

TECHNICAL SPECIFICATIONS

NS6(B,Q)D-K Series

High Efficiency Air Conditioner 13+ SEER System

2.0 - 5 Ton Capacity

The NS6(B,Q)D-K 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

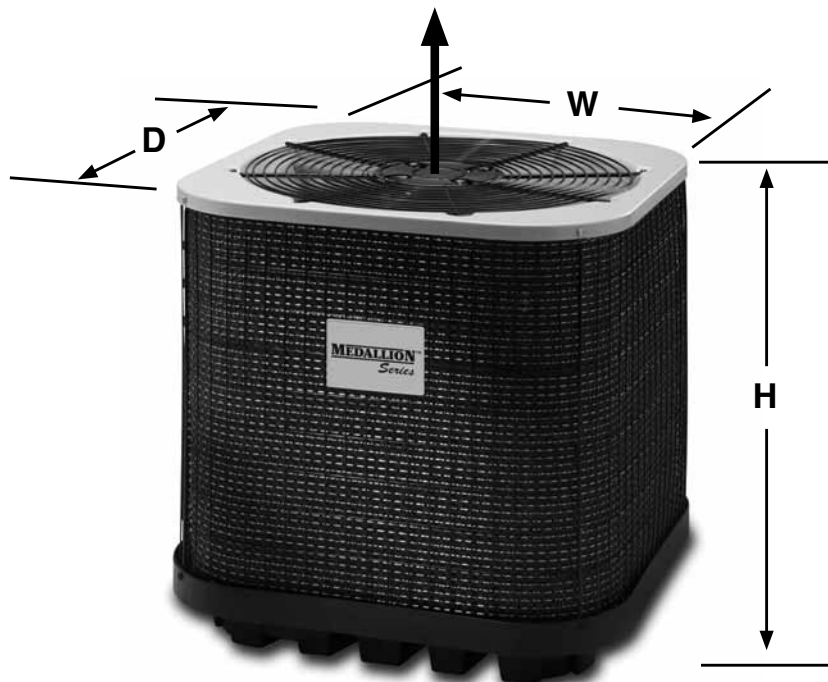
BD = Braze 13 SEER
QD = Quick Connect 13 SEER

DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

NS6BD	024K	030K	036K	042K	048K	060K
H	27	27	35	27	27	31
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 No. NS6BD			024K	030K	036K	042K	048K	060K
Electrical	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
Data	Total Amps		11.6	13	18.1	23.5	24.3	30.7
	Delay Fuse Max. (2)		20	25	25	35	35	40
	Min. Circuit Ampacity		12.9	14.5	20.1	26.2	27.0	34.2
Component Data	Coil	Area	8.3	8.3	13.3	15.3	15.3	17.8
		Rows-FPI	1-22	1-22	1-22	1-16	1-16	1-16
		Tube Dia.	Micro-Channel	Micro-Channel	Micro-Channel	Micro-Channel	Micro-Channel	Micro-Channel
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.7	0.7	1.4	1.4	1.4	1.4
		Watts-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		Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
	Compressor Data*	RLA	10.9	12.3	16.7	22.1	22.9	29.3
LRA		49	59	88	115	115	150	
Refrigerant Suction Line- Length/O.D. (Liq. Line All Lengths - 3/8"O.D.)		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)
Refrigerant Charge (Outdoor unit, Indoor R-410a Ounces Unit, 15' Line Set)			78	80	89	88	110	115
Weight Approximate (lbs.)	Net	113	116	135	157	163	188	
	Ship	118	121	140	163	169	194	

(1) Operating Voltage Range: 198v min. - 253v max.

(2) HACR type circuit breakers may be used.

(3) Requires 7/8" to 3/4" reducer from line to unit.

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

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.

SYSTEM HEATING & COOLING CAPACITIES

13 SEER — High Efficiency — Single Phase

M1 & M3 (+ Coleman/Vexar Gas or Electric)						
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
NS6(B,Q)D-024K	C5(B,D,Q)A-X25U-B	19"	24000	13.0	11.0	800
NS6(B,Q)D-030K	C5(B,D,Q)A-X30U-B	19"	29400	13.0	11.0	1030
NS6(B,Q)D-036K	C5(B,D,Q)A-X36U-B	19"	35000	13.0	11.0	1150
NS6(B,Q)D-042K	C5(B,D,Q)A-X42U-B	19"	41000	13.0	11.0	1300
NS6(B,Q)D-048K	CM4*-54U	18 1/2"	44000	13.0	10.7	1300
NS6(B,Q)D-060K	CM4*-54U	18 1/2"	50000	13.0	10.5	1600

E3						
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
NS6(B,Q)D-024K	C5(B,D,Q)A-X25U-B	19"	24000	13.0	11.0	800
NS6(B,Q)D-030K	C5(B,D,Q)A-X30U-B	19"	29400	13.0	11.0	1030
NS6(B,Q)D-036K	C5(B,D,Q)A-X36U-B	19"	35000	13.0	11.0	1150
NS6(B,Q)D-036K	C5(B,D,Q)A-X37U-B	25"	36000	13.0	11.0	1150
NS6(B,Q)D-042K	C5(B,D,Q)A-X42U-B	19"	41000	13.0	11.0	1300
NS6(B,Q)D-048K	CM4*-56U	24 1/2"	46000	13.0	10.8	1300
NS6(B,Q)D-060K	CM4*-56U	24 1/2"	53000	13.0	10.6	1600

See current AHRI Directory for certified combinations and ratings.
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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