

TECHNICAL SPECIFICATIONS

ES4(B,Q)E Series

1.5 - 3 Ton Capacity

ES6(B,Q)F Series

3.5 - 4 Ton Capacity

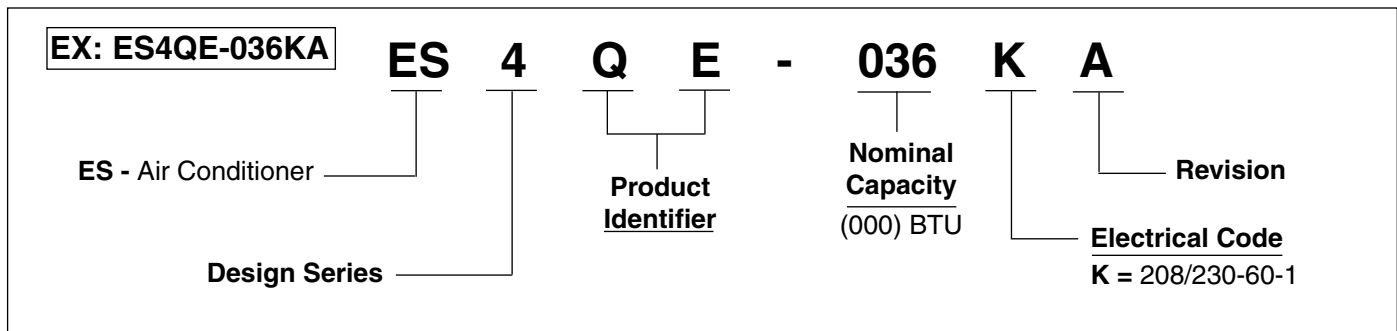
The ES4(B,Q)E and ES6(B,Q)F series of air conditioners offers exceptional performance. The unit, when combined with our engineered coils, offers a line of quality, 14 SEER split system cooling equipment.



FEATURES and BENEFITS

- **Composite Base Pan:** Absorbs sound and corrosion resistant. Composite is also stronger and lighter than steel.
- **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:** Durable metal guard protects the coil from yard hazards and extreme weather.
- **Anteater MC[®] Micro-Channel:** All aluminum coils in all models which provides high corrosion resistance.

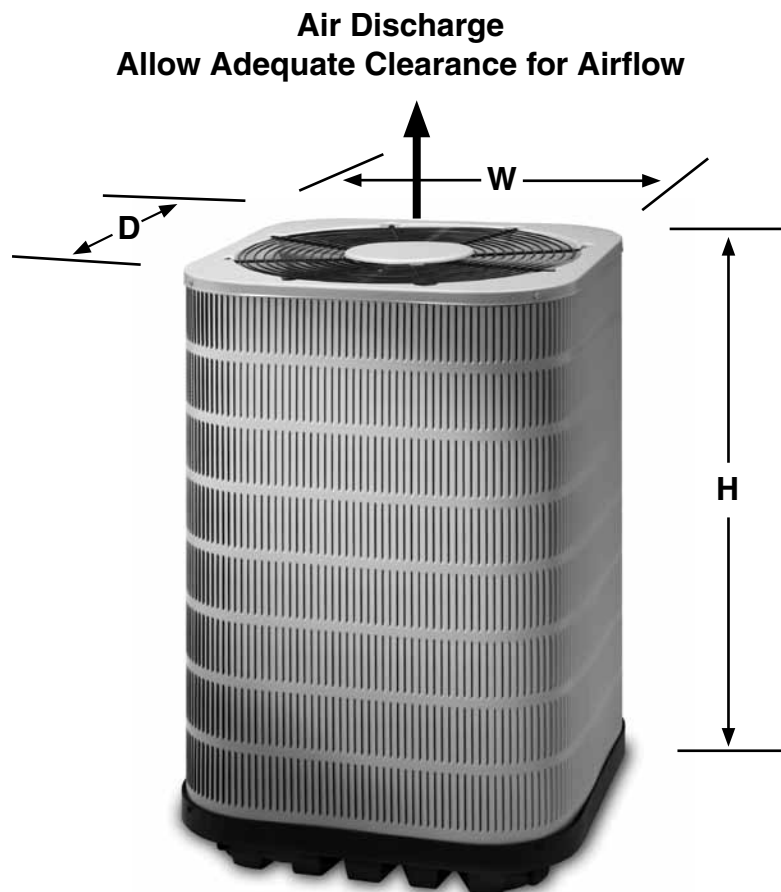
MODEL IDENTIFICATION CODES



DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

	ES4BE-018KA	ES4(B,Q)E-024KA	ES4(B,Q)E-030KA	ES4(B,Q)E-036KA	ES6(B,Q)F-042K	ES6(B,Q)F-048K
H	27 1/2"	31 1/2"	27 1/2"	35 1/2"	43"	43"
W	22 3/4"	22 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"



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

14 SEER — Extra High Efficiency — Single Phase

Model Number		ES4BE-018KA	ES4(B,Q)E-024KA	ES4(B,Q)E-030KA	ES4(B,Q)E-036KA	ES6(B,Q)F-042K	ES6(B,Q)F-048K	
Electrical Data	Volts-Cycles-Phase (1)	208/230-60-1						
	Total Amps	9.9	14.4	15.0	15.1	19.4	22.4	
	Delay Fuse Max. (2)	20	30	30	30	40	45	
	Min. Circuit Ampacity	12.1	17.7	18.5	18.6	23.9	27.4	
Component Data	Coil	Area	10	11.7	15.2	20.3	25.3	25.3
		Rows-FPI	1-23	1-23	1-18	1-18	1-23	1-23
		Tube Dia	Micro-Channel					
	Fan Motor	Type	PSC					BLDC
		Amps	0.9	0.9	0.9	1.0	1.5	2.6
		HP	0.13	0.13	0.13	0.20	0.25	0.33
	Compressor Data	RLA	9.0	13.4	14.1	14.1	17.9	19.8
		LRA	48.0	58.3	73.0	77.0	112.0	109.0
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"	
	25-39 ft.	3/4"	3/4"	3/4"	7/8" (3)	7/8"	7/8"	
	40-75 ft.	3/4"	3/4"	3/4"	7/8" (3)	7/8"	7/8"	
Refrigerant Charge: R-410A in ounces for outdoor unit, indoor unit, & 15' Lineset (BE / QE)		39.0	45 / 40	51 / 53	62 / 58	91 / 91	94 / 94	
Approximate Weight (lbs.)	Net	107	127	132	146	208	218	
	Ship	113	134	140	155	217	227	
Sound Rating dB		74	74	75	79	79	75	

(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.

NOTE: Dashed lines signify preliminary data

ES4(B,Q)E & ES6(B,Q)F ACCESSORIES

Description	Part Number
Start Assist Kit - Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.	912933
Fan Delay Kit (TDR) - 80-second fan delay.	918476
Insulated Pre-Charged Line Sets - A line set consists of a liquid line, an insulated suction line, service gaugeports, and the quick-connect coupling. 15, 20, 25, 30, 40, and 50 ft. lengths are available. Lines are factory pre-charged such that no additional refrigerant charge is required on matched systems.	
Extreme Wind Condition Mounting Kit	920900
Outdoor Thermostat - Two-stage logic provides ability to lock out electric strips down to balance point and bring on in stages.	913852
Filter Kit, 18"	921784
Filter Kit, 24"	921785
Filter Kit, 28"	1006697
Coil Box, M1/M7	922594
Coil Box, E3/E4, Upflow	902976
Coil Box, E3/E4, Front Return	904067

SYSTEM COOLING CAPACITIES

14 SEER — Extra High Efficiency — Single Phase

With M1 & M7 (+ Coleman/Vexar Gas or Electric)						
Outdoor Unit	Indoor Unit	Coil Height	Cooling Capacity	SEER	EER	SCFM
ES4QE-024KA	C8QAMX24U-B	18"	23400	14	12.2	780
ES4QE-030KA	C8QAMX30U-B	18"	29000	14	12.2	1000
ES4QE-036KA	C8QAMX36U-B	18"	34,000	14	12.2	1,200
ES6QF-042K	C8QAMX42U-B	24" *	40,000	14	12.2	1,250
ES6QF-048K	C8QAMX48U-B	24" *	44,000	14	12.2	1,440

ES4BE-018KA	C8(B,D)AMX24U-B	18"	18000	14	12.2	675
ES4BE-024KA	C8(B,D)AMX24U-B	18"	24000	14	12.2	845
ES4BE-030KA	C8(B,D)AMX30U-B	18"	29000	14	12.0	945
ES4BE-036KA	C8(B,D)AMX36U-B	18"	34,000	14	12.2	1,200
ES6BF-042K	C8(B,D)AMX42U-B	24" *	40,000	14	12.2	1,250
ES6BF-048K	C8(B,D)AMX48U-B	24" *	44,000	14	12.2	1,440

* Requires 922594 M1/M7 24" Coil Box

With E3/E4 Furnace						
Outdoor Unit	Indoor Unit	Coil Height	Cooling Capacity	SEER	EER	SCFM
ES4QE-024KA	C8QAMX24U-B	18"	23400	14	12.2	780
ES4QE-030KA	C8QAMX30U-B	18"	29000	14	12.2	1000
ES4QE-036KA	C8QAMX36U-B	18"	34,000	14	12.2	1,200
ES6QF-042K	C8QAMX42U-B	24"	40,000	14	12.2	1,250
ES6QF-048K	C8QAMX48U-B	24"	44,000	14	12.2	1,440

ES4BE-018KA	C8(B,D)AMX24U-B	18"	18000	14	12.2	675
ES4BE-024KA	C8(B,D)AMX24U-B	18"	24000	14	12.2	845
ES4BE-030KA	C8(B,D)AMX30U-B	18"	29000	14	12.0	945
ES4BE-036KA	C8(B,D)AMX36U-B	18"	34,000	14	12.2	1,200
ES6BF-042K	C8(B,D)AMX42U-B	24"	40,000	14	12.2	1,250
ES6BF-048K	C8(B,D)AMX48U-B	24"	44,000	14	12.2	1,440

See current AHRI Directory for certified combinations and ratings.

www.ahridirectory.org



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 terms and conditions 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 (03/2015)