

TECHNICAL SPECIFICATIONS

ES4BE Series

R-410A High Efficiency Air Conditioner 14 SEER Residential System 1-1/2 – 5 Ton Capacity

The ES4BE Series now offers the choice of an air conditioner that uses a more efficient and environmentally friendly refrigerant designated R-410A. The ES4BE 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.



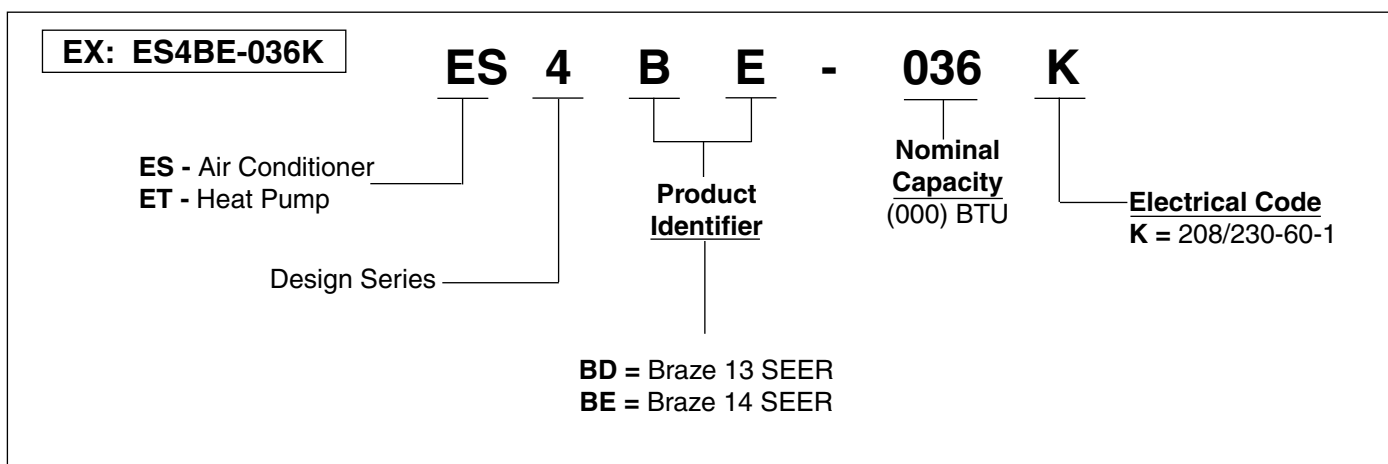
WARRANTY

- This product offers a 10-year all-parts warranty.
- This product offers a 1 year Quality Pledge to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first year of operation, to the original owner. All split system products must be installed with a matched indoor air handler or indoor coil to qualify.
- Consumer product registration required for both 10 year All Parts Warranty and 1 year Quality Pledge within a limited period of time after the installation. See current warranty document or visit our consumer web site listed on the back of this document for warranty details.

FEATURES and BENEFITS

- **R-410A Refrigerant** – Earth friendly non-ozone depleting refrigerant.
- **Designed using galvanized steel** – with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **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.
- **Louvered Condenser Guard** – Durable metal guard protects the coil from yard hazards and extreme weather.
- **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.
- **Composite Base Pan** – Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.

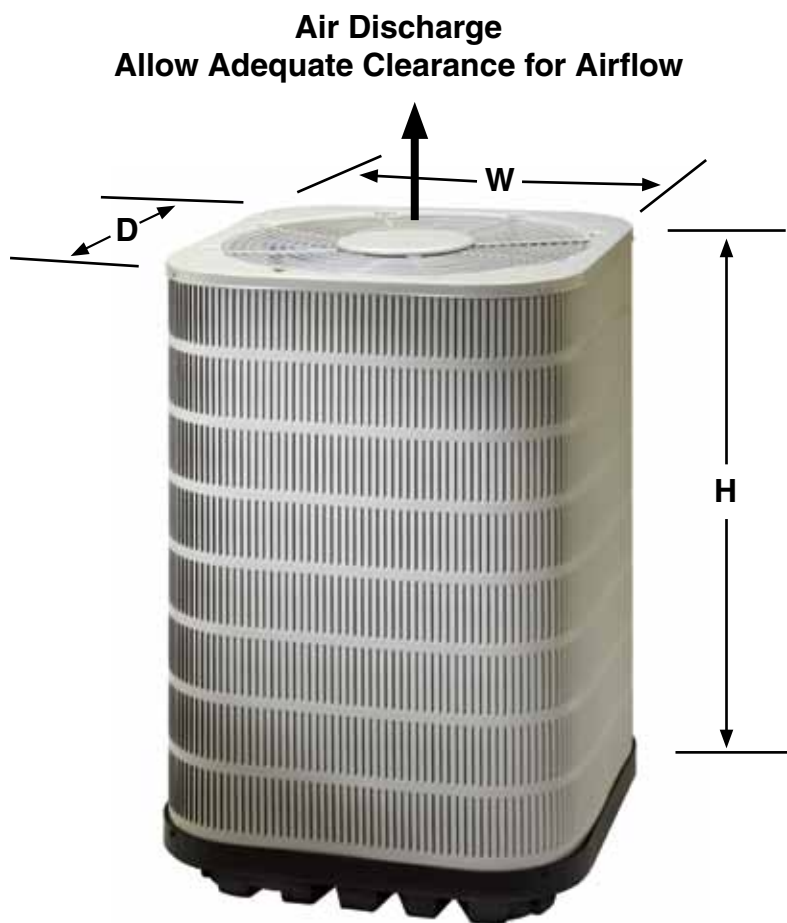
MODEL IDENTIFICATION CODES



DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

ES4BE	018K	024K	030K	036K	042K	048K	060K
H	31	31	35	39	43	43	43
W	30 3/4	30 3/4	30 3/4	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	30 3/4	30 3/4	30 3/4



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

14 SEER — High Efficiency — Single Phase

Model Number ES4BE			018K	024K	030K	036K	042K	048K	060K
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		9.9	14.4	15	15.1	19.3	21.2	27.6
	Delay Fuse Max. (2)		20	30	30	30	40	45	60
	Min. Circuit Ampacity		12.1	17.7	18.5	18.6	23.8	26.2	34.2
Condenser Data	Coil	Area	17.5	17.5	20.3	22.8	25.4	25.4	25.4
		Rows-FPI	1-22	1-22	1-22	1-22	1-22	2-16	2-16
		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.	3/8" O.D.
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.9	0.9	0.9	1	1.4	1.4	1.4
		HP	0.13	0.13	0.13	0.25	0.25	0.25	0.25
	Fan Blade	Dia-# Blades	24"-2	24"-2	24"-2	24"-2	24"-2	24"-2	24"-2
		SCFM	3000	3000	3200	3300	3600	3800	3800
	Compressor Data	RLA	9	13.4	14.1	14.1	17.9	19.5	26.2
		LRA	48	58.3	73	77	112	109	134
Refrigerant suction line O.D.(all length of liquid line are 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"	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)
Weight Approximate (lbs.)		Net	162	166	171	176	279	220	223
		Ship	171	175	180	185	190	232	235
Sound Ratings db (6)			74	74	74	76	76	76	76

(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.

SYSTEM COOLING CAPACITIES

14 SEER — High Efficiency — Single Phase

Outdoor Unit	Indoor Unit	BTUH	SEER	EER	CFM
ES4BE-018K	C7B(A,H)M01824(C,U)-A + TXV Kit	18,000	14	12.0	590
ES4BE-018K	C7B(A,H)M01824(C,U)-B + TXV Kit	18,000	14	12.2	600
ES4BE-024K	C7B(A,H)M01824(C,U)-A + TXV Kit	23,400	14	12.2	850
ES4BE-024K	C7B(A,H)M01824(C,U)-B + TXV Kit	23,400	14	12.2	755
ES4BE-030K	C7B(A,H)M03036(C,U)-A + TXV Kit	29,400	14	12.2	950
ES4BE-030K	C7B(A,H)M03036(C,U)-B + TXV Kit	29,800	14	12.2	950
ES4BE-030K	C7B(A,H)M030(C,U)-C + TXV Kit	29,800	14	12.2	950
ES4BE-036K	C7B(A,H)M03642(C,U)-B + TXV Kit	34,400	14	12.2	1140
ES4BE-036K	C7B(A,H)M03648(C,U)-C + TXV Kit	34,200	14	11.0	1150
ES4BE-042K	C7B(A,H)M03642(C,U)-B + TXV Kit	40,000	14	11.6	1290
ES4BE-042K	C7B(A,H)M03648(C,U)-C + TXV Kit	40,000	14	11.6	1290
ES4BE-042K	C7B(A,H)M042(C,U)-D + TXV Kit	40,000	14	11.6	1290
ES4BE-048K	C7B(A,H)M048(C,U)-C + TXV Kit	45,500	14	11.7	1505
ES4BE-048K	C7B(A,H)M048(C,U)-D + TXV Kit	45,500	14	11.7	1505
ES4BE-060K	C6BH-X60C-(C,D)	59,000	14	12.2	1650

Note: Cells shaded in gray are preliminary data and are subject to change.

Outdoor Unit	Indoor Unit	BTUH	SEER	EER	CFM
ES4BE-018K	B6BM-X24K-A	18,000	14	12.2	555
ES4BE-018K	B6BM-X24K-B	18,000	14	12.2	555
ES4BE-024K	B6BM-X24K-A	24,000	14	12.2	750
ES4BE-024K	B6BM-X24K-B	24,000	14	12.2	750
ES4BE-024K	B6BM-X30K-B	24,000	14	12.2	750
ES4BE-030K	B6BM-X30K-A	29,400	14	12.2	885
ES4BE-030K	B6BM-X30K-B	29,400	14	12.2	885
ES4BE-036K	B6BM-X36K-B	35,200	14	12.2	1085
ES4BE-042K	B6BM-X42K-B	41,500	14	12.2	1250
ES4BE-048K	B6BM-X48K-C	47,000	14	11.7	1500
ES4BE-060K	B6BM-X60K-C	59,000	14	11.7	1700

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

ES4BE-018K C7B(A,H)M01824(C,U)-A + TXV Kit

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	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.
525	80	62	19.1	14.8	1.09	18.4	14.7	1.23	17.6	14.7	1.37	16.8	14.5	1.52	15.90	15.26	1.69	14.95	14.35	1.88
	80	67	21.0	12.0	1.09	20.1	11.9	1.22	19.2	12.0	1.37	18.3	11.8	1.52	17.35	11.60	1.69	16.30	10.76	1.88
	80	72	23.2	9.4	1.08	22.3	9.3	1.22	21.4	9.5	1.37	20.3	9.3	1.52	19.23	9.17	1.69	18.06	9.41	1.88
	75	63	19.3	11.6	1.09	18.6	11.5	1.23	17.8	11.6	1.36	16.9	11.4	1.52	16.01	10.44	1.69	15.00	11.22	1.88
600	80	62	19.6	15.9	1.12	18.9	16.2	1.25	18.1	15.9	1.39	17.2	15.7	1.54	16.35	15.67	1.71	15.54	15.41	1.91
	80	67	21.5	12.8	1.11	20.6	13.1	1.25	19.7	12.8	1.39	18.7	12.6	1.55	17.70	12.63	1.72	16.60	12.60	1.91
	80	72	23.8	9.9	1.11	22.8	10.3	1.25	21.8	10.0	1.40	20.7	9.9	1.55	19.56	10.00	1.72	18.33	10.06	1.91
	75	63	19.8	12.3	1.12	19.0	12.6	1.25	18.2	12.3	1.39	17.3	12.1	1.54	16.33	12.10	1.71	15.29	12.03	1.91
675	80	62	20.1	17.2	1.14	19.3	17.3	1.28	18.5	17.0	1.42	17.8	16.8	1.57	16.96	16.38	1.74	16.05	15.98	1.94
	80	67	21.9	13.7	1.14	21.0	13.9	1.27	20.1	13.5	1.42	19.0	13.4	1.57	17.98	13.33	1.74	16.84	13.37	1.94
	80	72	24.2	10.6	1.13	23.2	10.8	1.28	22.1	10.5	1.42	21.0	10.5	1.58	19.75	10.48	1.75	18.42	10.60	1.94
	75	63	20.2	13.2	1.14	19.4	13.3	1.28	18.5	13.0	1.42	17.6	12.9	1.57	16.59	12.75	1.74	15.52	12.74	1.94

ES4BE-024K C7B(A,H)M01824(C,U)-B + TXV Kit

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	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.
700	80	62	24.3	19.0	1.39	23.4	18.9	1.54	22.4	19.0	1.71	21.4	18.7	1.89	20.29	19.66	2.10	19.14	18.54	2.34
	80	67	26.5	15.3	1.38	25.5	15.2	1.55	24.4	15.3	1.72	23.3	15.0	1.90	22.03	14.81	2.11	20.73	13.85	2.34
	80	72	29.3	11.9	1.38	28.1	11.8	1.55	26.9	12.1	1.73	25.6	11.8	1.91	24.28	11.67	2.12	22.83	11.98	2.35
	75	63	24.5	14.8	1.39	23.6	14.7	1.55	22.6	14.8	1.71	21.5	14.5	1.89	20.40	13.42	2.10	19.20	14.40	2.34
800	80	62	24.9	20.4	1.42	24.0	20.9	1.58	23.0	20.4	1.75	21.9	20.2	1.93	20.90	20.11	2.14	19.91	19.74	2.38
	80	67	27.1	16.2	1.42	26.0	16.7	1.58	24.9	16.3	1.76	23.7	16.1	1.94	22.44	16.11	2.15	21.08	16.10	2.38
	80	72	29.9	12.5	1.42	28.7	13.1	1.59	27.4	12.7	1.77	26.1	12.6	1.95	24.63	12.70	2.16	23.10	12.80	2.39
	75	63	25.1	15.7	1.42	24.1	16.1	1.58	23.1	15.7	1.75	22.0	15.5	1.93	20.78	15.46	2.14	19.51	15.40	2.38
900	80	62	25.5	22.1	1.46	24.5	22.3	1.62	23.5	21.8	1.79	22.7	21.5	1.97	21.63	20.90	2.18	20.50	20.42	2.42
	80	67	27.6	17.4	1.46	26.5	17.6	1.62	25.3	17.2	1.79	24.1	17.1	1.98	22.75	17.00	2.19	21.35	17.07	2.42
	80	72	30.4	13.4	1.46	29.1	13.7	1.63	27.8	13.3	1.80	26.3	13.3	1.99	24.80	13.30	2.20	23.25	13.45	2.43
	75	63	25.6	16.8	1.45	24.6	17.0	1.62	23.5	16.5	1.79	22.3	16.4	1.97	21.07	16.28	2.18	19.76	16.29	2.41

ES4BE-030K C7B(A,H)M03036(C,U)-A + TXV Kit

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	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.
875	80	62	30.2	23.3	1.72	29.1	23.2	1.91	28.0	23.3	2.11	26.7	22.9	2.34	25.42	23.96	2.60	23.98	22.61	2.90
	80	67	33.0	19.4	1.73	31.7	19.2	1.92	30.5	19.4	2.12	29.1	19.1	2.35	27.71	18.82	2.61	26.14	17.49	2.91
	80	72	36.4	15.1	1.75	34.9	15.1	1.94	33.5	15.4	2.14	31.9	15.1	2.37	30.17	14.92	2.63	28.28	15.28	2.92
	75	63	30.6	18.8	1.72	29.4	18.6	1.91	28.3	18.8	2.11	27.0	18.4	2.34	25.66	17.05	2.61	24.18	18.27	2.90
1000	80	62	30.9	24.9	1.77	29.8	25.4	1.96	28.6	24.8	2.16	27.3	24.5	2.39	25.96	24.37	2.65	24.52	24.09	2.95
	80	67	33.7	20.5	1.78	32.4	21.1	1.97	31.0	20.6	2.17	29.7	20.4	2.40	28.19	20.43	2.66	26.57	20.42	2.96
	80	72	36.9	15.9	1.80	35.3	16.6	1.99	33.6	16.2	2.19	32.1	16.0	2.42	30.50	16.11	2.68	28.76	16.19	2.97
	75	63	31.2	19.9	1.77	30.1	20.4	1.96	28.8	19.9	2.16	27.5	19.6	2.39	26.12	19.59	2.65	24.58	19.52	2.95
1125	80	62	31.5	26.7	1.81	30.3	26.8	2.01	29.1	26.2	2.21	27.8	25.9	2.44	26.50	25.42	2.70	25.11	25.01	3.00
	80	67	34.2	22.0	1.83	32.9	22.2	2.02	31.5	21.7	2.22	30.1	21.7	2.45	28.56	21.52	2.71	26.88	21.61	3.01
	80	72	37.1	17.0	1.85	35.6	17.3	2.03	34.1	16.8	2.25	32.5	16.8	2.47	30.87	16.74	2.73	29.08	16.93	3.02
	75	63	31.8	21.2	1.82	30.5	21.4	2.01	29.3	20.9	2.21	27.9	20.8	2.44	26.46	20.59	2.70	24.85	20.61	3.00

ES4BE-036K C7B(A,H)M03648(C,U)-C + TXV Kit

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	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.
1050	80	62	35.3	27.9	2.11	34.0	27.7	2.33	32.6	27.9	2.57	31.1	27.4	2.85	29.49	28.58	3.17	27.76	26.90	3.54
	80	67	38.7	23.1	2.12	37.1	22.9	2.35	35.6	23.2	2.59	33.9	22.7	2.87	32.11	22.41	3.19	30.20	20.85	3.55
	80	72	42.5	17.8	2.15	40.8	17.7	2.37	39.0	18.1	2.62	37.1	17.7	2.90	35.14	17.51	3.21	32.99	17.97	3.57
	75	63	35.8	22.4	2.11	34.4	22.2	2.34	33.0	22.3	2.58	31.4	21.9	2.85	29.75	20.25	3.17	27.98	21.73	3.54
1200	80	62	36.2	29.9	2.17	34.7	30.4	2.39	33.3	29.7	2.63	31.7	29.3	2.91	30.13	28.92	3.23	28.53	28.29	3.60
	80	67	39.4	24.5	2.18	37.8	25.2	2.41	36.2	24.6	2.65	34.5	24.4	2.93	32.61	24.39	3.24	30.67	24.38	3.61
	80	72	43.2	18.7	2.21	41.4	19.6	2.44	39.5	19.0	2.68	37.5	18.9	2.95	35.49	19.02	3.27	33.37	19.12	3.63
	75	63	36.5	23.7	2.17	35.1	24.3	2.39	33.6	23.7	2.64	32.0	23.4	2.91	30.20	23.36	3.23	28.35	23.28	3.60
1350	80	62	36.8	32.0	2.23	35.4	32.1	2.45	33.9	31.2	2.69	32.4	30.7	2.97	30.89	29.84	3.29	29.29	29.17	3.66
	80	67	40.0	26.3	2.24	38.4	26.6	2.47	36.7	26.0	2.72	34.9	25.9	2.99	32.96	25.75	3.30	30.97	25.75	3.67
	80	72	43.6	20.1	2.27	41.7	20.5	2.50	39.9	19.9	2.74	37.9	19.9	3.02	35.87	19.83	3.33	33.69	20.07	3.69
	75	63	37.1	25.4	2.23	35.6	25.6	2.45	34.0	25.0	2.70	32.3	24.8	2.97	30.55	24.50	3.29	28.65	24.52	3.66

14 SEER + LOOSE COIL COOLING EXPANDED RATINGS (CONTINUED)

ES4BE-042K C7B(A,H)M03642(C,U)-B + TXV Kit

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	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	41.4	32.3	2.54	39.9	32.1	2.78	38.2	32.3	3.05	36.4	31.6	3.36	34.50	33.12	3.72	32.50	31.20	4.12
	80	67	45.2	26.7	2.55	43.4	26.5	2.79	41.6	26.8	3.07	39.6	26.3	3.38	37.59	25.92	3.74	35.38	24.12	4.14
	80	72	49.6	20.7	2.57	47.7	20.6	2.82	45.6	21.0	3.10	43.4	20.6	3.41	40.94	20.32	3.77	38.34	20.84	4.18
	75	63	42.0	25.9	2.54	40.4	25.7	2.78	38.7	25.9	3.05	36.9	25.4	3.36	34.91	23.47	3.72	32.83	25.18	4.12
1400	80	62	42.3	34.5	2.61	40.7	35.2	2.85	39.0	34.4	3.12	37.1	33.9	3.43	35.20	33.58	3.79	33.25	32.97	4.19
	80	67	46.1	28.4	2.63	44.3	29.2	2.86	42.4	28.5	3.14	40.3	28.2	3.45	38.12	28.16	3.81	35.84	28.14	4.22
	80	72	50.4	21.7	2.64	48.3	22.8	2.89	46.1	22.1	3.17	43.7	21.9	3.48	41.35	22.02	3.84	38.86	22.12	4.24
	75	63	42.8	27.5	2.61	41.2	28.2	2.85	39.4	27.4	3.12	37.5	27.1	3.43	35.42	27.02	3.79	33.31	26.93	4.19
1575	80	62	43.0	37.0	2.68	41.4	37.1	2.91	39.6	36.2	3.19	37.8	35.6	3.50	35.97	34.76	3.86	34.12	33.97	4.26
	80	67	46.8	30.4	2.69	44.9	30.7	2.93	43.0	30.0	3.21	40.8	29.9	3.52	38.60	29.69	3.88	36.22	29.81	4.29
	80	72	50.8	23.3	2.71	48.7	23.8	2.95	46.6	23.1	3.23	44.2	23.1	3.55	41.81	22.93	3.91	39.25	23.18	4.31
	75	63	43.5	29.3	2.68	41.8	29.6	2.92	39.9	28.9	3.19	37.9	28.7	3.50	35.86	28.44	3.86	33.61	28.46	4.26

ES4BE-048K C7B(A,H)M048(C,U)-C + TXV Kit

O.D.T			65°F			75°F			85°F			95°F			105°F			115°F		
CFM	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	47.6	37.1	2.75	45.9	36.9	3.01	44.0	37.0	3.31	42.0	36.3	3.65	39.78	38.00	4.04	37.52	35.84	4.48
	80	67	52.1	30.7	2.77	50.2	30.5	3.03	48.0	30.8	3.33	45.8	30.3	3.67	43.40	29.78	4.06	40.91	27.68	4.50
	80	72	57.4	23.9	2.79	55.2	23.8	3.05	52.7	24.3	3.35	50.1	23.8	3.69	47.21	23.50	4.08	44.41	24.07	4.51
	75	63	48.3	29.8	2.75	46.5	29.5	3.02	44.5	29.8	3.31	42.4	29.1	3.66	40.16	27.00	4.05	37.87	28.91	4.48
1600	80	62	48.8	39.7	2.82	46.9	40.4	3.09	45.0	39.5	3.39	42.8	38.9	3.73	40.60	38.58	4.12	38.35	38.03	4.56
	80	67	53.2	32.6	2.85	51.1	33.5	3.11	48.9	32.7	3.41	46.5	32.3	3.75	44.08	32.35	4.14	41.55	32.34	4.58
	80	72	58.3	25.2	2.87	55.8	26.3	3.13	53.1	25.5	3.43	50.6	25.3	3.77	47.89	25.41	4.16	45.10	25.54	4.59
	75	63	49.3	31.5	2.83	47.4	32.3	3.09	45.4	31.5	3.39	43.2	31.1	3.73	40.84	31.01	4.12	38.42	30.91	4.56
1800	80	62	49.6	42.4	2.90	47.8	42.6	3.17	45.7	41.6	3.47	43.6	41.0	3.81	41.48	40.07	4.20	39.39	39.22	4.64
	80	67	54.1	34.9	2.93	51.9	35.4	3.19	49.7	34.5	3.48	47.2	34.3	3.83	44.65	34.09	4.22	42.00	34.25	4.65
	80	72	58.8	26.9	2.95	56.4	27.4	3.20	53.9	26.6	3.51	51.2	26.6	3.85	48.45	26.43	4.23	45.58	26.74	4.67
	75	63	50.1	33.7	2.91	48.2	34.0	3.17	46.0	33.1	3.47	43.7	32.9	3.81	41.34	32.61	4.20	38.88	32.65	4.64

ES4BE-060K with C6BH-X60C-(C,D) + TDR

O.D.T			75°F			85°F			95°F			105°F			115°F		
CFM	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.
1600	80	62	59.6	49.6	3.92	57.1	48.7	4.32	54.2	47.8	4.77	51.0	47.3	5.27	47.6	45.5	5.84
	80	67	64.6	42.2	3.95	61.8	41.0	4.36	58.6	39.5	4.81	55.1	38.1	5.31	51.3	36.5	5.89
	80	72	70.9	33.8	3.99	67.7	32.7	4.41	64.0	31.5	4.86	60.1	30.1	5.37	55.6	28.7	5.94
	75	63	60.2	40.8	3.93	57.6	39.6	4.33	54.7	38.3	4.78	51.4	36.9	5.28	47.9	35.3	5.85
1700	80	62	60.3	51.3	3.97	57.7	50.2	4.36	54.7	49.9	4.81	51.6	48.8	5.31	48.1	47.3	5.89
	80	67	65.3	43.1	4.01	62.4	42.0	4.40	59.1	40.6	4.85	55.6	39.2	5.35	51.7	37.6	5.93
	80	72	71.3	34.5	4.06	68.1	33.5	4.46	64.4	32.2	4.90	60.3	30.9	5.41	55.6	29.4	5.98
	75	63	60.9	41.9	3.98	58.2	40.7	4.37	55.2	39.4	4.82	51.9	37.9	5.32	48.2	36.3	5.90
1800	80	62	60.8	53.8	4.03	58.3	52.3	4.41	55.3	51.3	4.85	52.0	50.6	5.35	48.5	48.5	5.93
	80	67	65.9	44.2	4.07	62.9	43.1	4.45	59.6	41.7	4.89	55.9	40.3	5.39	52.0	38.6	5.97
	80	72	71.7	35.3	4.12	68.5	34.2	4.50	64.6	33.0	4.94	60.3	31.6	5.44	55.9	30.0	6.02
	75	63	61.5	42.9	4.04	58.7	41.8	4.42	55.6	40.4	4.86	52.2	38.9	5.36	48.5	37.3	5.94

14 SEER AHU COOLING EXPANDED RATINGS

ES4BE-018K with B6BM-X24K-(A,B)

CFM	O.D.T		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.
505	80	62	19.1	15.8	1.23	18.2	15.5	1.36	17.4	15.3	1.50	16.4	15.2	1.67	15.4	14.6	1.85
	80	67	20.7	13.4	1.23	19.8	13.0	1.36	18.9	12.7	1.51	17.8	12.2	1.67	16.7	11.7	1.85
	80	72	22.7	10.8	1.23	21.7	10.5	1.35	20.6	10.1	1.51	19.4	9.7	1.67	18.1	9.3	1.85
	75	63	19.2	13.0	1.23	18.4	12.6	1.36	17.5	12.2	1.51	16.5	11.8	1.67	15.4	11.3	1.85
555	80	62	19.4	16.7	1.25	18.6	16.4	1.38	17.7	16.3	1.52	16.7	16.0	1.69	15.7	15.5	1.87
	80	67	21.1	14.0	1.25	20.1	13.6	1.37	19.2	13.2	1.52	18.1	12.8	1.69	16.9	12.3	1.87
	80	72	22.9	11.2	1.25	21.8	10.9	1.37	20.8	10.5	1.52	19.6	10.1	1.69	18.3	9.6	1.87
	75	63	19.6	13.6	1.25	18.7	13.2	1.38	17.8	12.8	1.52	16.8	12.3	1.69	15.6	11.8	1.87
605	80	62	19.7	17.9	1.27	18.9	17.3	1.39	18.0	17.1	1.54	17.0	16.8	1.70	16.0	16.0	1.89
	80	67	21.4	14.6	1.27	20.4	14.2	1.39	19.4	13.8	1.54	18.3	13.4	1.71	17.0	12.9	1.89
	80	72	23.1	11.6	1.27	22.1	11.2	1.39	21.0	10.8	1.54	19.8	10.4	1.71	18.5	9.9	1.89
	75	63	19.8	14.1	1.28	18.9	13.7	1.39	18.0	13.3	1.54	17.0	12.9	1.71	15.8	12.3	1.89

ES4BE-024K with B6BM-X24K-(A,B)

CFM	O.D.T		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.
650	80	62	23.9	20.2	1.54	22.9	19.8	1.70	21.7	19.5	1.89	20.5	19.3	2.10	19.2	18.6	2.34
	80	67	25.9	17.1	1.55	24.8	16.6	1.71	23.6	16.1	1.89	22.3	15.6	2.11	20.8	15.0	2.35
	80	72	28.7	13.7	1.56	27.4	13.2	1.72	26.0	12.8	1.90	24.5	12.3	2.12	22.9	11.7	2.36
	75	63	24.1	16.6	1.55	23.1	16.1	1.71	22.0	15.6	1.89	20.7	15.0	2.10	19.3	14.4	2.34
750	80	62	24.5	21.8	1.59	23.5	21.4	1.74	22.3	21.3	1.93	21.1	20.8	2.14	19.8	19.8	2.38
	80	67	26.6	18.3	1.59	25.4	17.8	1.74	24.1	17.3	1.93	22.7	16.7	2.14	21.2	16.1	2.38
	80	72	29.2	14.5	1.60	27.9	14.0	1.75	26.4	13.5	1.94	24.9	13.0	2.16	23.1	12.5	2.39
	75	63	24.7	17.7	1.59	23.6	17.2	1.74	22.4	16.7	1.93	21.1	16.1	2.14	19.7	15.5	2.38
850	80	62	25.1	23.7	1.63	24.0	23.0	1.78	22.9	22.4	1.97	21.7	21.7	2.18	20.4	20.4	2.42
	80	67	27.1	19.4	1.63	25.8	18.9	1.78	24.5	18.4	1.97	23.0	17.8	2.18	21.4	17.2	2.42
	80	72	29.5	15.2	1.64	28.2	14.8	1.79	26.6	14.3	1.98	24.9	13.7	2.19	23.2	13.1	2.43
	75	63	25.2	18.7	1.63	24.0	18.2	1.78	22.8	17.7	1.97	21.4	17.1	2.18	19.9	16.4	2.42

ES4BE-030K with B6BM-X24K-(A,B)

CFM	O.D.T		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.
785	80	62	29.3	24.4	1.90	28.0	23.9	2.09	26.7	23.6	2.32	25.3	23.3	2.57	23.6	22.5	2.87
	80	67	31.7	20.6	1.90	30.3	20.0	2.10	28.9	19.4	2.32	27.3	18.8	2.58	25.5	18.1	2.87
	80	72	34.7	16.6	1.90	33.1	16.1	2.10	31.5	15.5	2.33	29.6	14.9	2.59	27.7	14.2	2.88
	75	63	29.5	20.0	1.90	28.3	19.4	2.09	26.9	18.8	2.32	25.4	18.2	2.58	23.8	17.4	2.87
885	80	62	29.9	26.0	1.94	28.7	25.5	2.13	27.3	25.3	2.36	25.8	24.8	2.61	24.2	24.0	2.91
	80	67	32.4	21.8	1.94	30.9	21.2	2.13	29.4	20.6	2.36	27.8	19.9	2.62	25.9	19.2	2.91
	80	72	35.0	17.3	1.95	33.4	16.8	2.14	31.8	16.2	2.37	30.0	15.6	2.63	28.0	14.9	2.92
	75	63	30.2	21.1	1.94	28.8	20.5	2.13	27.4	19.9	2.36	25.9	19.2	2.61	24.1	18.5	2.91
985	80	62	30.5	28.0	1.99	29.2	27.2	2.17	27.8	26.7	2.39	26.3	26.3	2.65	24.8	24.8	2.95
	80	67	32.9	22.9	1.99	31.4	22.3	2.17	29.8	21.7	2.40	28.1	21.0	2.66	26.2	20.2	2.95
	80	72	35.5	18.0	2.00	33.9	17.5	2.18	32.2	16.9	2.41	30.4	16.3	2.67	28.3	15.6	2.96
	75	63	30.6	22.1	1.99	29.2	21.6	2.17	27.8	20.9	2.40	26.2	20.2	2.65	24.4	19.4	2.95

ES4BE-036K with B6BM-X36K-B

CFM	O.D.T		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.
985	80	62	35.4	30.1	2.26	33.9	29.5	2.49	32.1	29.0	2.77	30.2	28.7	3.07	28.1	27.5	3.43
	80	67	38.4	25.4	2.27	36.7	24.7	2.51	34.8	23.9	2.78	32.7	23.0	3.09	30.3	22.1	3.44
	80	72	42.2	20.3	2.29	40.3	19.7	2.53	38.1	18.9	2.80	35.6	18.1	3.11	32.8	17.3	3.46
	75	63	35.7	24.6	2.27	34.2	23.9	2.50	32.4	23.1	2.77	30.4	22.2	3.08	28.2	21.3	3.43
1085	80	62	36.0	31.8	2.31	34.4	31.1	2.53	32.6	30.9	2.81	30.7	30.1	3.12	28.7	28.7	3.47
	80	67	39.0	26.5	2.32	37.2	25.8	2.55	35.2	25.0	2.82	33.1	24.1	3.13	30.7	23.2	3.48
	80	72	42.5	21.1	2.34	40.6	20.4	2.57	38.3	19.7	2.84	35.7	18.8	3.15	33.2	17.9	3.50
	75	63	36.3	25.7	2.31	34.7	25.0	2.54	32.8	24.2	2.81	30.8	23.3	3.12	28.5	22.3	3.47
1185	80	62	36.5	33.9	2.36	35.0	32.9	2.57	33.2	32.2	2.85	31.3	31.3	3.16	29.4	29.4	3.51
	80	67	39.5	27.7	2.37	37.7	27.0	2.59	35.7	26.1	2.86	33.4	25.2	3.17	31.0	24.2	3.52
	80	72	42.7	21.8	2.39	40.7	21.2	2.61	38.5	20.4	2.88	36.1	19.5	3.19	33.4	18.5	3.54
	75	63	36.8	26.7	2.36	35.1	26.0	2.58	33.2	25.2	2.85	31.1	24.2	3.16	28.8	23.2	3.51

14 SEER AHU COOLING EXPANDED RATINGS (CONTINUED)

ES4BE-042K with B6BM-X42K-B

O.D.T			75°F			85°F			95°F			105°F			115°F		
CFM	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.
1150	80	62	41.8	35.3	2.69	40.0	34.6	2.97	37.9	34.0	3.29	35.6	33.6	3.65	33.2	32.3	4.05
	80	67	45.2	29.7	2.70	43.3	28.9	2.98	41.0	28.0	3.29	38.5	27.0	3.65	35.8	25.9	4.05
	80	72	49.6	23.9	2.70	47.4	23.1	2.98	44.8	22.2	3.29	41.9	21.3	3.65	38.8	20.3	4.06
	75	63	42.2	28.9	2.70	40.3	28.1	2.98	38.2	27.1	3.29	35.9	26.1	3.65	33.4	25.0	4.06
1250	80	62	42.4	36.9	2.74	40.6	36.1	3.01	38.4	35.9	3.32	36.1	35.0	3.68	33.7	33.7	4.09
	80	67	45.9	30.9	2.74	43.8	30.1	3.01	41.5	29.1	3.33	38.9	28.1	3.69	36.2	27.0	4.09
	80	72	50.0	24.6	2.75	47.7	23.9	3.02	45.1	23.0	3.33	42.0	22.0	3.69	39.0	20.9	4.09
	75	63	42.8	30.0	2.75	40.9	29.2	3.01	38.7	28.2	3.33	36.3	27.1	3.69	33.7	26.0	4.10
1350	80	62	42.9	39.1	2.79	41.1	38.0	3.05	39.0	37.3	3.36	36.7	36.5	3.72	34.4	34.4	4.13
	80	67	46.4	32.0	2.80	44.3	31.2	3.06	41.9	30.2	3.36	39.3	29.2	3.72	36.5	28.0	4.13
	80	72	50.2	25.3	2.80	48.0	24.6	3.06	45.2	23.7	3.37	42.3	22.7	3.73	39.3	21.6	4.13
	75	63	43.3	31.0	2.80	41.3	30.2	3.05	39.1	29.2	3.37	36.6	28.1	3.73	34.0	26.9	4.13

ES4BE-048K with B6BM-X48K-C

O.D.T			75°F			85°F			95°F			105°F			115°F		
CFM	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.
1400	80	62	47.6	41.4	3.12	45.6	40.6	3.44	43.2	39.9	3.78	40.8	39.5	4.18	38.1	37.7	4.65
	80	67	51.4	34.7	3.13	49.2	33.8	3.45	46.6	32.7	3.79	43.9	31.6	4.19	40.9	30.4	4.65
	80	72	56.2	27.7	3.14	53.7	26.8	3.47	50.8	25.8	3.80	47.5	24.8	4.20	44.1	23.6	4.65
	75	63	48.0	33.7	3.12	45.9	32.7	3.44	43.5	31.7	3.79	40.9	30.5	4.18	38.1	29.3	4.65
1500	80	62	48.1	43.0	3.16	46.1	42.1	3.48	43.7	41.8	3.82	41.3	40.6	4.22	38.8	38.8	4.68
	80	67	52.0	35.8	3.18	49.7	34.9	3.49	47.1	33.9	3.83	44.3	32.7	4.22	41.2	31.5	4.68
	80	72	56.5	28.4	3.19	53.9	27.5	3.50	50.8	26.5	3.84	47.7	25.4	4.23	44.4	24.3	4.69
	75	63	48.5	34.7	3.17	46.4	33.8	3.48	43.9	32.7	3.82	41.3	31.5	4.22	38.4	30.3	4.69
1600	80	62	48.6	45.3	3.22	46.6	44.0	3.51	44.3	43.0	3.86	41.9	41.8	4.25	39.4	39.4	4.72
	80	67	52.5	36.9	3.23	50.1	36.0	3.53	47.4	34.9	3.87	44.5	33.8	4.26	41.4	32.5	4.72
	80	72	56.5	29.1	3.24	54.0	28.2	3.54	51.1	27.2	3.88	48.0	26.1	4.27	44.6	24.9	4.73
	75	63	48.9	35.7	3.22	46.7	34.8	3.52	44.2	33.7	3.86	41.6	32.5	4.26	38.6	31.2	4.73

ES4BE-060K with B6BM-X60K-C

O.D.T			75°F			85°F			95°F			105°F			115°F		
CFM	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.
1600	80	62	59.6	49.6	3.92	57.1	48.7	4.32	54.2	47.8	4.77	51.0	47.3	5.27	47.6	45.5	5.84
	80	67	64.6	42.2	3.95	61.8	41.0	4.36	58.6	39.5	4.81	55.1	38.1	5.31	51.3	36.5	5.89
	80	72	70.9	33.8	3.99	67.7	32.7	4.41	64.0	31.5	4.86	60.1	30.1	5.37	55.6	28.7	5.94
	75	63	60.2	40.8	3.93	57.6	39.6	4.33	54.7	38.3	4.78	51.4	36.9	5.28	47.9	35.3	5.85
1700	80	62	60.3	51.3	3.97	57.7	50.2	4.36	54.7	49.9	4.81	51.6	48.8	5.31	48.1	47.3	5.89
	80	67	65.3	43.1	4.01	62.4	42.0	4.40	59.1	40.6	4.85	55.6	39.2	5.35	51.7	37.6	5.93
	80	72	71.3	34.5	4.06	68.1	33.5	4.46	64.4	32.2	4.90	60.3	30.9	5.41	55.6	29.4	5.98
	75	63	60.9	41.9	3.98	58.2	40.7	4.37	55.2	39.4	4.82	51.9	37.9	5.32	48.2	36.3	5.90
1800	80	62	60.8	53.8	4.03	58.3	52.3	4.41	55.3	51.3	4.85	52.0	50.6	5.35	48.5	48.5	5.93
	80	67	65.9	44.2	4.07	62.9	43.1	4.45	59.6	41.7	4.89	55.9	40.3	5.39	52.0	38.6	5.97
	80	72	71.7	35.3	4.12	68.5	34.2	4.50	64.6	33.0	4.94	60.3	31.6	5.44	55.9	30.0	6.02
	75	63	61.5	42.9	4.04	58.7	41.8	4.42	55.6	40.4	4.86	52.2	38.9	5.36	48.5	37.3	5.94



GENERAL TERMS OF LIMITED WARRANTY

NORDYNE will furnish a replacement for any part of this product 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.

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