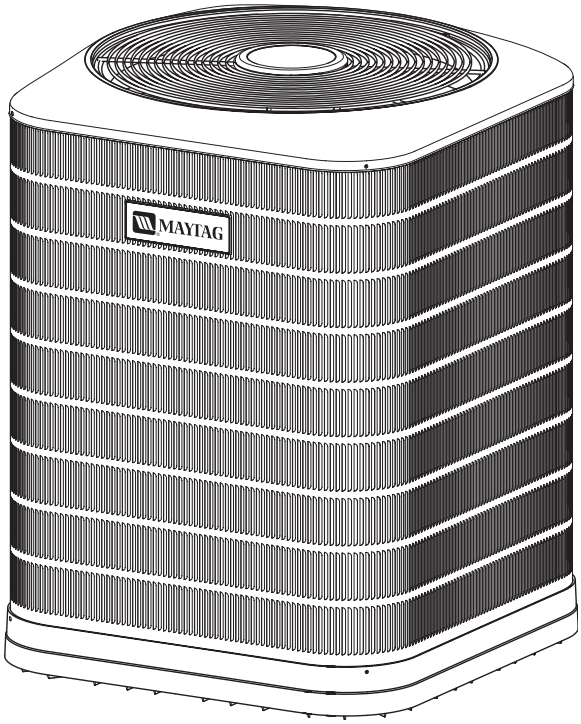
MAYTAG®

TECHNICAL SPECIFICATIONS

Model PSA2BD-KA Series



M1200 Product Line

High Efficiency Air Conditioner
13+ 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.maytaghvac.com or ask your sales representative.**
- **Dealer is responsible for registration of labor portion of warranty.**

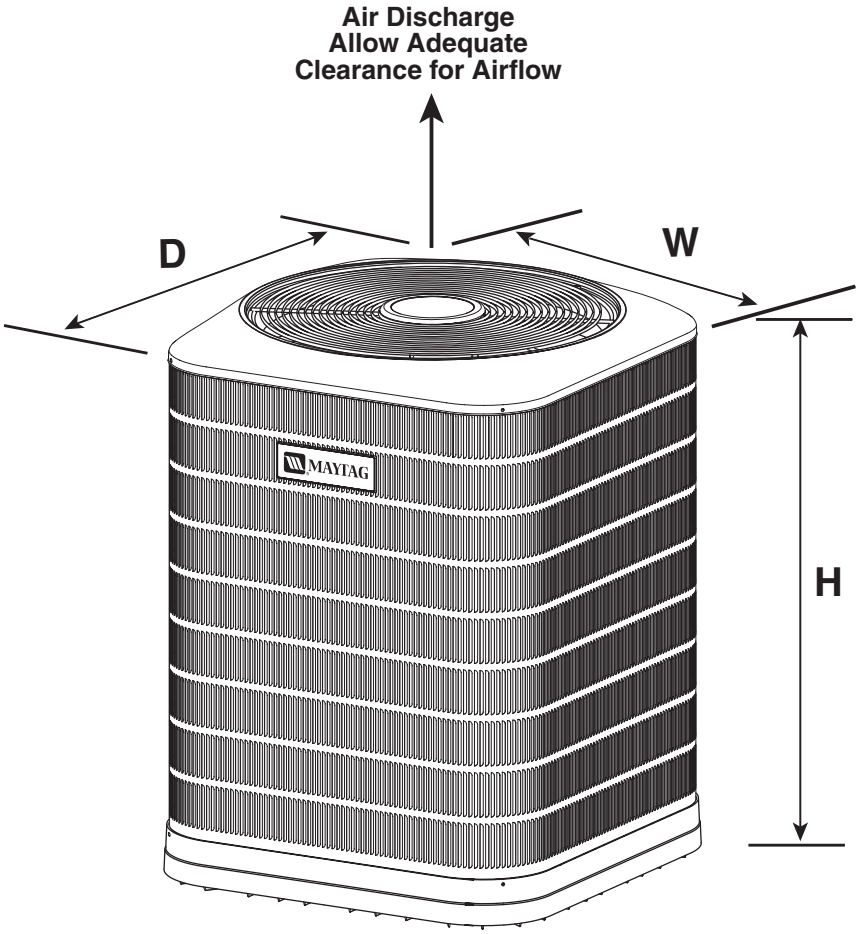
The PSA2BD Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment. The PSA2BD is rated at 13 SEER when matched with our multi speed air handler or furnace. When matched with our variable speed air handler, or our variable speed blower kits, the PSA2BD is rated up to 14 SEER.

Features and Benefits

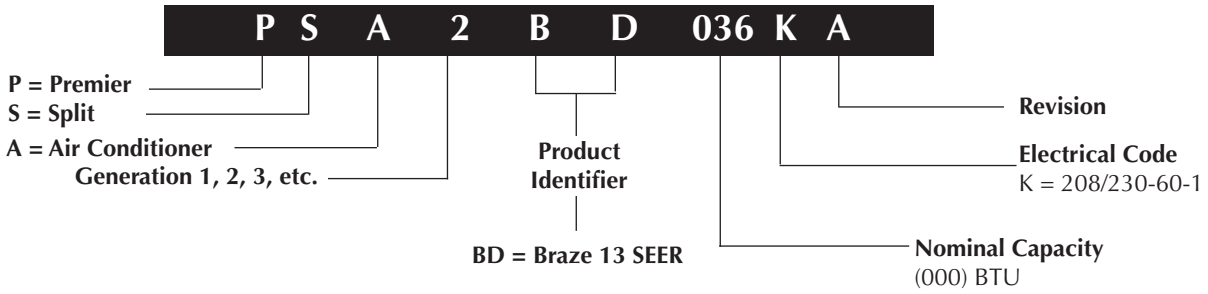
- **Durable Attractive Stainless Steel Cabinet –** Durable brushed stainless steel protects the coil from yard hazards and extreme weather. Unit is trimmed in a silicone-protected polyester finish with a 950 hour salt spray that resists corrosion 50% better than comparable units.
- **Quiet Plus™ Compressor Sound Blanket –** Engineered to significantly reduce unwanted noise.
- **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 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.
- **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.

DIMENSIONS/OUTDOOR SECTION

PSA2BD-	018KA	024KA	030KA	030KB	036KA	036KB	042KA	048KA	060KA
H	24-1/4	28-1/4	36-1/4	28-1/4	36-1/4	28-1/4	33	33	45
W	23-1/4	23-1/4	23-1/4	23-1/2	23-1/4	23-1/4	31-1/4	31-1/4	31-1/4
D	23-1/4	23-1/4	23-1/4	23-1/2	23-1/4	23-1/4	31-1/4	31-1/4	31-1/4



IDENTIFICATION CODE



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

13+ SEER — High Efficiency — Single Phase

Model Number PSA2BD-			018KA	024KA	030KA	030KB	036KA	036KB	042KA	048KA	060KA
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	208/230-60-1	208/230-60-1
	Total Amps		8.0	11.1	14.8	14.8	15.6	15.6	16.1	20.6	26.7
	Delay Fuse Max. *(2)*		15	20	30	30	30	30	30	40	50
	Min. Circuit Ampacity		10.0	13.7	18.3	18.3	19.2	19.2	19.8	25.4	33.0
Component Data	Coil	Area	8.23	9.88	13.22	9.88	13.22	9.88	17.74	17.74	25.42
		Rows-FPI	1 - 22	1 - 22	1 - 22	1 - 18	1 - 22	1 - 18	1 - 22	1 - 22	1 - 22
		Tube Dia	3/8″ O.D.	3/8″ O.D.	3/8″ O.D.	MC	3/8″ O.D.	MC	3/8″ O.D.	3/8″ O.D.	3/8″ O.D.
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.34	0.67	0.67	0.67	1.20	1.20	1.40	1.40	1.40
		HP	1/20	1/10	1/10	1/10	1/4	1/4	1/4	1/4	1/4
	Fan Blade	Dia-# Blades	18″ - 2	18″ - 3	18″ - 3	18″ - 3	18″ - 3	18″ - 3	24″ - 2	24″ - 2	24″ - 2
		SCFM	1410	1985	3000	3000	3000	3000	4000	4000	4000
	Compressor Data	RLA	7.7	10.4	14.1	14.1	14.4	14.4	14.7	19.2	25.3
		LRA	40	54	68	68	77	77	77	97	141
Refrigerant suction line-Length/O.D. (Liq. Line All Lengths - 3/8″ O.D.)		0-24 ft.	3/4″	3/4″	3/4″	3/4″	3/4″	3/4″	7/8″	7/8″	7/8″
		25-39 ft.	3/4″	3/4″	7/8″ *(3)*	7/8″ *(3)*	7/8″ *(3)*	7/8″ *(3)*	7/8″	7/8″	1-1/8″ *(4)*
		40-75 ft.	3/4″	3/4″	7/8″ *(3)*	7/8″ *(3)*	7/8″ *(3)*	7/8″ *(3)*	7/8″	1-1/8″ *(4)*	1-1/8″ *(4)*
Refrigerant charge in Ounces (Outdoor unit, Indoor Unit 15′ Line Set)			78	88	99	99	110	110	122	126	160
Weight		Net	103	112	124	105	124	105	156	176	229
Approximate (lbs.)		Ship	107	117	129	109	129	109	162	183	238

(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.

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.

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

13+ SEER — High Efficiency — Single Phase

Outdoor Unit	Indoor TXV Coil + TDR	Cooling Capacity BTUH	SEER	EER	SCFM
018KA	C6B(A,H)-T24(C,U)-A	17,800	13.0	11.9	550
018KA	C6B(A,H)-T24(C,U)-B	17,800	13.0	11.9	550
024KA	C6B(A,H)-T24(C,U)-A	23,800	13.0	11.5	700
024KA	C6B(A,H)-T24(C,U)-B	23,800	13.0	11.5	700
030KA	C6B(A,H)-T30(C,U)-A	29,000	13.0	11.5	900
030KA	C6B(A,H)-T30(C,U)-B	29,000	13.0	11.5	900
036KA	C6B(A,H)-T36(C,U)-B	36,000	13.0	11.4	1100
036KA	C6B(A,H)-T36(C,U)-C	36,000	13.0	11.4	1100
042KA	C6B(A,H)-T42(C,U)-B	39,500	13.0	11.9	1300
042KA	C6B(A,H)-T42(C,U)-C	39,500	13.0	11.9	1300
048KA	C6B(A,H)-T48(C,U)-C	46,500	13.0	11.3	1550
048KA	C6B(A,H)-T48(C,U)-D	46,500	13.0	11.3	1550
060KA	C6B(A,H)-T60(C,U)-C	58,500	13.0	11.7	1600
060KA	C6B(A,H)-T60(C,U)-D	58,500	13.0	11.7	1600

Outdoor Unit	Indoor TXV Coil + TDR	Cooling Capacity BTUH	SEER	EER	SCFM
018KA	C5B(A,H)-T25(C,U)-A	17,700	13.0	11.8	525
024KA	C5B(A,H)-T25(C,U)-A	24,000	13.0	11.8	700
024KA	C5B(A,H)-T25(C,U)-B	24,000	13.0	11.8	700
030KA	C5B(A,H)-T30(C,U)-A	28,600	13.0	11.3	890
030KA	C5B(A,H)-T30(C,U)-B	28,600	13.0	11.3	890
036KA	C5B(A,H)-T37(C,U)-B	35,800	13.0	11.4	1,080
042KA	C5B(A,H)-T42(C,U)-B	40,000	13.0	11.9	1,400
048KA	C5B(A,H)-T48(C,U)-B	45,500	13.0	11.5	1,400
048KA	C5B(A,H)-T49(C,U)-C	47,500	13.0	11.9	1,400
060KA	C5B(A,H)-T60(C,U)-C	57,000	13.0	11.2	1,600

Outdoor Unit	Indoor TXV Air Handler B5BM-	Cooling Capacity BTUH	SEER	EER	SCFM
018KA	T25K-A	17,700	13.0	11.8	525
024KA	T25K-A	24,000	13.0	11.8	700
024KA	T25K-B	24,000	13.0	11.8	700
030KA	T30K-A	28,600	13.0	11.3	890
030KA	T30K-B	28,600	13.0	11.3	890
036KA	T37K-B	35,800	13.0	11.4	1,080
042KA	T42K-B	40,000	13.0	11.9	1,400
048KA	T49K-C	47,500	13.0	11.9	1,400
060KA	T60K-C	57,000	13.0	11.2	1,600

(1) Field Supplied Piston
LLS = Liquid Line Solenoid
TDR = Time Delay Relay included with G6* furnace and air handler
VSB = Variable Speed Blower

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

See Current ARI Directory for certified combinations and ratings.

SYSTEM HEATING & COOLING CAPACITIES (continued)

14 SEER — High Efficiency — Single Phase

Outdoor Unit	Indoor TXV Coil + TDR	Cooling Capacity BTUH	SEER	EER	SCFM
018KA	C5B(A,H)-T25(U,C)-B+VSB-B	17,700	14.0	12.6	720
024KA	C5B(A,H)-T25(U,C)-B+VSB-B	24,000	14.0	13.2	720
030KA	C5B(A,H)-T30(U,C)-B+VSB-B	28,600	14.0	12.4	885
036KA	C5B(A,H)-T37(U,C)-B+VSB-B	35,800	14.0	12.2	1,060
042KA	C5B(A,H)-T48(U,C)-C+VSB-C	40,000	14.0	13.1	1,380
048KA	C5B(A,H)-T49(U,C)-C+VSB-C	47,500	14.0	12.8	1,380
060KA	C5B(A,H)-T60(U,C)-C+VSB-C	57,000	14.0	12.0	1,555

Outdoor Unit	Indoor TXV Air Handler B5VM-	Cooling Capacity BTUH	SEER	EER	SCFM
018KA	T25K-B	17,700	14.0	12.6	720
024KA	T25K-B	24,000	14.0	13.2	720
030KA	T30K-B	28,600	14.0	12.4	885
036KA	T37K-B	35,800	14.0	12.2	1,060
042KA	T49K-C	40,000	14.0	13.1	1,380
048KA	T49K-C	47,500	14.0	12.8	1,380
060KA	T60K-C	57,000	14.0	12.0	1,555

Outdoor Unit	Indoor TXV Air Handler B5BM-	Cooling Capacity BTUH	SEER	EER	SCFM
018KA	T25K-B+VSB-B	17,700	14.0	12.6	720
024KA	T25K-B+VSB-B	24,000	14.0	13.2	720
030KA	T30K-B+VSB-B	28,600	14.0	12.4	885
036KA	T37K-B+VSB-B	35,800	14.0	12.2	1,060
042KA	T49K-C+VSB-C	40,000	14.0	13.1	1,380
048KA	T49K-C+VSB-C	47,500	14.0	12.8	1,380
060KA	T60K-C+VSB-C	57,000	14.0	12.0	1,555

(1) Field Supplied Piston
LLS = Liquid Line Solenoid
TDR = Time Delay Relay included with G6* furnace and air handler
VSB = Variable Speed Blower

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

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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

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

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

We Encourage Professionalism

Through Technician Certification by NATE

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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