

## **JS4BD 13 SEER 3 Phase Light Commercial R-410A High Efficiency Air Conditioners 3, 4, 5 Ton Capacities**

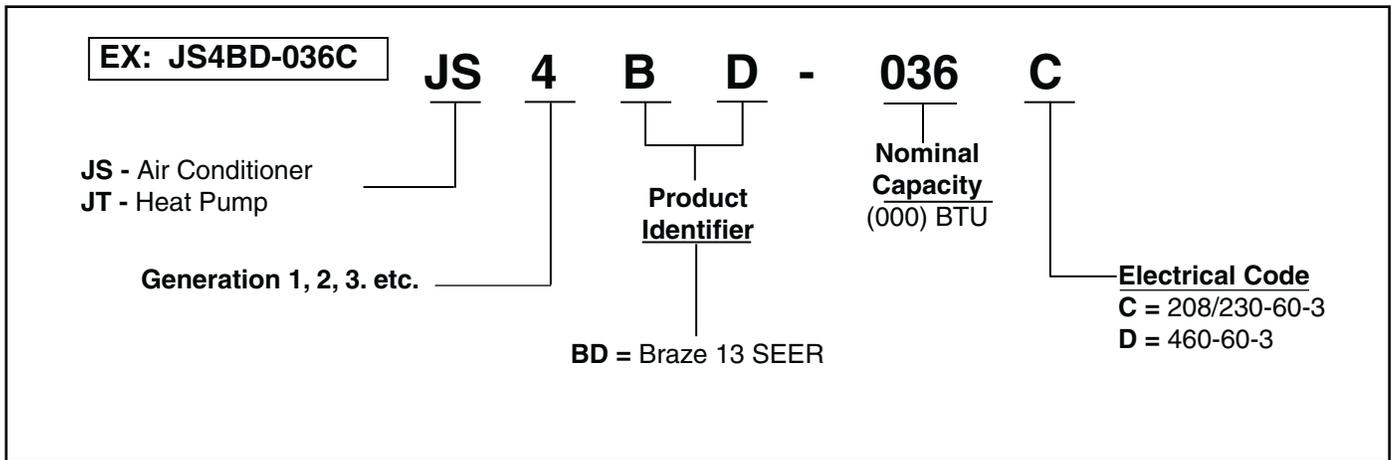
The JS4BD Series of air conditioners offers exceptional performance with environmentally friendly R-410A refrigerant. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment. Units are ideally sized for slab or rooftop mounting in light commercial applications.

### **FEATURES and BENEFITS**

- **Designed using galvanized steel** – with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Composite Base Pan** – Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Copper Tube / Aluminum Fin Coils** – Both indoor and outdoor 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.
- **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.
- **Removable Top Grille Assembly** – Allows ease of service from the top without disconnecting fan motor leads.
- **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.
- **Complete metal wrapper** – Protects the unit coil from being damaged.
- **Warranty** – One year commercial parts, 5 year compressor warranty.

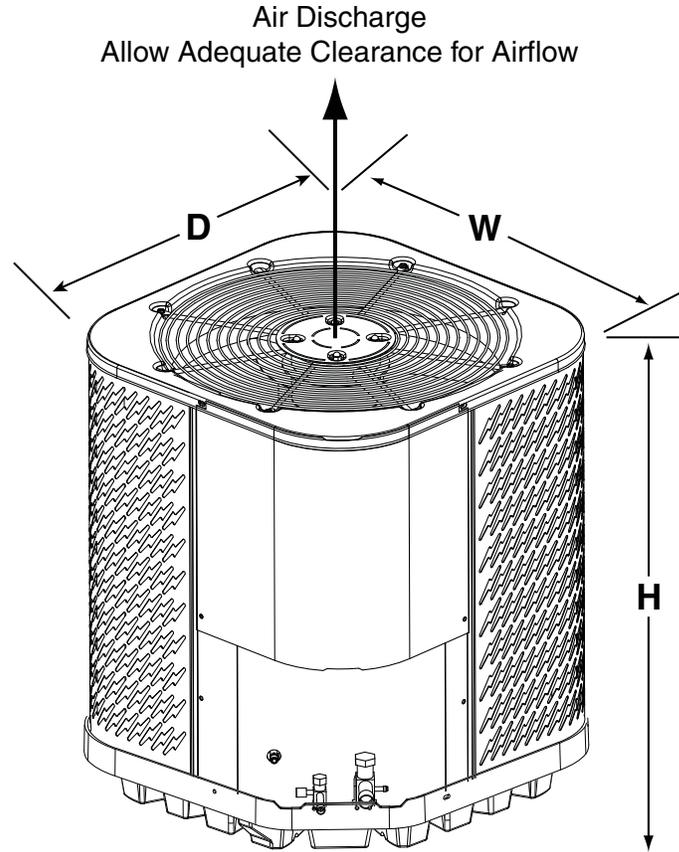


## MODEL IDENTIFICATION CODES



## DIMENSIONS OUTDOOR SECTION

JS4BD	036C/D	048C/D	060C/D
H	35	31	43
W	22-3/4	30-3/4	30-3/4
D	22-3/4	30-3/4	30-3/4



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 13 SEER — High Efficiency — Three Phase

Model No. JS4BD-		036C	048C	060C	036D	048D	060D	
<b>Electrical Data</b>	Volts-Cycles-Phase (1)	208/230-60-3	208/230-60-3	208/230-60-3	460-60-3	460-60-3	460-60-3	
	Total Amps	11.5	15.1	17	6.5	6.9	8.4	
	Delay Fuse Max. (2)	15	30	35	15	15	15	
	Min. Circuit Ampacity	14.2	18.5	20.9	7.9	8.5	10.4	
<b>Component Data</b>	Coil	Area	13.2	17.7	25.3	13.2	17.7	25.3
		Rows-FPI	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.
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	1.2	1.4	1.4	0.7	0.7	0.7
		HP	1/8	1/4	1/4	1/4	1/4	1/4
	Fan Blade	Dia.-#Blades	18 in. - 4	24 in. - 3	24 in. - 3	18 in. - 4	24 in. - 3	24 in. - 3
		SCFM	2500	3000	4000	2500	3800	3800
	Compressor Data*	RLA	10.4	13.7	15.6	5.8	6.2	7.7
		LRA	73	83.1	110	38	41	52
<b>Refrigerant Suction Line-Length/ O.D. (all length of liquid line are 3/8" O.D.)</b>	0-24 ft.	3/4"	7/8"	7/8"	3/4"	7/8"	7/8"	
	25-39 ft.	3/4"	7/8"	1-1/8" (5)	3/4"	7/8"	1-1/8" (5)	
	40-75 ft.	7/8"	7/8"	1-1/8" (5)	7/8"	7/8"	1-1/8" (5)	
<b>Refrigerant Charge (R-410A) in ounces for outdoor unit, indoor unit and 15' lineset.</b>		104	127	160	104	127	160	
<b>Weight Approximate (lbs.)</b>	Net	128	166	190	190	190	190	
	Ship	134	178	202	202	202	202	

- (1) Operating voltage range: 208/230 volts 187 V minimum - 253 V maximum  
460 volts 414 V minimum - 506 V maximum
- (2) HACR type circuit breakers may be used
- (3) Requires 3/4" to 5/8" reducer from unit to lineset.
- (4) Requires 7/8" to 3/4" reducer from unit to lineset.
- (5) Requires 1-1/8 to 7/8" reducer from unit to lineset.

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
2	3	4	6	55
1	2	3	4	60

Wire Size based on N.E.C. for 60° type copper conductors.

## ACCESSORIES

Low Ambient	918837
Fan Delay Kit	911758
Low Pressure Switch	913551
High Wind Kit	920900
Mammoth Logo Kit for GB5 Air Handlers or package equipment	904196

# SYSTEM COOLING CAPACITIES

## 13 SEER — High Efficiency — Three Phase

Outdoor Unit	With This Coil + TDR				
Model Number JS4BD	Coil C6B(A,H)	Cooling Btuh	SEER	EER	Nominal CFM
036(C,D)A	X35(C,U)-(A,B)	34,600	13	11.5	950
036(C,D)A	X36(C,U)-(B,C)	35,600	13	11.3	1100
048(C,D)A	X48(C,U)-(C,D)	46,500	13	11.2	1400
060(C,D)A	X60(C,U)-(C,D)	58,500	13	11	1600

Outdoor Unit	With This Coil + TDR				
Model Number JS4BD	Coil C6BAH	Cooling Btuh	SEER	EER	Nominal CFM
036(C,D)A	F36(C,U)-(A,B)+TDR+TXV-X3.0	34,600	13	11.5	950
036(C,D)A	F42(C,U)-B+TDR+TXV-X3.0	35,000	13	11.3	1100
036(C,D)A	F48(C,U)-C+TDR+TXV-X3.0	35,600	13	11.3	1100
048(C,D)A	F48(C,U)-C+TDR+TXV-X4.0	46,500	13	11.2	1400
048(C,D)A	F60(C,U)-(C,D)+TDR+TXV-X4.0	46,500	13	11.2	1400
060(C,D)A	F60(C,U)-(C,D)+TDR+TXV-X5.0	58,500	13	11.00	1600

Outdoor Unit	With This Air Handler				
Model Number JS4BD	GB5BM	Cooling Btuh	SEER	EER	Nominal CFM
036(C,D)	X36K-(A,B)	34,600	13	11.5	1100
048(C,D)	X48K-B	47,000	13	11.5	1400
060(C,D)	X60K-C	58,000	13	11.5	1600

See current AHRI Directory for certified combinations and ratings.

[www.ahridirectory.org](http://www.ahridirectory.org)



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O'Fallon, MO

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COMPLETE COMFORT. GENUINE VALUE.

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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