

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.



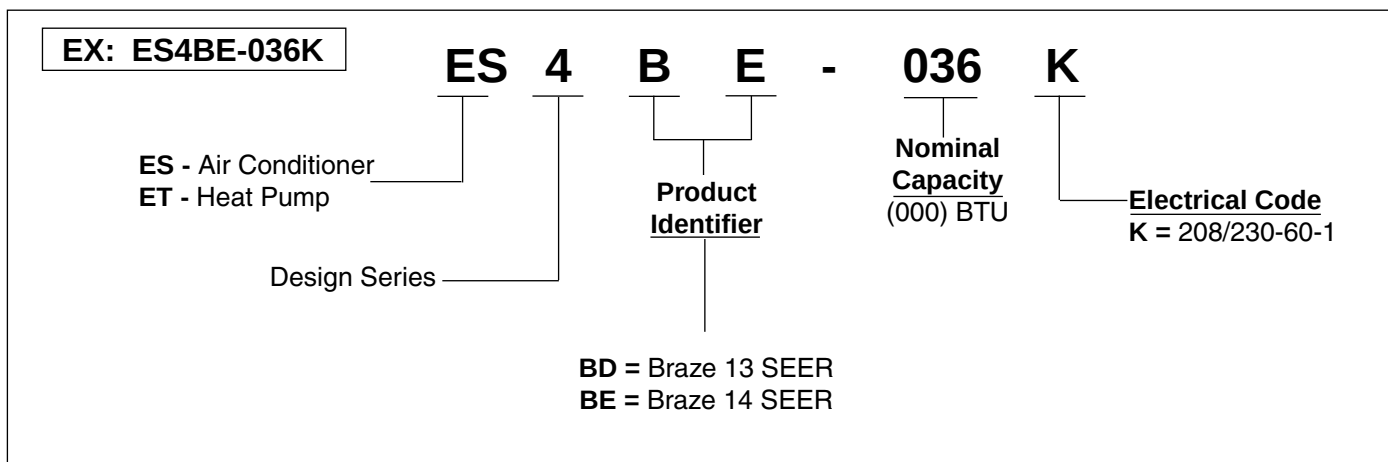
WARRANTY

- 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.

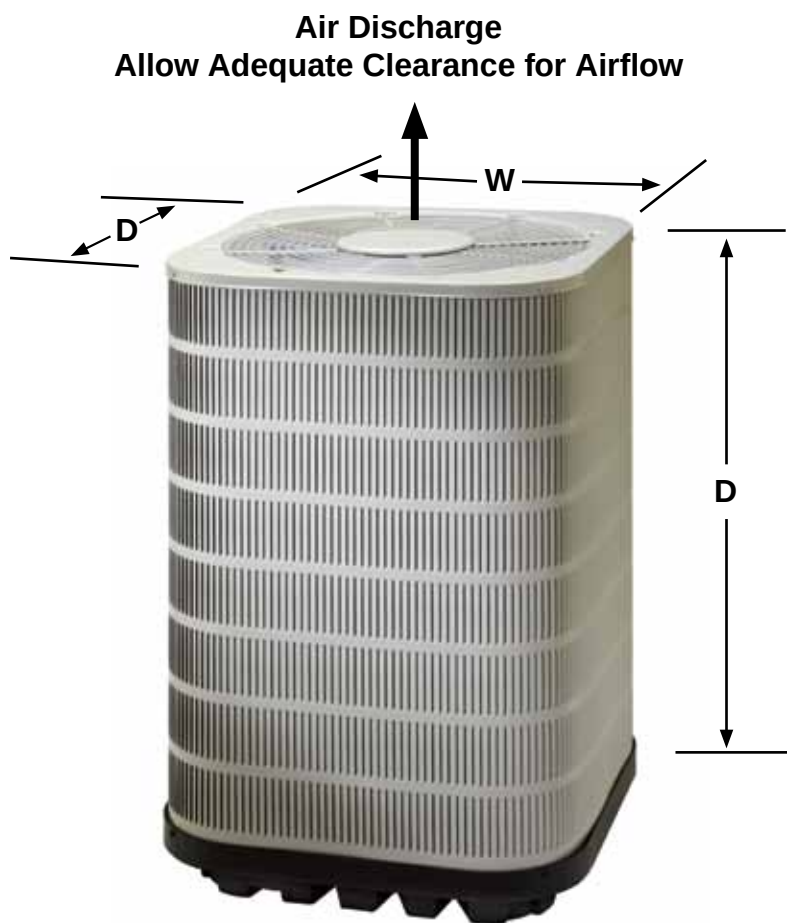
MODEL IDENTIFICATION CODES



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)
Refrigerant charge (R-410A) in ounces for outdoor unit, indoor unit and 15' lineset. (5)									
			109	112	118	136	157	234	234
Weight		Net	162	166	171	176	181	220	223
Approximate (lbs.)		Ship	171	175	180	185	190	232	235

(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

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

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

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 Model Number ES4BE	Indoor Unit + TDR	BTUH	SEER	EER	SCFM
018K	C6B(A,H)-X24(C,U)-(A,B)	19,000	14	13.2	550
024K	C6B(A,H)-X24(C,U)-(A,B)	24,000	14	12.4	759
030K	C6B(A,H)-X30(C,U)-(A,B)	30,000	14	12.7	950
036K	C6B(A,H)-X36(C,U)-(B,C)	34,400	14	12.2	1100
042K	C6B(A,H)-X42(C,U)-(B,C)	42,000	14	12.4	1250
048K	C6B(A,H)-X48(C,U)-(C,D)	46,500	14	12.5	1500
060K	C6B(A,H)-X60(C,U)-(C,D)	59,000	14	12.2	1650

SYSTEM COOLING CAPACITIES

14 SEER — High Efficiency — Single Phase

Outdoor Unit Model Number ES4BE	Indoor Unit Model Number	Cooling Capacity BTUH	SEER	EER	SCFM
018K	B5BM-X25K-A	18000	14	12.5	555
018K	B5BM-X25K-B	18000	14	12.5	555
024K	B5BM-X25K-A	24000	14	12.5	750
024K	B5BM-X25K-B	24000	14	12.5	750
030K	B5BM-X30K-A	29400	14	12.5	885
030K	B5BM-X30K-B	29400	14	12.5	885
036K	B5BM-X37K-B	35200	14.5	12.5	1085
042K	B5BM-X42K-B	41500	14.5	12.5	1250
048K	B5BM-X49K-C	47000	14	12.2	1500
060K	B5BM-X60K-C	59000	14	12.2	1700

Outdoor Unit Model Number ES4BE	Indoor Unit Model Number B4VM	Cooling Capacity Btu/h	SEER	EER	SCFM
018K	X24K-A	18,600	14.5	13.3	555
018K	X24K-B	19,000	15.0	13.5	555
024K	X24K-A	24,400	14.5	13.3	750
024K	X24K-B	24,600	15.0	13.5	750
030K	X30K-A	29,800	14.5	13.2	885
030K	X30K-B	30,000	15.0	13.5	885
036K	X36K-B	35,800	15.5	13.5	1085
042K	X48K-B	42,000	15.0	13.0	1250
042K	X48K-C	42,500	15.5	13.5	1250
048K	X48K-C	47,500	15.0	13.0	1500
060K	X60K-C	60,000	15.0	12.8	1600

¹ Orifice supplied with outdoor unit.

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

www.ahridirectory.org

AIR CONDITIONER COOLING EXPANDED RATINGS

ES4BE-018K with C6B(A,H)-X24(C,U)-(A,B)+TDR

ES4BE-018K with C6B(A,H)-X24(C,U)-(A,B)+MB6B(*)-(A,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.
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 C6B(A,H)-X24(C,U)-(A,B)+TDR

ES4BE-024K with C6B(A,H)-X24(C,U)-(A,B)+MB6B(*)-(A,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.
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 C6B(A,H)-X30(C,U)-(A,B,C)+TDR

ES4BE-030K with C6B(A,H)-X30(C,U)-(A,B,C)+MB6B(*)-(A,B,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.
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 C6B(A,H)-X36(C,U)-(B,C)+TDR

ES4BE-036K with C6B(A,H)-X36(C,U)-(B,C)+MB6B(*)-(B,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.
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

AIR CONDITIONER COOLING EXPANDED RATINGS (CONTINUED)

ES4BE-042K with C6B(A,H)-X42(C,U)-(B,C)+TDR

ES4BE-042K with C6B(A,H)-X42(C,U)-(B,C)+MB6B(*)-(B,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.
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 C6B(A,H)-X48(C,U)-(C,D)+TDR

ES4BE-048K with C6B(A,H)-X48(C,U)-C+MB6B(*)-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 C6B(A,H)-X60(C,U)-(C,D)+TDR

ES4BE-060K with C6B(A,H)-X60(C,U)-C+MB6B(*)-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

AIR CONDITIONER VSB COOLING EXPANDED RATINGS

ES4BE-018K with C6B(A,H)-X24(C,U)-(A,B)+VSB
ES4BE-018K with B4VM-X24K-(A,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.
505	80	62	19.5	16.2	1.12	18.6	15.9	1.25	17.8	15.7	1.39	16.8	15.6	1.56	15.7	15.0	1.74
	80	67	21.1	13.8	1.11	20.2	13.4	1.24	19.3	13.0	1.40	18.2	12.6	1.56	17.0	12.1	1.74
	80	72	23.1	11.2	1.10	22.1	10.9	1.24	21.0	10.5	1.39	19.7	10.1	1.56	18.5	9.6	1.74
	75	63	19.6	13.4	1.11	18.8	13.0	1.25	17.9	12.6	1.39	16.9	12.2	1.56	15.8	11.7	1.74
555	80	62	19.8	17.1	1.13	19.0	16.8	1.26	18.1	16.7	1.41	17.1	16.3	1.57	16.0	15.9	1.76
	80	67	21.5	14.4	1.13	20.5	14.0	1.26	19.5	13.6	1.41	18.5	13.2	1.57	17.3	12.7	1.76
	80	72	23.4	11.6	1.13	22.2	11.3	1.26	21.2	10.9	1.41	20.0	10.4	1.58	18.7	10.0	1.76
	75	63	20.0	14.0	1.14	19.1	13.6	1.27	18.2	13.2	1.41	17.2	12.7	1.58	16.0	12.2	1.76
605	80	62	20.1	18.2	1.17	19.3	17.7	1.28	18.4	17.4	1.43	17.4	17.2	1.59	16.4	16.4	1.78
	80	67	21.8	15.0	1.15	20.8	14.6	1.28	19.8	14.2	1.43	18.7	13.7	1.59	17.4	13.2	1.78
	80	72	23.6	12.0	1.14	22.5	11.6	1.28	21.4	11.2	1.43	20.2	10.8	1.60	18.9	10.3	1.78
	75	63	20.3	14.5	1.15	19.3	14.1	1.28	18.4	13.7	1.43	17.3	13.2	1.59	16.2	12.7	1.78

ES4BE-024K with C6B(A,H)-X24(C,U)-(A,B)+VSB
ES4BE-024K with B4VM-X24K-(A,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.
650	80	62	24.3	20.6	1.42	23.2	20.2	1.59	22.1	19.9	1.78	20.9	19.7	1.99	19.6	19.0	2.23
	80	67	26.4	17.5	1.42	25.2	17.0	1.59	24.0	16.5	1.78	22.7	15.9	1.99	21.2	15.3	2.23
	80	72	29.1	14.1	1.43	27.8	13.6	1.61	26.4	13.2	1.79	24.9	12.7	2.01	23.3	12.1	2.24
	75	63	24.6	16.9	1.42	23.5	16.5	1.59	22.4	16.0	1.78	21.1	15.4	1.99	19.7	14.8	2.23
750	80	62	24.9	22.2	1.46	23.8	21.8	1.63	22.7	21.7	1.82	21.5	21.1	2.03	20.2	20.2	2.27
	80	67	27.0	18.7	1.46	25.8	18.2	1.63	24.5	17.6	1.82	23.1	17.1	2.03	21.6	16.5	2.27
	80	72	29.8	14.9	1.47	28.3	14.4	1.64	26.8	13.9	1.83	25.2	13.4	2.04	23.5	12.9	2.28
	75	63	25.2	18.1	1.46	24.0	17.6	1.63	22.8	17.0	1.82	21.5	16.5	2.03	20.0	15.8	2.27
850	80	62	25.4	24.0	1.52	24.4	23.4	1.67	23.3	22.8	1.85	22.1	22.1	2.07	20.8	20.8	2.31
	80	67	27.5	19.8	1.50	26.2	19.3	1.67	24.9	18.8	1.86	23.4	18.2	2.07	21.8	17.5	2.31
	80	72	30.0	15.7	1.50	28.6	15.2	1.68	27.0	14.7	1.87	25.3	14.1	2.08	23.6	13.5	2.32
	75	63	25.6	19.1	1.50	24.4	18.6	1.67	23.2	18.1	1.86	21.8	17.5	2.07	20.3	16.8	2.31

ES4BE-030K with C6B(A,H)-X30(C,U)-(A,B,C)+VSB
ES4BE-030K with B4VM-X30K-(A,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.
785	80	62	29.8	24.8	1.77	28.4	24.3	1.98	27.1	23.9	2.21	25.6	23.7	2.46	24.0	22.9	2.76
	80	67	32.1	21.0	1.77	30.7	20.4	1.99	29.3	19.8	2.21	27.7	19.2	2.47	25.9	18.4	2.76
	80	72	35.1	17.0	1.77	33.5	16.5	1.99	31.8	15.9	2.22	30.0	15.3	2.48	28.1	14.6	2.77
	75	63	30.0	20.4	1.77	28.7	19.8	1.98	27.3	19.2	2.21	25.8	18.6	2.46	24.1	17.8	2.76
885	80	62	30.4	26.4	1.81	29.0	25.9	2.02	27.7	25.7	2.24	26.2	25.2	2.50	24.6	24.4	2.80
	80	67	32.8	22.2	1.81	31.3	21.6	2.02	29.8	21.0	2.25	28.2	20.3	2.51	26.3	19.6	2.80
	80	72	35.6	17.7	1.82	33.8	17.2	2.03	32.2	16.6	2.26	30.4	16.0	2.52	28.4	15.3	2.81
	75	63	30.6	21.5	1.81	29.2	20.9	2.02	27.8	20.3	2.25	26.2	19.6	2.50	24.5	18.8	2.80
985	80	62	30.8	28.3	1.88	29.6	27.6	2.06	28.2	27.1	2.28	26.7	26.7	2.54	25.2	25.2	2.83
	80	67	33.3	23.3	1.85	31.7	22.7	2.06	30.2	22.1	2.29	28.5	21.4	2.54	26.6	20.6	2.84
	80	72	36.0	18.5	1.85	34.2	17.9	2.07	32.6	17.3	2.30	30.8	16.7	2.55	28.7	15.9	2.84
	75	63	31.0	22.5	1.85	29.6	21.9	2.06	28.2	21.3	2.29	26.6	20.6	2.54	24.8	19.8	2.84

ES4BE-036K with C6B(A,H)-X36(C,U)-(B,C)+VSB
ES4BE-036K with B4VM-X36K-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.
985	80	62	35.9	30.5	2.13	34.3	29.9	2.38	32.5	29.4	2.65	30.6	29.1	2.96	28.5	27.9	3.32
	80	67	38.8	25.8	2.14	37.1	25.1	2.40	35.2	24.3	2.67	33.0	23.4	2.98	30.7	22.4	3.33
	80	72	42.6	20.7	2.15	40.6	20.1	2.42	38.4	19.3	2.69	36.0	18.5	3.00	33.2	17.6	3.35
	75	63	36.2	25.0	2.13	34.6	24.3	2.39	32.8	23.5	2.66	30.8	22.6	2.97	28.6	21.7	3.32
1085	80	62	36.4	32.1	2.17	34.8	31.5	2.42	33.0	31.3	2.69	31.1	30.5	3.00	29.1	29.1	3.36
	80	67	39.4	26.9	2.18	37.6	26.2	2.44	35.6	25.4	2.71	33.4	24.5	3.02	31.1	23.5	3.37
	80	72	43.2	21.5	2.20	41.0	20.8	2.46	38.6	20.1	2.73	36.1	19.2	3.04	33.5	18.3	3.39
	75	63	36.8	26.1	2.18	35.1	25.4	2.43	33.2	24.5	2.70	31.2	23.6	3.01	28.9	22.7	3.36
1185	80	62	36.8	34.2	2.24	35.4	33.3	2.46	33.6	32.6	2.73	31.7	31.7	3.04	29.7	29.7	3.40
	80	67	40.0	28.1	2.23	38.1	27.3	2.48	36.0	26.5	2.75	33.8	25.6	3.06	31.3	24.6	3.41
	80	72	43.2	22.2	2.24	41.1	21.5	2.50	38.9	20.7	2.77	36.4	19.9	3.08	33.8	18.9	3.43
	75	63	37.2	27.1	2.22	35.5	26.4	2.47	33.6	25.6	2.74	31.5	24.6	3.05	29.2	23.6	3.40

AIR CONDITIONER VSB COOLING EXPANDED RATINGS (CONTINUED)

ES4BE-042K with C6B(A,H)-X42(C,U)-(B,C)+VSB

ES4BE-042K with B4VM-X48K-(B,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.
1150	80	62	42.3	35.7	2.56	40.4	35.0	2.86	38.3	34.4	3.17	36.0	33.9	3.54	33.6	32.6	3.94
	80	67	45.7	30.2	2.56	43.7	29.3	2.87	41.4	28.4	3.18	38.9	27.4	3.54	36.2	26.3	3.94
	80	72	50.0	24.3	2.55	47.8	23.5	2.87	45.2	22.6	3.18	42.3	21.7	3.54	39.2	20.7	3.94
	75	63	42.6	29.3	2.56	40.7	28.5	2.86	38.6	27.5	3.18	36.3	26.5	3.54	33.7	25.4	3.95
1250	80	62	42.8	37.3	2.60	41.0	36.5	2.90	38.8	36.2	3.21	36.5	35.4	3.57	34.1	34.1	3.98
	80	67	46.3	31.3	2.59	44.2	30.5	2.90	41.9	29.5	3.22	39.3	28.5	3.57	36.5	27.3	3.98
	80	72	50.6	25.0	2.60	48.1	24.2	2.91	45.4	23.4	3.22	42.4	22.4	3.58	39.4	21.3	3.98
	75	63	43.3	30.4	2.60	41.3	29.5	2.90	39.1	28.6	3.22	36.6	27.5	3.58	34.1	26.4	3.98
1350	80	62	43.2	39.4	2.67	41.5	38.4	2.93	39.3	37.6	3.25	37.1	36.9	3.61	34.8	34.8	4.02
	80	67	46.9	32.4	2.64	44.7	31.6	2.94	42.3	30.6	3.25	39.6	29.5	3.61	36.8	28.4	4.02
	80	72	50.8	25.8	2.64	48.3	25.0	2.95	45.6	24.1	3.26	42.7	23.0	3.61	39.7	22.0	4.02
	75	63	43.7	31.4	2.65	41.7	30.6	2.94	39.4	29.6	3.25	37.0	28.5	3.61	34.4	27.3	4.02

ES4BE-048K with C6B(A,H)-X48(C,U)-(C,D)+VSB

ES4BE-048K with B4VM-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	48.1	41.8	2.97	45.9	41.0	3.32	43.6	40.3	3.67	41.1	39.8	4.07	38.5	38.1	4.53
	80	67	51.9	35.1	2.98	49.6	34.2	3.34	47.0	33.1	3.68	44.3	32.0	4.07	41.3	30.8	4.53
	80	72	56.7	28.0	2.98	54.1	27.2	3.35	51.2	26.2	3.69	47.9	25.2	4.08	44.5	24.0	4.54
	75	63	48.5	34.1	2.98	46.3	33.1	3.33	43.9	32.1	3.67	41.3	30.9	4.07	38.5	29.7	4.54
1500	80	62	48.6	43.4	3.02	46.5	42.5	3.36	44.1	42.2	3.71	41.7	41.0	4.10	39.2	39.2	4.57
	80	67	52.4	36.3	3.02	50.0	35.3	3.38	47.4	34.2	3.72	44.6	33.1	4.11	41.6	31.8	4.57
	80	72	57.2	28.8	3.03	54.3	27.9	3.39	51.2	26.9	3.73	48.1	25.8	4.12	44.8	24.6	4.58
	75	63	49.0	35.2	3.02	46.7	34.2	3.37	44.3	33.1	3.71	41.7	31.9	4.11	38.8	30.7	4.58
1600	80	62	48.9	45.5	3.10	47.0	44.3	3.40	44.6	43.4	3.74	42.2	42.2	4.14	39.7	39.7	4.61
	80	67	53.0	37.4	3.07	50.4	36.4	3.41	47.8	35.3	3.76	44.9	34.1	4.15	41.8	32.9	4.61
	80	72	57.1	29.5	3.07	54.3	28.6	3.43	51.5	27.6	3.77	48.4	26.5	4.16	45.0	25.3	4.61
	75	63	49.4	36.2	3.07	47.1	35.2	3.41	44.6	34.1	3.75	41.9	32.9	4.15	39.0	31.6	4.61

ES4BE-060K with C6B(A,H)-X60(C,U)-(C,D)+VSB

ES4BE-060K with B4VM-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	60.2	50.0	3.76	57.5	49.0	4.21	54.6	48.2	4.65	51.4	47.7	5.15	48.0	45.9	5.73
	80	67	65.1	42.6	3.79	62.2	41.4	4.25	59.0	39.9	4.69	55.5	38.5	5.20	51.7	36.9	5.78
	80	72	71.3	34.2	3.82	68.1	33.1	4.30	64.4	31.9	4.75	60.5	30.5	5.25	56.0	29.1	5.83
	75	63	60.7	41.2	3.77	58.0	40.0	4.22	55.1	38.7	4.66	51.8	37.3	5.16	48.2	35.7	5.74
1700	80	62	60.7	51.6	3.81	58.1	50.6	4.25	55.1	50.3	4.70	51.9	49.1	5.20	48.5	47.7	5.78
	80	67	65.8	43.5	3.83	62.8	42.4	4.29	59.5	41.0	4.74	55.9	39.6	5.24	52.0	38.0	5.82
	80	72	72.1	35.0	3.89	68.5	33.9	4.34	64.8	32.6	4.79	60.7	31.3	5.29	56.0	29.8	5.87
	75	63	61.5	42.3	3.82	58.6	41.1	4.26	55.6	39.8	4.71	52.2	38.3	5.21	48.6	36.7	5.78
1800	80	62	61.1	54.1	3.91	58.7	52.7	4.29	55.7	51.7	4.74	52.4	51.0	5.24	48.9	48.9	5.82
	80	67	66.4	44.7	3.89	63.3	43.5	4.33	59.9	42.1	4.78	56.3	40.6	5.28	52.3	39.0	5.86
	80	72	72.3	35.8	3.93	68.9	34.6	4.38	65.0	33.3	4.83	60.7	32.0	5.33	56.3	30.4	5.91
	75	63	61.9	43.3	3.87	59.1	42.2	4.30	56.0	40.8	4.75	52.6	39.3	5.25	48.9	37.7	5.82



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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 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 NORDYNE warranty department for a copy.

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