

## TECHNICAL SPECIFICATIONS

### DS4(B,Q)D-KB/KC Series

#### DS4(B,Q)D-KB/KC Series High Efficiency Air Conditioner

**13+ SEER**  
**1.5 - 5 Ton Capacity**

The DS4(B,Q)D-KB/KC series now offers the choice of an air conditioner that uses more efficient and environmentally friendly refrigerant designated R-410A. The 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.



#### WARRANTY

- 1 year limited parts
- 5 year compressor
- 1 year mileage
- 1 year labor

#### FEATURES and BENEFITS

- **R-410A Refrigerant:** Earth friendly non-ozone depleting refrigerant.
- **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.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **Composite Base Pan:** Absorbs sound and corrosion resistant. Composite is also stronger and lighter than steel.
- **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.
- **Compressor:** All models utilize quiet and efficient Copeland Scroll Compressors.
- **Durable, Attractive Cabinet:** Designed using galvanized steel with a polyurethane finish. The 950 hour salt spray finish is 1.5 mil thick and resists corrosion 50% better than comparable units.
- **Steel Guard™:** Protects the unit coil from being damaged by balls, lawn mowers, hail, etc.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service calls.
- **Liquid Line Filter Drier:** Included with outdoor unit.
- **Micro-Channel Coils:** All aluminum coils in all models which provides high corrosion resistance.

## MODEL IDENTIFICATION CODES

EX: DS4(B,Q)D-036K C

**DS**

**4**

**Q**

**D**

**-**

**036**

**K**

**C**

S - Air Conditioner  
T - Heat Pump

Generation 1, 2, 3, etc.

Product  
Identifier

Nominal  
Capacity  
(000) BTU

Revision

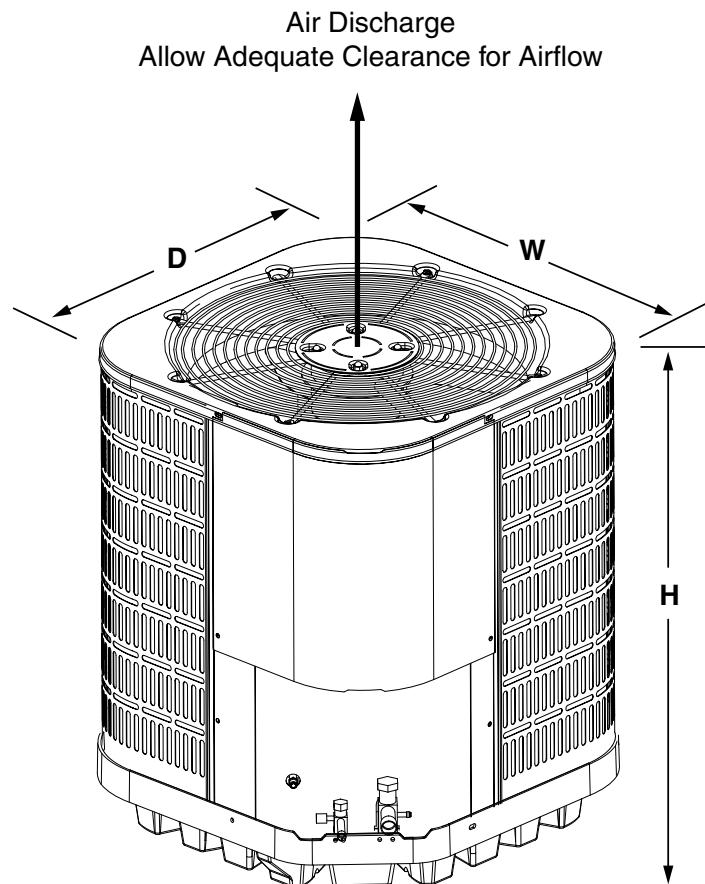
Electrical Code  
K = 208/230-60-1

BD = Braze 13 SEER  
QD = Quick Connect 13 SEER

## DIMENSIONS

### AIR CONDITIONER OUTDOOR SECTION

DS4(B,Q)D	018KB	024KC	030KC	036KC	042KC	048KB	060KB
H	23 1/2	23 1/2	27 1/2	27 1/2	27 1/2	27 1/2	31 1/2
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 DS4(B,Q)D-KB/KC			018KB	024KC	030KC	036KC	042KC	048KB	060KB
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	Micro-Channel	Micro-Channel	Micro-Channel	Micro-Channel	Micro-Channel	Micro-Channel
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	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			72	72	72	75	79	79	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.

## 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.

### Fan Delay Kit (TDR)

911758 - 80-second fan delay.

### 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

# SYSTEM HEATING & COOLING CAPACITIES

## 13 SEER — High Efficiency — Single Phase

M1, M7, E3						
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
DS4QD-024KC	C8QAM024U-B	20"	23,400	13.0	11.0	705
DS4QD-030KC	C8QAM030U-B	20"	28,800	13.0	11.0	960
DS4QD-036KC	C8QAM036U-B	20"	35,600	13.0	11.0	1190
DS4QD-042KC	C8QAM042U-B	26"	40,000	13.0	11.0	1290
DS4QD-042KC	CM4Q-53U	18.5"	39,500	13.0	11.0	1260
DS4QD-048KB	CM4Q-53U	18.5"	45,000	13.0	10.9	1400
DS4QD-060KB*	CM4Q-54U**	18.5"	50,000	13.0	10.5	1600

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

\*\* Requires 5 ton blower on Med/High

M1, M7, E3						
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
DS4BD-018KB	C8(B,D)AM01830U-B	20"	18,000	13.0	11.0	535
DS4BD-024KB	C8(B,D)AM01830U-B	20"	23,400	13.0	11.0	705
DS4BD-030KB	C8(B,D)AM01830U-B	20"	28,800	13.0	11.0	960
DS4BD-036KB	C8(B,D)AM036U-B	20"	35,600	13.0	11.0	1190
DS4BD-042KB	C8(B,D)AM042U-B	26"	40,000	13.0	11.0	1290
DS4BD-048KB	CM4B-53U	18.5"	45,000	13.0	10.9	1400
DS4BD-048KB	CM4B-56U**	24.5"	48,000	13.0	11.2	1600
DS4BD-060KB*	CM4B-54U**	18.5"	51,500	13.0	10.7	1460
DS4BD-060KB*	CM4B-56U***	24.5"	55,000	13.0	11.1	1600

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

\*\* Requires 5 ton blower on Med/High

\*\*\* Requires 5 ton blower set on high speed

See current AHRI Directory for certified combinations and ratings.  
[www.ahridirectory.org](http://www.ahridirectory.org)



### 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 year 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.

**NORDYNE**  
 COMPLETE COMFORT. GENUINE VALUE.

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