

## TECHNICAL SPECIFICATIONS

### ES4(B,Q)D Series

#### High Efficiency Air Conditioner

13+ SEER

1.5 - 5 Ton Capacity

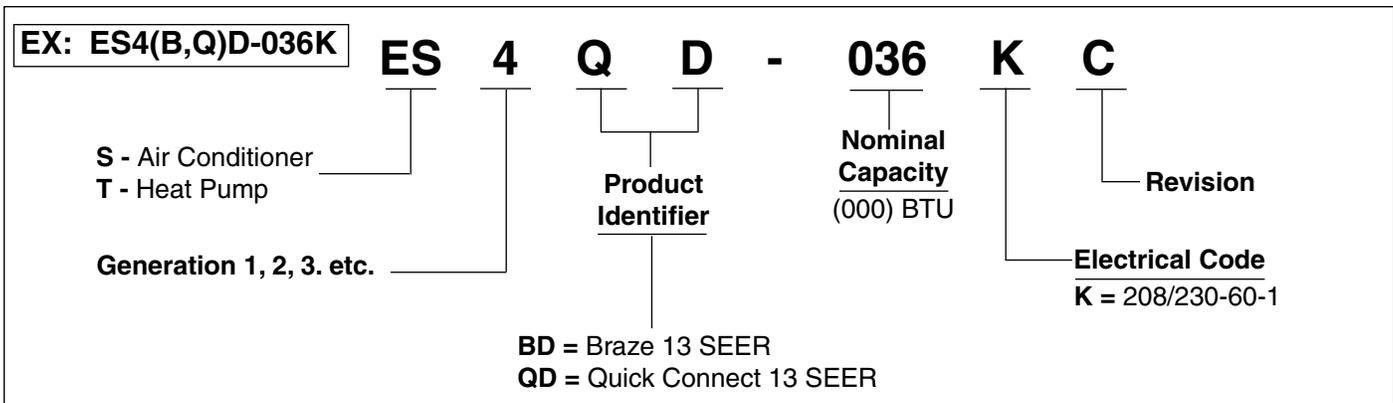
The ES4(B,Q)D unit, when combined with our matched indoor coils, offers a full line of quality, split-system air conditioning systems. Units are ideally sized for manufactured housing applications.



#### FEATURES and BENEFITS

- **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.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **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:** Factory 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.
- **Micro-Channel:** All aluminum coils in 1.5-5 ton models which provides high corrosion resistance.

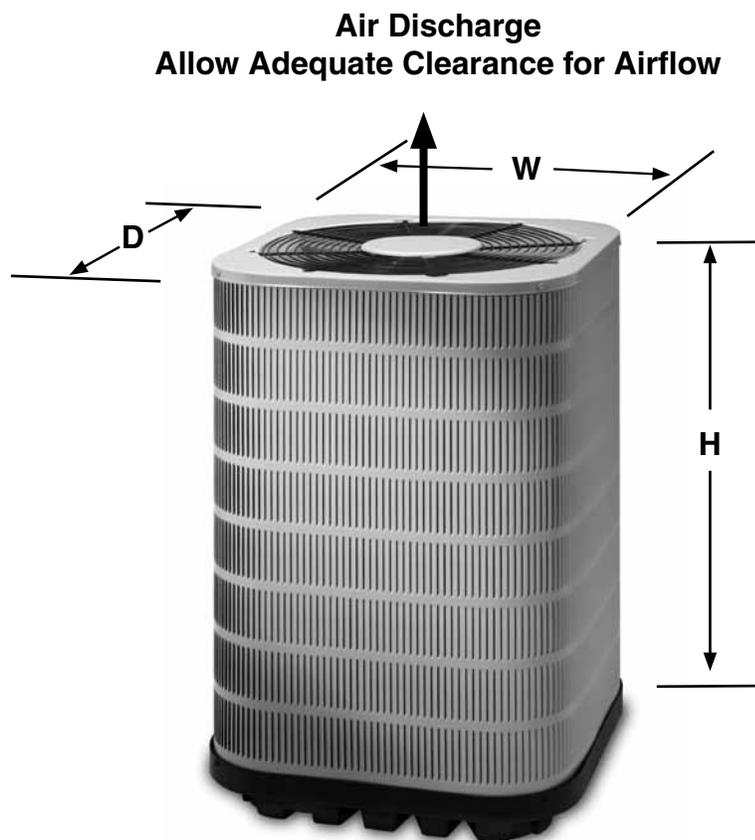
## MODEL IDENTIFICATION CODES



## DIMENSIONS

### AIR CONDITIONER OUTDOOR SECTION

ES4BD(QD)	018KB(N/A)	024KB(KC)	030KB(KC)	036KB(KC)	042KB(KD)	048KB(KC)	060KB(KB)
H	23	23	27	27	27	27	31
W	22-3/4	22-3/4	23-3/4	23-3/4	30-3/4	30-3/4	30-3/4
D	22-3/4	22-3/4	22-3/4	22-3/4	30-3/4	30-3/4	30-3/4



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 13 SEER — High Efficiency — Single Phase

Model Number ES4BD(QD)		018KB(N/A)	024KB(KC)	030KB(KC)	036KB(KC)	042KB(KD)	048KB(KC)	060KB(KB)	
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	9.3	13.5	14.8	18.0	19.4	23.2	27.8	
	Delay Fuse Max. (2)	20	25	30	35	40	50	60	
	Min. Circuit Ampacity	11.6	16.7	18.3	22.2	23.9	28.7	34.4	
Component Data	Coil	Area	8.3	8.3	10.0	10.0	15.3	15.3	17.9
		Rows-FPI	1-18	1-18	1-18	1-18	1-18	1-18	1-18
		Tube Dia	Micro-Channel						
	Fan Motor	Type	PSC						
		Amps	0.35	0.7	0.7	1.4	1.5	1.5	1.5
		HP	0.05	0.1	0.1	0.25	0.25	0.25	0.25
	Fan Blade	Dia - # Blades	18" - 3	18" - 3	18" - 3	18" - 4	24" - 2	24" - 2	24" - 2
		SCFM	2600	2800	3000	3000	3500	3500	3800
	Compressor Data	RLA	9.0	12.8	14.1	16.6	17.9	21.8	26.4
		LRA	48.0	58.3	73.0	79.0	112.0	117.0	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)	
Approximate Weight (lbs.)	Net	109	125	138	140	179	179	188	
	Ship	114	130	144	146	187	187	197	
Sound Rating db		74	74	74	76	79	78	79	

(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.

## ES4(B,Q)D 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
Coil Box, M1/M7	922594
Coil Box, E3/E4, Upflow	902976
Coil Box, E3/E4, Front Return	904067

# SYSTEM HEATING & COOLING CAPACITIES

## 13 SEER — High Efficiency — Single Phase

M1, M7		Coleman/Vexar/Revolv Gas or Electric				
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
ES4QD-024KC	C8QAM024U-B	20"	23,400	13.0	10.5	705
ES4QD-030KC	C8QAM030U-B	20"	28,800	13.0	10.5	960
ES4QD-036KC	C8QAM036U-B	20"	35,600	13.0	10.5	1190
ES4QD-042KD	CM4Q-53U	18.5"	39,500	13.0	10.2	1200
ES4QD-048KC	CM4Q-54U	18.5"	44,000	13.0	10.2	1415
ES4QD-060KB*	CM4Q-54U**	18.5"	50,000	13.0	10.2	1450

ES4BD-018KB	C8(B,D)AM01830U-B	20"	18,000	13.0	10.5	535
ES4BD-024KB	C8(B,D)AM01830U-B	20"	23,400	13.0	10.5	705
ES4BD-030KB	C8(B,D)AM01830U-B	20"	28,800	13.0	10.5	960
ES4BD-036KB	C8(B,D)AM036U-B	20"	35,600	13.0	10.5	1190
ES4BD-042KB	CM4B-53U	18.5"	40,000	13.0	10.2	1250
ES4BD-048KB	CM4B-54U	18.5"	44,500	13.0	10.2	1450
ES4BD-060KB*	CM4B-54U**	18.5"	50,000	13.0	10.2	1450

\* 5 ton condenser is not a valid match with the M7

\*\* Requires 5 ton blower on high speed

E3						
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
ES4QD-024KC	C8QAM024U-B	20"	23,400	13.0	10.5	705
ES4QD-030KC	C8QAM030U-B	20"	28,800	13.0	10.5	960
ES4QD-036KC	C8QAM036U-B	20"	35,600	13.0	10.5	1190
ES4QD-042KD	CM4Q-53U	18.5"	39,500	13.0	10.2	1200
ES4QD-048KC	CM4Q-54U	18.5"	44,000	13.0	10.2	1415
ES4QD-048KC	CM4Q-55U	24.5"	45,000	13.0	10.2	1415
ES4QD-060KB	CM4Q-56U**	24.5"	53,000	13.0	10.2	1600

ES4BD-018KB	C8(B,D)AM01830U-B	20"	18,000	13.0	10.5	535
ES4BD-024KB	C8(B,D)AM01830U-B	20"	23,400	13.0	10.5	705
ES4BD-030KB	C8(B,D)AM01830U-B	20"	28,800	13.0	10.5	960
ES4BD-036KB	C8(B,D)AM036U-B	20"	35,600	13.0	10.5	1190
ES4BD-042KB	CM4B-53U	18.5"	40,000	13.0	10.2	1250
ES4BD-048KB	CM4B-54U	18.5"	44,500	13.0	10.2	1450
ES4BD-048KB	CM4B-56U	24.5"	46,500	13.0	10.2	1500
ES4BD-060KB	CM4B-56U**	24.5"	53,000	13.0	10.2	1600

\*\* Requires 5 ton blower on high speed

See current AHRI Directory for certified combinations and ratings.

[www.ahridirectory.org](http://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)