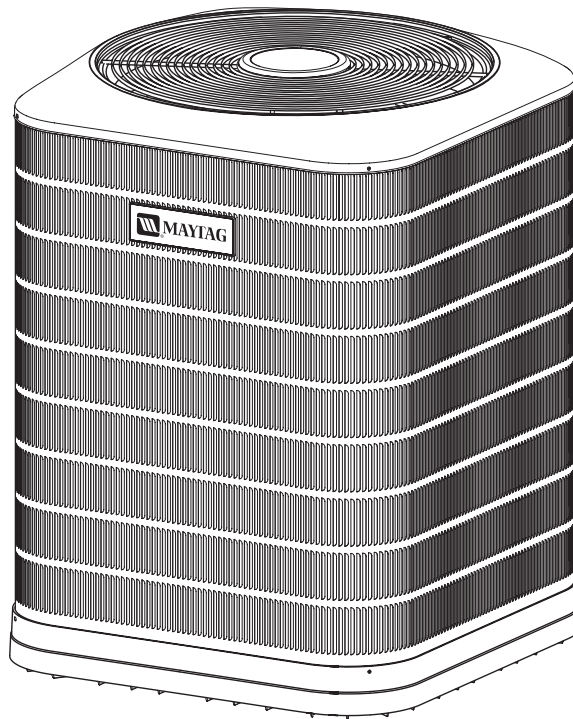




## TECHNICAL SPECIFICATIONS

*Model PSA4BD Series*



M1010 Product Line

**R-410A High Efficiency Air Conditioner  
13 SEER — 1.5 - 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 PSA4BC Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.

#### 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. 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.
- **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.
- **ComfortAlert™ Module** – Detects system and electrical problem conditions. A diagnostics key directs the service technician to the root cause of a problem.
- **10 Year Residential Parts and Labor Warranty and 5 Year Dependability Promise** – The best warranty in the business.



# PHYSICAL AND ELECTRICAL SPECIFICATIONS/OUTDOOR UNITS

## 13 SEER — High Efficiency

Model Number PSA4BD-		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	9.3	14.44	15.08	17.64	19.32	23.16	27.64	
	Delay Fuse Max. (2)	20	30	30	35	40	45	50	
	Min. Circuit Ampacity	11.54	17.8	18.6	21.8	23.8	28.6	34.2	
Condenser Data	Coil	Area	13.2	17.5	20.3	22.8	22.8	25.4	25.4
		Rows-FPI	1 - 22	1 - 22	1 - 22	1 - 22	1 - 22	1 - 22	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	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.34	1	1	1	1.4	1.4	1.4
		Watts-HP	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Fan Blade	Dia-# Blades	18" - 3	24" - 2	24" - 2	24" - 2	24" - 2	24" - 2	24" - 2
		SCFM	2600	3000	3200	3300	3600	3800	3800
	Compressor Data	RLA	10	15	15.7	18.6	20	24.3	29.3
		LRA	48	58.3	73	77	112	117	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"	3/4"	7/8"	7/8"	7/8"	
	25-39 ft.	3/4"	3/4"	3/4"	7/8" (3)	7/8"	7/8"	1-1/8" (4)	
	40-75 ft.	3/4"	3/4"	3/4"	7/8" (3)	7/8"	7/8"	1-1/8" (4)	
Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' lineset.		83	96	117	125	144	149	248	
Weight	Net	157	166	171	176	176	181	223	
Approximate (lbs.)	Ship	165	175	180	185	185	190	235	

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

(2) HACR Type Circuit Breakers may be used.

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

(4) 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
200	150	100	50	Ampacity
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

## 13 SEER — High Efficiency — Single Phase

Outdoor Unit Model Number PSA4BD	Indoor Unit	BTUH	SEER	EER	SCFM	Required Orifice (1)
018K	C5B(A,H)-024(U,C)-A	18000	13	11.6	550	0.049
024K	C5B(A,H)-024(U,C)-(A,B)	24000	13	12.3	800	0.055
030K	C5B(A,H)-030(U,C)-(A,B)	30000	13	12.3	950	0.062
036K	C5B(A,H)-036(U,C)-B	34400	13	12.3	1100	0.069
042K	C5B(A,H)-042(U,C)-B	41600	13	12.1	1300	0.073
048K	C5B(A,H)-048(U,C)-(B,C)	48000	13	12.1	1400	0.082
060K	C5B(A,H)-060(U,C)-C	60000	13	11.5	1700	0.087

Outdoor Unit Model Number PSA4BD	Indoor Unit	BTUH	SEER	EER	SCFM	Required Orifice (1)
018K	PAH2BM024K,A	18,000	13	11.6	550	0.049
024K	PAH2BM024K,A	24000	13	12.3	800	0.055
024K	PAH2BM024K,B	24000	13	12.3	800	0.055
030K	PAH2BM030K,A	30000	13	12.3	950	0.062
030K	PAH2BM030K,B	30000	13	12.3	950	0.062
036K	PAH2BM036K,B	34400	13	12.3	1100	0.069
042K	PAH2BM042K,B	41000	13	12.1	1300	0.073
048K	PAH2BM048K,C	48000	13	12.1	1400	0.082
060K	PAH2BM060K,C	60000	13	11.5	1700	0.087

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

See current ARI Directory for certified combinations and ratings. All ratings are with time delay relay.

## 14 SEER — High Efficiency — Single Phase

Outdoor Unit Model Number PSA4BD	Indoor Unit	BTUH	SEER	EER	SCFM	Required Orifice (1)
018K	C5B(A,H)-024(C,U)-B+VSB-B	18400	14	12.8	550	0.049
024K	C5B(A,H)-024(C,U)-B+VSB-B	24400	14	13.8	800	0.055
030K	C5B(A,H)-030(C,U)-B+VSB-B	30400	14	13.6	950	0.062
036K	C5B(A,H)-036(C,U)-B+VSB-B	35000	14	13.4	1100	0.069
042K	C5B(A,H)-048(C,U)-C+VSB-C	42500	14	13.4	1300	0.073
048K	C5B(A,H)-048(C,U)-C+VSB-C	48500	14	13.1	1400	0.082
060K	C5B(A,H)-060(C,U)-C+VSB-C	60500	14	12.1	1700	0.087

Outdoor Unit Model Number PSA4BD	Indoor Unit	BTUH	SEER	EER	SCFM	Required Orifice (1)
018K	PAH2VM024K-B	18400	14	12.8	550	0.049
024K	PAH2VM024K-B	24400	14	13.8	800	0.055
030K	PAH2VM030K-B	30400	14	13.6	950	0.062
036K	PAH2VM036K-B	35000	14	13.4	1100	0.069
042K	PAH2VM048K-C	42500	14	13.4	1300	0.073
048K	PAH2VM048K-C	48500	14	13.1	1400	0.082
060K	PAH2VM060K-C	60500	14	12.1	1700	0.087

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

See current ARI Directory for certified combinations and ratings. All ratings are with time delay relay.

## 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

# 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



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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