

TECHNICAL SPECIFICATIONS

MS4(B,Q)D-K(A,B) Series

High Efficiency Air Conditioner 13+ SEER Residential System

1.5 - 5 Ton Capacity

The MS4(B,Q)D-KA/B 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.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service calls.
- **Liquid Line Filter Drier:** Included with outdoor unit.

MODEL IDENTIFICATION CODES

EX: MS4(B,Q)D-036K A

MS

4

Q

D

-

036

K

A

S - Air Conditioner
T - Heat Pump

Generation 1, 2, 3, etc.

Product
Identifier

Nominal
Capacity
(000) BTU

Revision

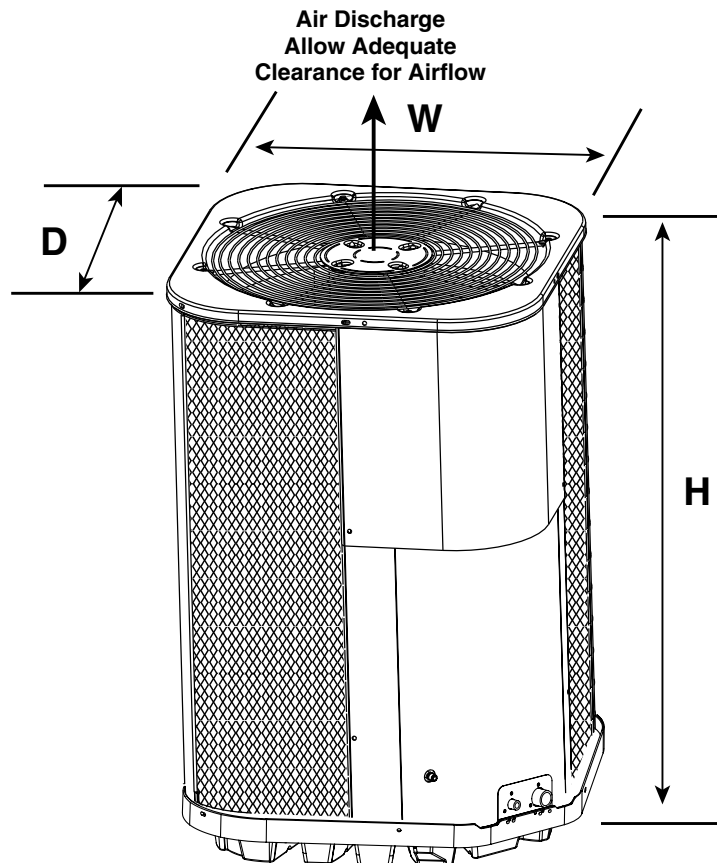
Electrical Code
K = 208/230-60-1

BD = Braze 13 SEER
QD = Quick Connect 13 SEER

DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

MS4(B,Q)D	018KA	024KB	030KB	036KB	042KA	048KA	060KA
H	23	23	27	27	31	31	43
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 MS4(B,Q)D			018KA	024KB	030KB	036KB	042KA	048KA	060KA
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		9.4	13.5	14.8	17.8	19.31	23.2	27.6
	Delay Fuse Max. (2)		20	25	30	35	40	45	50
	Min. Circuit Ampacity		11.5	16.7	18.3	22	23	28.6	34.2
Condenser Data	Coil	Area	8.2	11.5	13.2	13.2	17.7	17.7	25.4
		Rows-FPI	1-22	1-16	1-16	1-16	1-22	1-22	2-16
		Tube Dia	3/8" O.D.	MC	MC	MC	3/8" O.D.	3/8" O.D.	3/8" O.D.
	Fan Motor	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC
		Amps	0.4	0.67	0.67	1.20	1.40	1.40	1.40
		HP	0.13	0.13	0.13	0.25	0.25	0.25	0.25
	Fan Blade	Dia-# Blades	18"-3	18"-3	18"-3	18"-3	24"-2	24"-2	24"-2
		SCFM	2600	2800	3000	3000	3500	3500	3800
	Compressor Data	RLA	9	12.8	14.1	16.6	17.9	21.8	26.2
		LRA	48	58.3	73	79	112	117	134
Refrigerant suction line- Length/O.D. (Liq. Line All Lengths - 3/8" O.D.)		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"	7/8"
		40-75 ft.	3/4"	3/4"	3/4"	7/8" (3)	7/8"	7/8"	7/8"
Refrigerant charge in ounces (Outdoor unit, Indoor Unit 15' Line Set)			75	70	76	72	124	127	160
Weight Approximate (lbs.)		Net	109	125	138	140	184	184	219
		Ship	114	130	144	146	196	196	228

(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)

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.

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 + TDR	Coil Height	Cooling Capacity	SEER	EER	SCFM
MS4QD-018KA	C5(B,D,Q)A-X25U-B	19"	18,000	13.0	11.5	525
MS4(B,Q)D-024KB	C5(B,D,Q)A-X25U-B	19"	24,000	13.0	11.5	700
MS4(B,Q)D-030KB	C5(B,D,Q)A-X30U-B	19"	29,400	13.0	11.5	950
MS4(B,Q)D-036KB	CM4(B,Q)-53U	18 1/2"	35,400	13.0	11.0	1150
MS4(B,Q)D-042KA	CM4(B,Q)-53U	18 1/2"	39,500	13.0	11.0	1260
MS4(B,Q)D-048KA	CM4(B,Q)-53U	18 1/2"	45,000	13.0	10.9	1400
MS4(B,Q)D-060KA*	CM4(B,Q)-54U**	18/1/2"	51,500	13.0	10.7	1460

* 5 ton condenser is not a valid Match with the M3

** Requires 5 Ton Blower on Med/High

E3

Outdoor Unit	Indoor Coil + TDR	Coil Height	Cooling Capacity	SEER	EER	SCFM
MS4QD-018KA	C5(B,D,Q)A-X25U-B	19"	18,000	13.0	11.5	525
MS4(B,Q)D-024KB	C5(B,D,Q)A-X25U-B	19"	24,000	13.0	11.5	700
MS4(B,Q)D-030KB	C5(B,D,Q)A-X30U-B	19"	29,400	13.0	11.5	950
MS4(B,Q)D-036KB	C5(B,D,Q)A-X36U-B	19"	34,600	13.0	11.5	950
MS4(B,Q)D-036KB	C5(B,D,Q)A-X37U-B	25"	36,000	13.0	11.5	1100
MS4(B,Q)D-042KA	C5(B,D,Q)A-X42U-B	25"	40,500	13.0	11.7	1250
MS4(B,Q)D-048KA	CM4(B,Q)-53U	18 1/2"	45,000	13.0	10.9	1400
MS4(B,Q)D-048KA	CM4(B,Q)-56U***	24 1/2"	48,000	13.0	11.2	1600
MS4(B,Q)D-060KA	CM4(B,Q)-56U***	24 1/2"	55,000	13.0	11.1	1600

*** Requires 5 Ton Blower set at High Speed

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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