

## TECHNICAL SPECIFICATIONS

# JS5BD-KA/B Series

## High Efficiency R22 Air Conditioner 13+ SEER Residential System 1.5 - 5 Ton Capacity

The JS5BD Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a line of quality, split system cooling equipment. The JS5BD is rated at 13 SEER when matched with our air handler and coils. Units are ideally sized for slab or rooftop mounting.



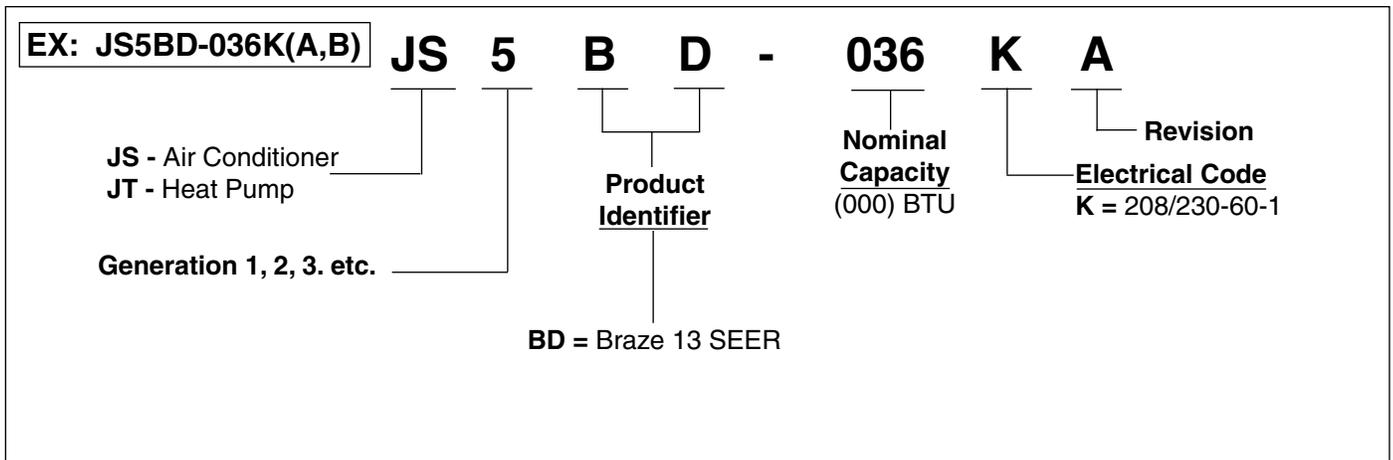
## WARRANTY

- This product offers a 5-year parts warranty.
- 5-year compressor warranty

## FEATURES and BENEFITS

- **Durable, Attractive Cabinet:** Designed using galvanized steel with a polyester urethane finish. The 950 hour salt spray finish is 1.5 mil thick and resists corrosion 50% better than comparable units.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **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.
- **Complete Metal Wrapper:** Protects the units coil from being damaged.
- **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.
- **POE Oil Compressor:** Suitable for R22 or 407C refrigerants.
- **Air Conditioner:** Shipped with dry nitrogen charge.

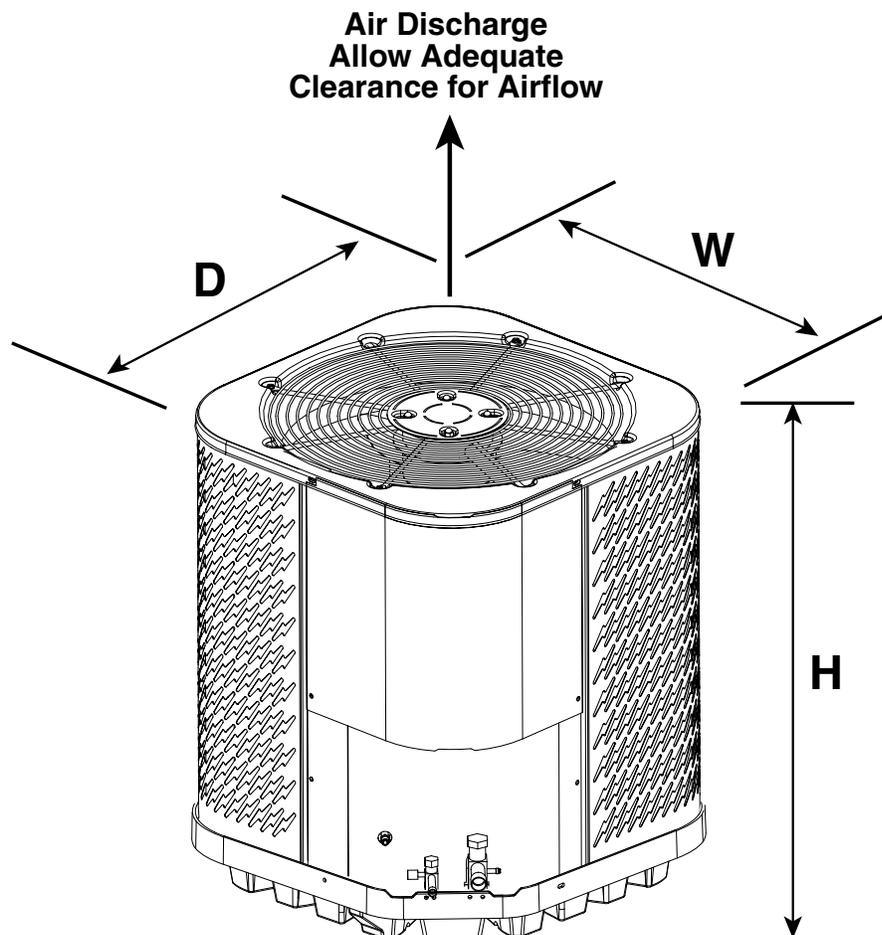
## MODEL IDENTIFICATION CODES



## DIMENSIONS

### AIR CONDITIONER OUTDOOR SECTION

JS5BD-	018KA	024KB	030KB	036KB	042KA	048KA	060KA
H	23	23	27	27	31	31	43
W	22-3/4	22-3/4	22-3/4	22-3/4	30-3/4	30-3/4	30-3/4
D	22-3/4	22-3/4	22-3/4	22-3/4	30-3/4	30-3/4	30-3/4



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 13+ SEER — High Efficiency — Single Phase

Model Number JS5BD-		018KA	024KB	030KB	036KB	42KA	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	
	Total Amps	8.7	11.5	14.1	16.8	16.2	21.3	26.7	
	Delay Fuse Max. (2)	15	20	30	35	30	45	50	
	Min. Circuit Ampacity	10.8	14.1	17.5	20.6	19.9	26.3	33.1	
Component Data	Coil	Area	8.2	9.9	9.9	9.9	17.7	17.7	25.4
		Rows-FPI	1 - 22	1 - 18	1 - 18	1 - 18	1 - 22	1 - 22	1 - 22
		Tube Dia	3/8" O.D.	Micro Channel	Micro Channel	Micro Channel	3/8" O.D.	3/8" O.D.	3/8" O.D.
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.3	0.7	0.7	1.20	1.40	1.40	1.40
		HP	1/20	1/10	1/10	1/4	1/4	1/4	1/4
	Fan Blade	Dia - # Blades	18" - 3	18" - 3	18" - 3	18" - 3	24" - 3	24" - 3	24" - 3
		SCFM	1410	1985	3000	3000	4000	4000	4000
	Compressor Data	RLA	8.3	10.8	13.4	15.4	14.7	19.8	25.3
		LRA	40.3	56.0	68.0	87.0	77.0	104.0	146.0
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"	7/8"	7/8"	7/8"	
	25-39 ft.	3/4"	3/4"	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)	1-1/8" (4)	1-1/8" (4)	1-1/8" (4)	
Weight Approximate (lbs.)	Net	103	112	105	105	176	176	229	
	Ship	107	117	109	109	183	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.  
(5) Additional charge for line sets above 15 feet. Values based on suction line as follows with 3/8" liquid line.  
a) 3/4" = 0.6 oz per additional foot.  
b) 7/8" = 0.7 oz per additional foot.  
c) 1 1/8" = 0.8 oz per additional foot.

## 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.

### Time Delay Relay Kit (TDR)

918476 - 80-second fan delay

# SYSTEM COOLING CAPACITIES

## 13+ SEER —High Efficiency — Single Phase

ModelNumber	C6 TXV Coil	C6 Flex Coil	Cooling Capacity	SEER	EER	SCFM
JS5BD-018KA	C6B(A,H)-T24(C,U)-B+TDR	C6BA-F24U-B + TXV Kit (920662A)	17800	13	11.9	550
JS5BD-024KB	C6B(A,H)-T24(C,U)-B+TDR	C6BA-F24U-B + TXV Kit (920662A)	23800	13	11.5	700
JS5BD-030KB	C6B(A,H)-T30(C,U)-B+TDR	C6BA-F36U-B + TXV Kit (920663A)	29000	13	11.5	900
JS5BD-036KB	C6B(A,H)-T36(C,U)-B+TDR	C6BA-F42U-B + TXV Kit (920664A)	36000	13	11.4	1100
JS5BD-042KA	C6B(A,H)-T42(C,U)-B+TDR	C6BA-F42U-B + TXV Kit (920665A)	39500	13	11.9	1300
JS5BD-048KA	C6B(A,H)-T48(C,U)-C+TDR	C6BA-F60U-C + TXV Kit (920666A)	46500	13	11.3	1550
JS5BD-060KA	C6B(A,H)-T60(C,U)-C+TDR	C6BA-F60U-C + TXV Kit (920667A)	58500	13	11.7	1600



### GENERAL TERMS OF LIMITED WARRANTY

NORDYNE will furnish a replacement for any part of this product which fails in normal use and service within the first 5 years of installation, in accordance with the terms of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the NORDYNE warranty department for a copy.

**NORDYNE**  
COMPLETE COMFORT. GENUINE VALUE.

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Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (06/2011)

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