and Labor Warranty and 5 Year Dependability Promise**  
The best warranty in the business.

## DIMENSIONS/OUTDOOR SECTION

PSA4BC	018	024	030	036	042	048	060
H	26 1/2	30 1/2	26 1/2	26 1/2	30 1/2	34 1/2	42 1/2
W	22 1/2	22 1/2	30 1/2	30 1/2	30 1/2	30 1/2	30 1/2
D	22 1/2	22 1/2	30 1/2	30 1/2	30 1/2	30 1/2	30 1/2



## IDENTIFICATION CODE



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 12 SEER — Extra High Efficiency — Single Phase

Model Number PSA4BC		018	024	030	036	042	048	060	
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	10.6	9.6	12.8	16.1	17.4	19.6	30.2	
	Delay Fuse Max. (2)	20	20	25	30	35	40	60	
	Min. Circuit Ampacity	13.1	11.9	15.8	19.8	21.4	24.2	37.4	
Condenser Data	Coil	Area	9.9	11.5	15.2	15.2	17.7	20.3	25.4
		Rows-FPI	1-22	1-22	1-22	1-22	1-22	1-22	1-22
		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	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.34	0.67	1.0	1.4	1.4	1.4	1.4
		Watts-HP	0.1	0.25	0.25	0.25	0.25	0.25	0.25
	Fan Blade	Dia-# Blades	18"-3	18"- 3	24"- 2	24"- 2	24"- 2	24"- 2	24"- 2
		SCFM	2100	2400	3600	3600	3700	3900	4000
	Compressor Data	RLA	10.2	9	11.8	14.7	16	18.2	28.8
		LRA	51	51	59	75	84	103	145
Refrigerant suction line O.D.(all length of liquid line are 3/8" O.D.)	0-24 ft.	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	
	25-39 ft.	3/4"	3/4"	3/4"	7/8" (4)	7/8"	7/8"	1-1/8" (5)	
	40-75 ft.	3/4"	3/4"	3/4"	7/8" (4)	7/8"	7/8"	1-1/8" (5)	
Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' lineset.		75	78	94	96	105	136	154	
Weight	Net	98	104	128	142	174	186	238	
	Approximate (lbs.)	Ship	106	113	137	151	186	198	250

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.

\* Values shown are most severe and may vary slightly depending on the make of the compressor supplied.

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires 3/4" to 5/8" reducer from unit to line.

(4) Requires 7/8" to 3/4" reducer from line to unit.

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

## SYSTEM HEATING & COOLING CAPACITIES

### 12 SEER — Extra High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	BTUH	SEER	SCFM	Orifice <sup>1</sup>
PSA4BC-018K	C3B(A,H)-030(C,U)A	18000	12.00	600	0.045
PSA4BC-024K	C3B(A,H)-030(C,U)A	24000	12.00	850	0.055
PSA4BC-024K	C3BA-030(C,U)B	24000	12.00	850	0.055
PSA4BC-030K	C3B(A,H)-036(C,U)A/B	29600	12.00	950	0.060
PSA4BC-036K	C3B(A,H)-042(C,U)B	36000	12.00	1250	0.067
PSA4BC-042K	C3B(A,H)-048(C,U)B	40200	12.00	1250	0.070
PSA4BC-048K	C3B(A,H)-060(C,U)C	48000	12.00	1600	0.075
PSA4BC-060K	C3B(A,H)-060(C,U)C	60000	12.00	1650	0.085

Outdoor Unit	Indoor Unit	BTUH	SEER	SCFM	Orifice <sup>1</sup>
PSA4BC-018K	PAH1BM-030K-A	18000	12.00	600	0.045
PSA4BC-024K	PAH1BM-030K-A/B	24000	12.00	850	0.055
PSA4BC-030K	PAH1BM-036K-A/B	28600	12.00	850	0.060
PSA4BC-036K	PAH1BM-042K-B	35000	12.00	1125	0.067
PSA4BC-042K	PAH1BM-048K-B	40000	12.00	1325	0.070
PSA4BC-048K	PAH1BM-062K-C	48000	12.00	1540	0.075
PSA4BC-060K	PAH1BM-062K-C	59000	12.00	1650	0.085
PSA4BC-060K	PAH1BM-066K-C	60000	12.00	1850	0.085

<sup>1</sup>Orifice supplied with outdoor unit.

See current ARI 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.

### Fan Delay Kit (TDR)

911758 - 80 second fan delay

### Outdoor Thermostat - 913852

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

# SYSTEM HEATING & COOLING CAPACITIES

## 13 SEER — Extra High Efficiency

Outdoor Unit	Indoor Unit	BTUH	SEER	SCFM	Orifice <sup>1</sup>
PSA4BC-018K	C3BA-030(C,U)-B + VSB	18000	13.00	600	0.045
PSA4BC-024K	C3B(A,H)-036(C,U)-B + VSB	24000	13.00	800	0.055
PSA4BC-030K	C3B(A,H)-036(C,U)-B + VSB	30000	13.00	850	0.060
PSA4BC-036K	C3B(A,H)-048(C,U)-B + VSB	36000	13.00	1250	0.067
PSA4BC-042K	C3B(A,H)-048(C,U)-B + VSB	40600	13.00	1250	0.070
PSA4BC-048K	C3B(A,H)-060(C,U)-C + VSB	48000	13.00	1600	0.075
PSA4BC-060K	C3B(A,H)-060(C,U)-C + VSB	60000	13.00	1600	0.085

Outdoor Unit	Indoor Unit	BTUH	SEER	SCFM	Orifice <sup>1</sup>
PSA4BC-018K	PAH1BM-030K-B + VSB	18000	13.00	600	0.045
PSA4BC-024K	PAH1VM-036K-B	24000	13.00	800	0.055
PSA4BC-024K	PAH1BM-030K-B + VSB	24400	13.00	800	0.055
PSA4BC-030K	PAH1VM-036K-B	29200	13.00	850	0.060
PSA4BC-030K	PAH1BM-030K-B + VSB	29200	13.00	850	0.060
PSA4BC-036K	PAH1VM-048K-B	36000	13.00	1050	0.067
PSA4BC-036K	PAH1BM-042K-B + VSB	35400	13.00	1050	0.067
PSA4BC-042K	PAH1VM-048K-B	40400	13.00	1250	0.070
PSA4BC-048K	PAH1VM-062K-C	48500	13.00	1540	0.075
PSA4BC-060K	PAH1VM-062K-C	59500	13.00	1600	0.085
PSA4BC-060K	PAH1VM-066K-C	60000	13.00	1850	0.085

<sup>1</sup>Orifice supplied with outdoor unit.

See current ARI Directory for certified combinations and ratings.



CERTIFICATION APPLIES ONLY  
WHEN THE COMPLETE  
SYSTEM IS LISTED  
WITH ARI

We Encourage  
Professionalism



Through Technician  
Certification by NATE



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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