

TECHNICAL SPECIFICATIONS

JT6BE Series

High Efficiency Heat Pump 14 SEER Residential System 2 – 3.5 Ton Capacity

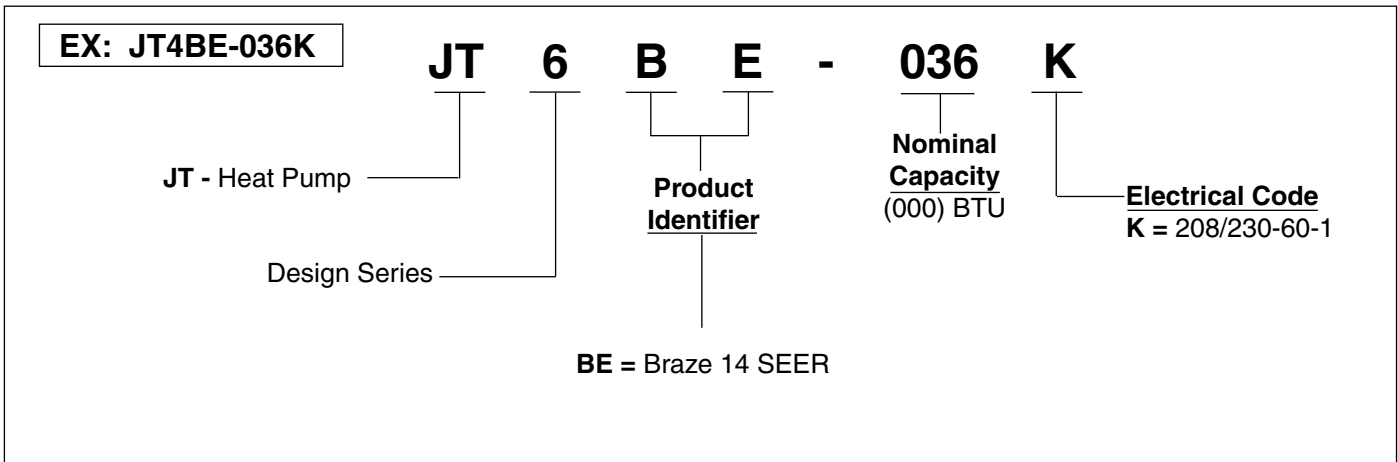
The JT6BE Series of heat pumps offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling and heating equipment.



FEATURES and BENEFITS

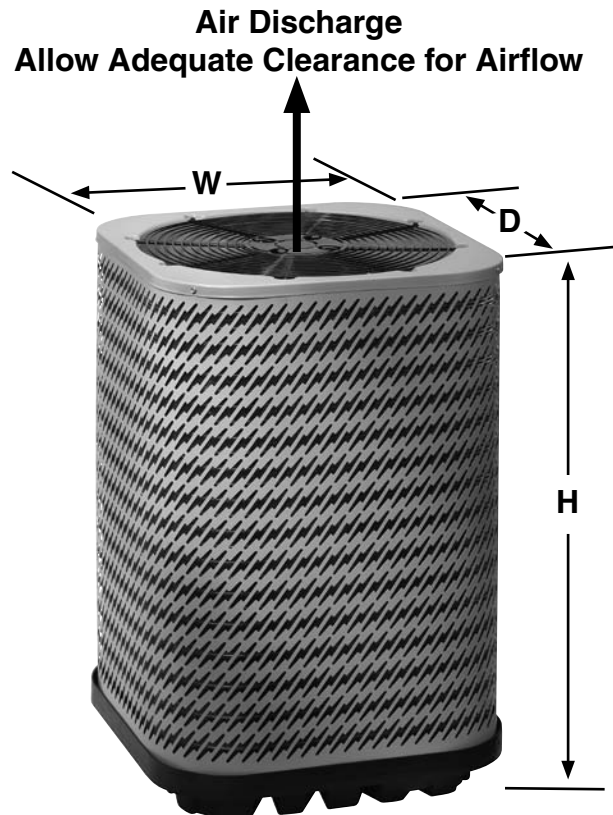
- **Composite Base Pan:** Absorbs sound and corrosion resistant. Composite is also stronger and lighter than steel.
- **Permanently Lubricated Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Durable, Attractive Cabinet:** Designed using galvanized steel with a polyester urethane finish. The 950 hour salt spray finish is 1.5 mil thick.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **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.
- **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.
- **Suction Accumulator:** Protection from liquid flood back and future compressor failures.
- **Hot Gas Muffler:** Reduces compressor noise and vibration.
- **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 units coil from being damaged.
- **Fixed Orifice:** Integrated in liquid line service valve for easy change-out.
- **Micro-Channel Coils:** All aluminum coils in all models which provides high corrosion resistance.

MODEL IDENTIFICATION CODES



DIMENSIONS OUTDOOR SECTION

JT4BE	024KA	030KA	036KA	042KA
H	31 1/2"	39 1/2"	43 1/2"	43 1/2"
W	30 3/4"	30 3/4"	30 3/4"	30 3/4"
D	30 3/4"	30 3/4"	30 3/4"	30 3/4"



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

14 SEER — High Efficiency — Single Phase

Model Number JT6BE		024KA	030KA	036KA	042KA	
Electrical Data	Volts-Cycles-Phase (1)	208/230-60-1				
	Total Amps	9.2	10.8	13.4	19.4	
	Delay Fuse Max. (2)	15	20	25	40	
	Min. Circuit Ampacity	11.3	13.3	16.5	23.9	
Component Data	Coil	Area	17.5	22.5	25.0	25.0
		Rows-FPI	1 - 14	1 - 14	1 - 14	1 - 14
		Tube Dia	MC			
	Fan Motor	Type	PSC			
		Amps	0.9	0.9	1.0	1.5
		HP	0.13	0.13	0.20	0.25
	Compressor Data	RLA	8.3	9.9	12.4	17.9
		LRA	50.0	69.0	67.0	112.0
Refrigerant suction line O.D.		0-24 ft.	3/4"	3/4"	3/4"	7/8"
NOTE: Liquid line is 3/8" O.D. for entire length."		25-39 ft.	3/4"	3/4"	7/8" (3)	7/8"
		40-75 ft.	3/4"	3/4"	7/8" (3)	7/8"
Approximate Weight (lbs.)		Net	167	183	186	182
		Ship	176	192	195	191
Sound Rating db			78	78	78	78

(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.

* For other line set dimensions, refer to the Application Guidelines for Refrigerant Lines Addendum

NOTE: Shaded boxes signify preliminary data.

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.

Snow Stand

Plastic-coated, molded wire stand which elevates units 7-1/4" above ground level.

913145 - (024 through 048) Shipped six (6) per box.

Outdoor Thermostat - 913235

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

Time Delay Relay Kit (TDR) - 911758

SYSTEM HEATING AND COOLING CAPACITIES

14 SEER — High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	BTUH	SEER	EER	Heating Capacity BTUH @ 47° F	HSPF	CFM
JT6BE-024K	B6BMM024K-A	21600	14	11.5	22200	8.2	810
JT6BE-024K	B6BMM024K-B	21600	14	11.5	22200	8.2	810
JT6BE-030K	B6BMM030K-A	27000	14	11.5	28000	8.2	890
JT6BE-030K	B6BMM030K-B	27000	14	11.5	28000	8.2	890

Outdoor Unit	Indoor Unit	BTUH	SEER	EER	Heating Capacity BTUH @ 47° F	HSPF	CFM
JT6BE-024K	B6BMMX24K-A	22800	14	11.5	22600	8.2	810
JT6BE-024K	B6BMMX24K-B	22800	14	11.5	22600	8.2	810
JT6BE-030K	B6BMMX30K-A	27800	14	11.5	29400	8.2	895
JT6BE-030K	B6BMMX30K-B	27800	14	11.5	29400	8.2	895

Outdoor Unit	Indoor Unit	BTUH	SEER	EER	Heating Capacity BTUH @ 47° F	HSPF	CFM
JT6BE-036K	B6EMMX36K-B	33600	14	11.5	32600	8.2	1250
JT6BE-042K	B6EMMX42K-B	40500	14	12.2	40000	8.2	1375
JT6BE-042K	B6VMMX42K-B	40500	14	12.2	40000	8.2	1375

All ratings are with time delay relay.

See current AHRI Directory for certified combinations and ratings.

www.ahridirectory.org



We Encourage Professionalism



Through Technician Certification by NATE



GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC, LLC will furnish a replacement for any part of this product which fails in normal use and service within the first ten 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 Nortek Global HVAC, LLC warranty department for a copy.

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. Printed in U.S.A (02/2016)