

## TECHNICAL SPECIFICATIONS

### NS6(B,Q)D-KA Series

#### High Efficiency Air Conditioner 13+ SEER System

#### 2.0 - 5 Ton Capacity

The NS6(B,Q)D-KA 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.
- **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.
- **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, which provides high corrosion resistance.

## MODEL IDENTIFICATION CODES

EX: NS6(B,Q)D-036K A

**NS**

**6**

**Q**

**D**

**-**

**036**

**K**

**A**

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

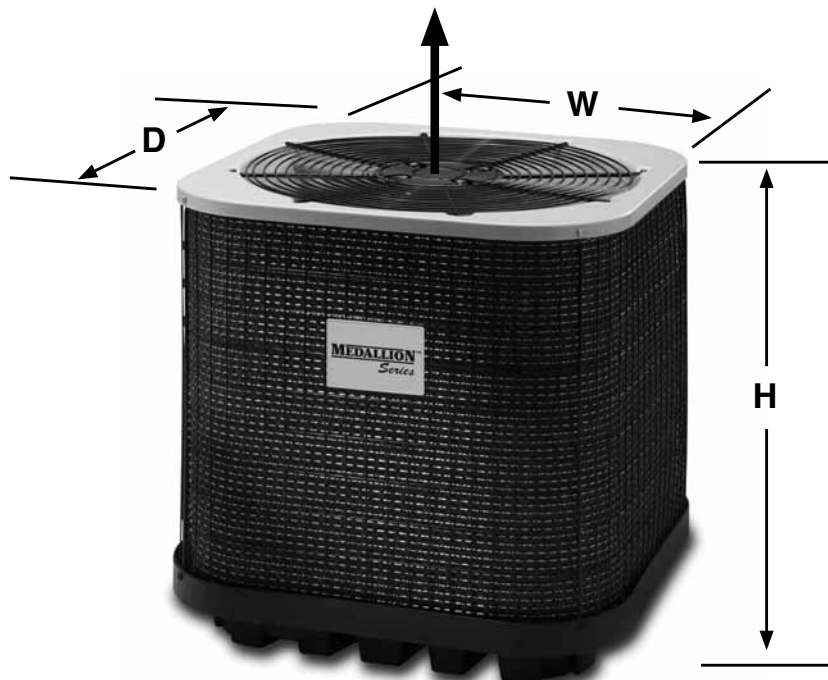
BD = Braze 13 SEER  
QD = Quick Connect 13 SEER

## DIMENSIONS

### AIR CONDITIONER OUTDOOR SECTION

NS6BD	024KA	030KA	036KA	042KA	048KA	060KA
H	27 1/2	27 1/2	35 1/2	27 1/2	27 1/2	31 1/2
W	22 3/4	22 3/4	22 3/4	30 3/4	30 3/4	30 3/4
D	22 3/4	22 3/4	22 3/4	30 3/4	30 3/4	30 3/4

Air Discharge  
Allow Adequate  
Clearance for Airflow



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 13 SEER — High Efficiency — Single Phase

Model Number NS6(B,Q)D-KA			024KA	030KA	036KA	042KA	048KA	060KA
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1					
	Total Amps		10.5	11.7	16.4	19.4	23.2	27.8
	Delay Fuse Max. (2)		20	25	35	40	50	60
	Min. Circuit Ampacity		12.9	14.5	20.1	23.9	28.7	34.4
Component Data	Coil	Area	10.0	10.0	13.3	15.3	15.3	17.9
		Rows-FPI	1-23	1-23	1-23	1-18	1-18	1-18
		Tube Dia	Microchannel					
	Fan Motor	Type	PSC					
		Amps	0.7	0.7	1.4	1.5	1.5	1.5
		HP	0.1	0.1	0.25	0.25	0.25	0.25
	Fan Blade	Dia - # Blades	18" - 3BL	18" - 3BL	18" - 4BL	24" - 2BL	24" - 2BL	24" - 2BL
		SCFM	2800	3000	3000	3500	3500	3800
	Compressor Data	RLA	9.8	11.0	15.0	17.9	21.8	26.4
		LRA	49	59	88	112	117	134
REFRIGERANT SUCTION LINE O.D. NOTE: Liquid line is 3/8" O.D. for entire length.		15-24 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
		25-39 ft.	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (4)
		40-75 ft.	3/4"	3/4"	7/8"	7/8"	7/8"	1-1/8" (4)
Approximate Weight (LBS.)		Net	113	116	135	179	179	188
		Ship	118	121	140	187	187	197
Sound Rating db		71	71	74	79	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)

918476 - 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	Coleman/Vexar/Revolv Gas or Electric					
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
NS6QD-024KA	C8QAM024U-B	20"	24,400	13.0	11.0	805
NS6QD-030KA	C8QAM030U-B	20"	28,600	13.0	11.0	930
NS6QD-036KA	C8QAM036U-B	20"	35,400	13.0	10.7	1245
NS6QD-042KA	CM4Q-53U	18.5"	39,500	13.0	10.8	1250
NS6QD-048KA	CM4Q-54U	18.5"	44,500	13.0	10.8	1450
NS6QD-060KA*	CM4Q-54U**	18.5"	50,000	13.0	10.7	1450
NS6BD-024K	C8(B,D)AM01830U-B	20"	24,400	13.0	11.0	805
NS6BD-030K	C8(B,D)AM01830U-B	20"	28,600	13.0	11.0	930
NS6BD-036K	C8(B,D)AM036U-B	20"	35,400	13.0	10.7	1245
NS6BD-042KA	CM4B-53U	18.5"	39,500	13.0	10.8	1250
NS6BD-048KA	CM4B-54U	18.5"	44,500	13.0	10.8	1450
NS6BD-060KA*	CM4B-54U**	18.5"	50,000	13.0	10.7	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
NS6QD-024KA	C8QAM024U-B	20"	24,400	13.0	11.0	805
NS6QD-030KA	C8QAM030U-B	20"	28,600	13.0	11.0	930
NS6QD-036KA	C8QAM036U-B	20"	35,400	13.0	10.7	1245
NS6QD-042KA	C8QAM042U-B	26"	40,000	13.0	11.0	1290
NS6QD-042KA	CM4Q-53U	18.5"	39,500	13.0	10.8	1250
NS6QD-048KA	CM4Q-54U	18.5"	44,500	13.0	10.8	1450
NS6QD-048KA	CM4Q-56U	24.5"	46,500	13.0	10.8	1600
NS6QD-060KA	CM4Q-56U**	24.5"	53,000	13.0	10.7	1600
NS6BD-024K	C8(B,D)AM01830U-B	20"	24,400	13.0	11.0	805
NS6BD-030K	C8(B,D)AM01830U-B	20"	28,600	13.0	11.0	930
NS6BD-036K	C8(B,D)AM036U-B	20"	35,400	13.0	10.7	1245
NS6BD-042KA	C8(B,D)AM042U-B	26"	40,000	13.0	11.0	1290
NS6BD-048KA	CM4B-54U	18.5"	44,500	13.0	10.8	1450
NS6BD-048KA	CM4B-56U	24.5"	46,500	13.0	10.8	1600
NS6BD-060KA	CM4B-56U**	24.5"	53,000	13.0	10.7	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

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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829D-1012 (Replaces 829D-0912)