

JS4BE Series

High Efficiency Air Conditioner 14 SEER Residential System 1.5 – 5 Ton Capacity

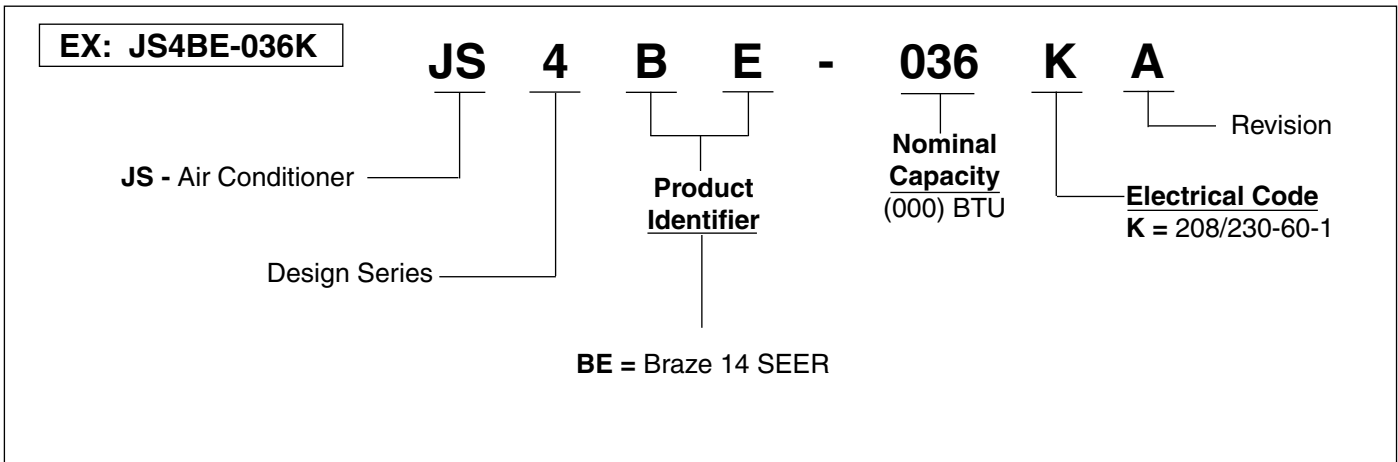
The JS4BE Series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils or air handlers, offers a full line of quality, split system cooling equipment.



FEATURES and BENEFITS

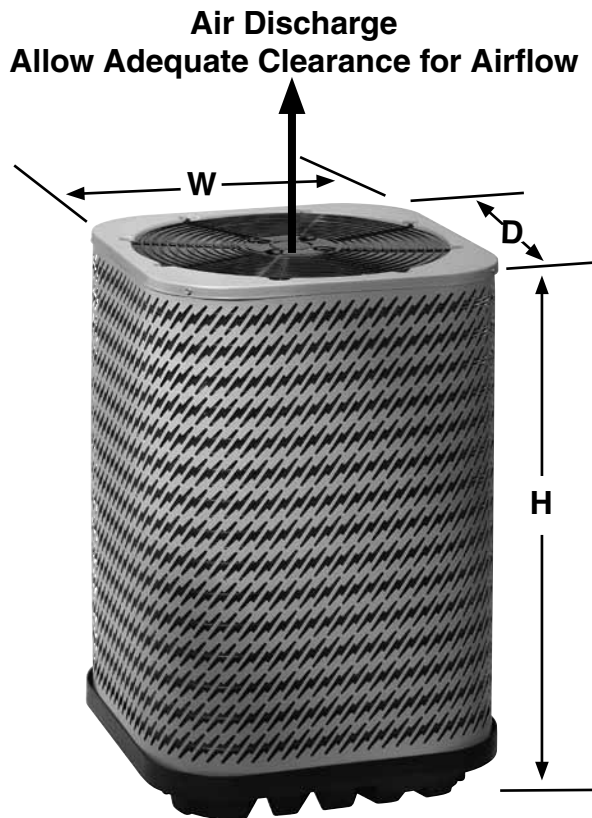
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Permanently Lubricated Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **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.
- **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.
- **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's coil from being damaged.
- **Micro-Channel Coils:** All aluminum coils in all models which provides high corrosion resistance.

MODEL IDENTIFICATION CODES



DIMENSIONS AIR CONDITIONER OUTDOOR SECTION

JS4BE	018KA	024KA	030KA	036KA	042KA	048KA	060KA
H	27"	31"	27"	35"	39"	39"	43"
W	22 3/4"	22 3/4"	30 3/4"	30 3/4"	30 3/4"	30 3/4"	30 3/4"
D	22 3/4"	22 3/4"	30 3/4"	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 JS4BE		018KA	024KA	030KA	036KA	042KA	048KA	060KA	
Electrical Data	Volts-Cycles-Phase (1)	208/230-60-1							
	Total Amps	9.9	14.4	15.0	15.1	19.4	21.3	29.0	
	Delay Fuse Max. (2)	20	30	30	30	40	45	60	
	Min. Circuit Ampacity	12.1	17.7	18.5	18.6	23.9	26.3	35.6	
Component Data	Coil	Area	10.0	11.7	15.2	20.3	22.8	22.8	25.4
		Rows-FPI	1-23	1-23	1-18	1-18	1-18	1-18	1-23
		Tube Dia	MC						
	Fan Motor	Type	PSC						BLDC
		Amps	0.9	0.9	0.9	1.0	1.5	1.5	2.6
		HP	0.13	0.13	0.13	0.20	0.25	0.25	0.33
	Compressor Data	RLA	9.0	13.4	14.1	14.1	17.9	19.8	26.4
		LRA	48.0	58.3	73.0	77.0	112.0	109.0	134.0
Refrigerant suction line O.D. NOTE: Liquid line is 3/8" O.D. for entire length.	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 in ounces for outdoor unit & 15' lineset		39.0	45.0	51.0	62.0	75.0	101.0	81.0	
Approximate Weight (lbs.)	Net	107	127	132	146	175	177	187	
	Ship	113	134	140	155	184	186	196	
Sound Rating db		74	74	75	78	78	78	78	

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.

SYSTEM COOLING CAPACITIES

14 SEER — High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	BTUH	SEER	EER	CFM
JS4BE-018KA	C7B(A,H)M01824(C,U)-A+TXV	18,000	14	12.2	680
JS4BE-018KA	C7B(A,H)M01824(C,U)-B+TXV	18,000	14	12.2	680
JS4BE-024KA	C7B(A,H)M01824(C,U)-A+TXV	24,000	14	12.2	845
JS4BE-024KA	C7B(A,H)M01824(C,U)-B+TXV	24,000	14	12.2	845
JS4BE-030KA	C7B(A,H)M03036(C,U)-A+TXV	29,000	14	12.0	945
JS4BE-030KA	C7B(A,H)M03036(C,U)-B+TXV	29,000	14	12.0	945
JS4BE-036KA	C7B(A,H)M03642(C,U)-B+TXV	34,800	14	12.2	1110
JS4BE-036KA	C7B(A,H)M03648(C,U)-C+TXV	34,800	14	12.2	1110
JS4BE-042KA	C7B(A,H)M03642(C,U)-B+TXV	40,500	14	12.2	1305
JS4BE-042KA	C7B(A,H)M03648(C,U)-C+TXV	40,500	14	12.2	1305
JS4BE-048KA	C7B(A,H)M048(C,U)-C+TXV	45,500	14	11.7	1525
JS4BE-048KA	C7B(A,H)M048(C,U)-D+TXV	45,500	14	11.7	1525
JS4BE-060KA	C7B(A,H)M060(C,U)-C+TXV	57,000	14	11.7	1540
JS4BE-060KA	C7B(A,H)M060(C,U)-D+TXV	57,000	14	11.7	1540

Outdoor Unit	Indoor Unit	BTUH	SEER	EER	CFM
JS4BE-018KA	B6BM-X24K-A	18,000	14	12.2	600
JS4BE-018KA	B6BM-X24K-B	18,000	14	12.2	600
JS4BE-024KA	B6BM-X24K-A	24,000	14	12.2	705
JS4BE-024KA	B6BM-X24K-B	24,000	14	12.2	705
JS4BE-030KA	B6BM-X30K-A	30,200	14	12.2	875
JS4BE-030KA	B6BM-X30K-B	30,200	14	12.2	875
JS4BE-036KA	B6BM-X36K-B	34,000	14	12.2	905
JS4BE-042KA	B6BM-X42K-B	40,000	14	12.2	1225
JS4BE-048KA	B6BM-X48K-C	45,500	14	11.7	1450
JS4BE-060KA	B6BM-X60K-C	58,000	14	11.7	1660

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

www.ahridirectory.org

14 SEER + LOOSE COIL COOLING EXPANDED RATINGS (CONTINUED)

JS4BE-042KA C7B(A,H)M03642(C,U)-B+TXV Kit

CFM	O.D.T		65°F			75°F			85°F			95°F			105°F			115°F		
	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1225	80	62	43.0	33.1	2.53	41.5	32.9	2.77	39.6	33.0	3.05	37.8	32.4	3.36	35.86	34.03	3.71	33.77	32.04	4.10
	80	67	47.1	27.4	2.54	45.2	27.2	2.79	43.3	27.5	3.07	41.3	27.0	3.38	39.10	26.61	3.73	36.83	24.74	4.13
	80	72	51.6	21.2	2.58	49.6	21.1	2.82	47.5	21.5	3.10	45.2	21.1	3.41	42.81	20.81	3.77	40.30	21.37	4.16
	75	62	42.9	27.8	2.53	41.3	27.6	2.76	39.5	27.7	3.05	37.6	27.2	3.36	35.65	25.20	3.71	33.59	27.00	4.10
1400	80	62	44.0	35.4	2.60	42.4	36.1	2.83	40.5	35.2	3.12	38.5	34.8	3.43	36.55	34.53	3.78	34.45	34.11	4.18
	80	67	48.1	29.1	2.61	46.2	30.0	2.86	44.1	29.2	3.15	42.0	28.9	3.45	39.72	28.95	3.80	37.36	28.97	4.20
	80	72	52.6	22.3	2.64	50.5	23.3	2.89	48.2	22.6	3.17	45.9	22.4	3.48	43.38	22.63	3.84	40.74	22.80	4.23
	75	62	43.9	29.5	2.60	42.2	30.2	2.83	40.2	29.4	3.12	38.3	29.1	3.43	36.24	29.03	3.78	34.05	28.80	4.17
1575	80	62	44.9	37.9	2.67	43.1	38.1	2.91	41.2	37.2	3.19	39.2	36.7	3.50	37.27	36.01	3.85	35.39	35.24	4.25
	80	67	48.8	31.2	2.69	46.8	31.6	2.93	44.7	30.8	3.21	42.5	30.7	3.52	40.20	30.55	3.87	37.76	30.72	4.27
	80	72	53.3	23.8	2.71	51.1	24.4	2.95	48.8	23.7	3.24	46.3	23.7	3.55	43.76	23.63	3.91	41.12	23.95	4.30
	75	62	44.6	31.6	2.66	42.8	31.9	2.90	40.8	31.1	3.18	38.8	30.9	3.50	36.72	30.46	3.85	34.47	30.48	4.24

JS4BE-048KA C7B(A,H)M048(C,U)-C+TXV Kit

CFM	O.D.T		65°F			75°F			85°F			95°F			105°F			115°F		
	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1400	80	62	48.1	37.3	2.77	46.2	37.0	3.07	44.2	37.2	3.39	42.1	36.5	3.75	39.87	38.15	4.16	37.61	35.99	4.60
	80	67	52.3	30.8	2.81	50.3	30.6	3.10	48.1	30.9	3.41	45.8	30.3	3.78	43.45	29.85	4.18	40.99	27.77	4.64
	80	72	57.5	23.9	2.84	55.1	23.8	3.12	52.7	24.3	3.44	50.1	23.8	3.81	47.38	23.48	4.21	44.45	24.10	4.66
	75	62	47.9	31.3	2.77	45.9	31.0	3.06	44.0	31.2	3.38	41.9	30.5	3.75	39.63	28.24	4.16	37.33	30.24	4.60
1600	80	62	49.1	39.9	2.86	47.1	40.6	3.15	45.0	39.6	3.47	42.9	39.1	3.83	40.67	38.73	4.24	38.45	38.13	4.69
	80	67	53.4	32.7	2.89	51.2	33.6	3.17	49.0	32.8	3.49	46.6	32.4	3.86	44.16	32.43	4.26	41.59	32.44	4.72
	80	72	58.4	25.2	2.92	55.9	26.3	3.20	53.1	25.5	3.53	50.5	25.3	3.88	47.84	25.41	4.29	45.09	25.56	4.74
	75	62	48.8	33.2	2.85	46.9	33.9	3.14	44.8	33.0	3.46	42.6	32.6	3.83	40.28	32.51	4.24	37.87	32.38	4.68
1800	80	62	49.9	42.7	2.94	47.9	42.8	3.23	45.8	41.7	3.55	43.7	41.1	3.91	41.56	40.15	4.32	39.48	39.31	4.77
	80	67	54.2	35.0	2.97	52.0	35.4	3.25	49.7	34.6	3.57	47.2	34.4	3.94	44.67	34.18	4.34	42.00	34.34	4.80
	80	72	58.8	26.9	3.00	56.4	27.4	3.28	53.8	26.6	3.59	51.2	26.6	3.96	48.40	26.45	4.37	45.55	26.76	4.82
	75	62	49.6	35.5	2.94	47.6	35.7	3.23	45.4	34.8	3.54	43.1	34.6	3.91	40.76	34.07	4.32	38.30	34.07	4.76

JS4BE-060KA C7B(A,H)M060(C,U)-C+TXV Kit

CFM	O.D.T		65°F			75°F			85°F			95°F			105°F			115°F		
	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1750	80	62	60.6	46.3	3.54	58.4	45.6	3.90	56.1	45.9	4.31	53.7	45.2	4.76	51.10	47.35	5.29	48.37	44.82	5.89
	80	67	66.0	38.3	3.59	63.6	38.0	3.96	61.0	38.5	4.36	58.4	37.8	4.82	55.56	37.26	5.35	52.57	34.81	5.95
	80	72	72.5	29.9	3.65	69.8	29.8	4.03	66.9	30.4	4.43	63.8	29.9	4.89	60.47	29.54	5.41	56.92	30.37	6.01
	75	62	60.3	38.8	3.54	58.1	38.5	3.90	55.8	38.8	4.30	53.3	38.0	4.76	50.80	35.41	5.29	48.02	37.85	5.89
2000	80	62	62.0	49.1	3.65	59.7	50.0	4.01	57.3	48.9	4.41	54.8	48.4	4.87	52.13	48.19	5.40	49.29	47.81	6.00
	80	67	67.4	40.5	3.70	65.0	41.8	4.07	62.2	40.7	4.47	59.4	40.4	4.93	56.51	40.44	5.45	53.42	40.51	6.05
	80	72	73.7	31.4	3.75	70.6	32.9	4.13	67.4	31.9	4.54	64.4	31.7	4.99	61.21	31.94	5.51	57.88	32.19	6.12
	75	62	61.6	41.1	3.64	59.4	42.1	4.01	56.9	41.1	4.41	54.4	40.6	4.87	51.65	40.57	5.40	48.82	40.49	5.99
2250	80	62	63.1	52.6	3.75	60.8	52.9	4.12	58.2	51.6	4.52	55.7	51.2	4.98	52.99	50.41	5.51	50.14	49.93	6.10
	80	67	68.6	43.4	3.81	65.9	43.9	4.17	63.2	42.9	4.58	60.3	42.8	5.03	57.25	42.58	5.55	54.05	42.86	6.16
	80	72	74.4	33.5	3.86	71.4	34.2	4.24	68.4	33.2	4.65	65.3	33.3	5.10	61.96	33.19	5.62	58.52	33.68	6.23
	75	62	62.7	43.9	3.75	60.3	44.3	4.11	57.8	43.2	4.51	55.2	43.1	4.97	52.39	42.71	5.50	49.39	42.45	6.09

