

## Single Stage Furnace Multiposition

### FLEXIBILITY

- Dual certified venting (1 or 2 pipes) Direct Vent furnace
- 40" high with wider cabinets, for ease of installation
- Factory shipped as natural gas, with Propane Gas conversion kits available
- Four position – upflow/downflow/horizontal installation
- Vent pipe can be run horizontally or vertically
- Internal condensate drain system

### SERVICE

- Self diagnostics
- Entire blower assembly mounted on rails

### COMFORT

- Adjustable timed blower Off delay
- 24 and 115 VAC humidifier terminal
- Electronic air cleaner terminal

### EFFICIENCY

- 92.1% AFUE efficiency range
- Single stage gas valve operation
- Single stage integrated control
- Multispeed, prelubricated PSC blower motors
- Induced draft blower
- In-shot burners
- California NOx approved

### QUALITY

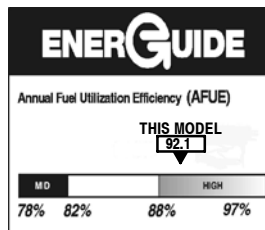
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- Flame roll-out sensors standard
- Solid doors
- 5 year parts limited warranty



Illustrations and photographs are only representative.  
Some product models may vary.

### ⚠ WARNING

This furnace is not designed for use in mobile homes, trailers, or recreational vehicles. Such use could result in property damage and/or death.



UPFLOW/DOWNFLOW/HORIZONTAL (NATURAL GAS)					
Model Number	Heat Exchangers *	Dimensions H x W x D (In.)	Input (MBTUH)	Efficiency AFUE	Cooling Capacity @ .5 in wc
N9MPD040F08A	20 Years	40 x 19 <sup>1</sup> / <sub>8</sub> x 29	40	92.1	1.5 - 2.0 TON
N9MPD050F12A	20 Years	40 x 19 <sup>1</sup> / <sub>8</sub> x 29	50	92.1	1.5 - 3.0 TON
N9MPD060F12A	20 Years	40 x 19 <sup>1</sup> / <sub>8</sub> x 29	60	92.1	1.5 - 3.0 TON
N9MPD075F12A	20 Years	40 x 19 <sup>1</sup> / <sub>8</sub> x 29	75	92.1	1.5 - 3.0 TON
N9MPD080J16A	20 Years	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	80	92.1	2.5 - 4.0 TON
N9MPD100J14A	20 Years	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	100	92.1	2.0 - 3.5 TON
N9MPD100J20A	20 Years	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	100	92.1	3.5 - 5.0 TON
N9MPD125L20A	20 Years	40 x 24 <sup>1</sup> / <sub>2</sub> x 29	125	92.1	3.5 - 5.0 TON

\* 20 YEAR LIMITED WARRANTY

# FURNACE SPECIFICATIONS

Model Number (NAT. GAS)	N9MPD040F08	N9MPD050F12	N9MPD060F12	N9MPD075F12	N9MPD080J16	N9MPD100J14	N9MPD100J20	N9MPD125L20
INPUT (btuh)	40,000	50,000	60,000	75,000	80,000	100,000	100,000	125,000
HTG. CAP. (btuh)	37,000	46,000	55,000	70,000	75,000	93,000	93,000	117,000
AFUE % (ICS)	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
ALTERNATE INPUT BTUH	NA	40,000	NA	60,000	NA	80,000	80,000	100,00
ALTERNATE OUTPUT BTUH	NA	36,400	NA	54,000	NA	72,000	72,000	90,500
NOx (Ng/L)	<40	<40	<40	<40	<40	<40	<40	<40
TEMP. RISE DEGREES (°F/°C)	35-65/19-36	35-65/19-36	40-70/22-38	40-70/22-38	35-65/19-36	40-70/22-38	40-70/22-38	40-70/22-38
VOLTS/HZ/PH	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60
MIN./MAX. VOLTAGE	104/127	104/127	104/127	104/127	104/127	104/127	104/127	104/127
RATING PLATE AMPS.	8.6	12.9	10.6	10.1	12.9	10.1	14.4	15.0
TRANSFORMER (V.A.)	40	40	40	40	40	40	40	40
GAS PIPE SIZE (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
VENT SIZE <sup>^</sup>	2" or 3" OD	2" or 3" OD	2" or 3" OD	2" or 3" OD	2" or 3" OD	3" OD	3" OD	3" OD
VENT CONNECTION SIZE	2" OD	2" OD	2" OD	2" OD	2" OD	2" OD	2" OD	2" OD
COOLING CAP.	2.0	3.0	3.0	3.0	4.0	3.5	5.0	5.0
HIGH ALT. PRESSURE SWITCH	1175819	1013803	1175819	1013803	1013813	1013803	1013803	1013157
FILTER SIZE (in.) REQUIRED	16X25X1 (1)	16X25X1 (1)	16X25X1 (1)	16X25X1 (1)	16X25X1 (1)	16X25X1 (1)	16X25X1 (2)	16X25X1 (2)
DIMENSIONS (in.) HEIGHT	40	40	40	40	40	40	40	40
WIDTH X DEPTH	19 <sup>1</sup> / <sub>8</sub> x 29	19 <sup>1</sup> / <sub>8</sub> x 29	19 <sup>1</sup> / <sub>8</sub> x 29	19 <sup>1</sup> / <sub>8</sub> x 29	22 <sup>3</sup> / <sub>4</sub> x 29	22 <sup>3</sup> / <sub>4</sub> x 29	22 <sup>3</sup> / <sub>4</sub> x 29	24 <sup>1</sup> / <sub>2</sub> x 29
WEIGHT (Lbs.)	150	150	153	153	172	172	180	193

<sup>^</sup> Vent size may vary depending on length, number of elbows, standard vent or direct vent. See Installation Instructions

## DIMENSIONS

**TOP**

**FRONT**

**LEFT SIDE**

**RIGHT SIDE**

**BOTTOM**

TOP	BOT.	RH	LH	BACK	FRNT	FLUE
1"	0"	0"	0"	0"	3"	0"

**ALL DIMENSIONS IN INCHES**  
1 in = 25.4 mm

Unit Capacity	Cabinet		Bottom	Top	
	A	B	C	D	E
N9MPD040F08	19 <sup>1</sup> / <sub>8</sub>	17 <sup>5</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>
N9MPD050F12	19 <sup>1</sup> / <sub>8</sub>	17 <sup>5</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>
N9MPD060F12	19 <sup>1</sup> / <sub>8</sub>	17 <sup>5</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>
N9MPD075F12	19 <sup>1</sup> / <sub>8</sub>	17 <sup>5</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>2</sub>
N9MPD080J16	22 <sup>3</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>4</sub>	18 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>
N9MPD100J14	22 <sup>3</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>4</sub>	18 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>
N9MPD100J20	22 <sup>3</sup> / <sub>4</sub>	21 <sup>1</sup> / <sub>4</sub>	18 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	11 <sup>3</sup> / <sub>8</sub>
N9MPD125L20	24 <sup>1</sup> / <sub>2</sub>	23	23	2 <sup>1</sup> / <sub>4</sub>	12 <sup>1</sup> / <sub>4</sub>

Specifications subject to change without notice.

## BLOWER PERFORMANCE

Model NO. NATURAL GAS (NOTE)	N9MPD040F08 (1)(5)	N9MPD050F12 (1)(5)	N9MPD060F12 (1)(5)	N9MPD075F12 (1)(5)	N9MPD080J16 (1)(5)	N9MPD100J14 (1)(5)	N9MPD100J20 (2)(3)(5)	N9MPD125L20 (2)(5)
BLOWER SIZE INCHES (DIA. x WIDTH)	11-8	11-8	11-10	11-10	11-10	11-10	11-10	11-10
MOTOR H.P. (TYPE)	1/4 PSC	1/2 PSC	1/2 PSC	1/2 PSC	1/2 PSC	1/2 PSC	3/4 PSC	3/4 PSC
MOTOR SPEEDS	3	4	4	4	4	4	4	4

## AIRFLOW DATA

.10 ESP in wc	LOW	728	826	765	706	823	700	1682	1720
	MEDIUM LOW	---	1083	966	917	1109	912	1870	1910
	MEDIUM HIGH	876	1301	1247	1163	1527	1209	2081	2127
	HIGH	1079	1408	1509	1368	1850	1550	2263	2315
.20 ESP in wc	LOW	667	804	708	677	795	660	1654	1686
	MEDIUM LOW	---	1050	919	875	1087	884	1826	1881
	MEDIUM HIGH	832	1242	1205	1120	1482	1171	2031	2087
	HIGH	1032	1347	1453	1319	1791	1492	2193	2268
.30 ESP in wc	LOW	605	770	659	636	747	616	1597	1644
	MEDIUM LOW	---	1028	877	840	1056	843	1775	1833
	MEDIUM HIGH	781	1195	1155	1076	1426	1139	1963	2024
	HIGH	985	1295	1386	1263	1720	1434	2165	2201
.40 ESP in wc	LOW	541	735	612	595	677	575	1547	1600
	MEDIUM LOW	---	985	828	812	1016	790	1719	1777
	MEDIUM HIGH	725	1153	1102	1031	1382	1088	1899	1961
	HIGH	933	1237	1313	1202	1648	1378	2056	2131
.50 ESP in wc	LOW	480	698	565	546	617	528	1498	1533
	MEDIUM LOW	---	952	780	766	970	735	1653	1720
	MEDIUM HIGH	658	1093	1037	987	1317	1040	1825	1891
	HIGH	878	1183	1230	1148	1575	1317	1978	2029
.60 ESP in wc	LOW	421	657	522	490	544	472	1428	1494
	MEDIUM LOW	---	909	728	702	854	677	1583	1647
	MEDIUM HIGH	593	1040	986	889	1245	979	1737	1804
	HIGH	802	1118	1148	1077	1485	1247	1854	1948
.70 ESP in wc	LOW	361	---	452	---	---	---	1355	1413
	MEDIUM LOW	---	863	674	630	763	608	1503	1571
	MEDIUM HIGH	527	935	909	821	1154	909	1650	1708
	HIGH	719	1053	1050	989	1401	1161	1757	1820
.80 ESP in wc	LOW	294	---	403	---	---	---	1267	1306
	MEDIUM LOW	---	812	609	550	652	528	1392	1470
	MEDIUM HIGH	461	865	835	750	1043	827	1548	1604
	HIGH	634	976	953	914	1284	1058	1644	1730
.90 ESP in wc	LOW	218	---	338	---	---	---	---	---
	MEDIUM LOW	---	---	535	462	---	---	1266	1349
	MEDIUM HIGH	394	802	749	676	905	733	1428	1484
	HIGH	545	887	860	833	1161	932	1515	1614
1.0 ESP in wc	LOW	---	---	255	---	---	---	---	---
	MEDIUM LOW	---	---	455	---	---	---	---	---
	MEDIUM HIGH	317	720	653	601	737	624	---	1328
	HIGH	462	787	748	747	1028	778	1351	1430

- NOTE: (1) Data based on Bottom Only or One Side return  
 (2) Data based on Both Sides or Bottom plus One Side  
 (3) 100J20 Reduce airflow by 5% if Bottom Only return  
 (4) 125J20 Reduce airflow by 5% if Bottom Only return  
 (5) Gray area is above maximum temperature rise range

MAX CFM's for Factory Washable Filters	
Filter Size	CFM
14" X 25"	1400
16" X 25"	1600
20" X 25"	2000
24" X 25"	2500
Max CFM based on 600 FPM	

# CFM - Cubic Feet per Minute airflow. Filter required for each return-air inlet.  
 Airflow performance includes 1" washable (600 FPM max) filter media.  
 Disposable filters are typically rated at 300 FPM and only allow half of the airflow when compared to 600 FPM filters.  
 Example 20 x 25 @ 600 FPM = 2000 CFM, @ 300 FPM = 1000 CFM

## ACCESSORIES

Model Number	Description	Used With Models
NAHA004WK	Twinning Kit - Allows operation of two identical-size model furnaces.	All N9MPD Furnaces
NAHA001LP (1172958**)	Gas Conversion Kits - Natural gas to Propane conversion Kit. Allows field conversion to Propane gas.	N9MPD050/075/100/125
NAHA001NG (1172960**)	Gas Conversion Kits - Propane to natural gas conversion kit. Allows field conversion to natural gas.	N9MPD050/075/100/125
NAHA003LP (1174906**)	Gas Conversion Kits - Natural gas to Propane conversion Kit. Allows field conversion to Propane gas.	N9MPD040/060/080 and Alternate Input Models
NAHA004NG (1174907**)	Gas Conversion Kits - Propane to natural gas conversion kit. Allows field conversion to natural gas.	N9MPD040/060/080 and Alternate Input Models
NAHA001AL	Alternate Input Kit (Nat Gas). Derates input by 20%	N9MPD050/075/100/125
NAHA002AL	Alternate Input Kit (Propane Gas). Derates input by 20%	N9MPD050/075/100/125
NAHA001FF	Filter Kits - External filter frame. 16" x 25"	Side Return (All Furnaces) Bottom Return (All "F" 19 <sup>1</sup> / <sub>8</sub> " Furnaces under 1600 CFM)
NAHA001FP	External filter frame. 16" x 25" (Bulk Pack Kit - Qty 10)	
NAHA002FF	Filter Kits - Bottom return filter frame kit 20" x 25"	(All "J" 22 <sup>3</sup> / <sub>4</sub> " Furnaces)
NAHA002FP	Bottom return filter frame kit 20" x 25" (Bulk Pack Kit - Qty 10)	
NAHA001TK	Duct Standoff Filter Kit. To adapt 20" x 25" filter for single side return.	Side Return (All single return applications with 1600 CFM or greater) Bottom Return (All "F" 19 <sup>1</sup> / <sub>8</sub> " Furnaces under 1600 CFM)
NAHA001NK (612833**)	Condensate neutralizer kit - for condensing gas furnaces	All N9MPD Furnaces If Required
NAHH002SB	Combustible Floor Subbase - Furnace ONLY: All 19 <sup>1</sup> / <sub>4</sub> " wide furnace	N9MPD040/050/060/075
NAHH003SB	Combustible Floor Subbase - Furnace ONLY: All 22 <sup>3</sup> / <sub>4</sub> " wide furnace	N9MPD080/100
NAHH010SB	Combustible Floor Subbase - Furnace ONLY: All 24 <sup>1</sup> / <sub>2</sub> " wide furnace	N9MPD125
NAHH005SB	Subbase - Furnace w/19 <sup>1</sup> / <sub>4</sub> " cased coil	N9MPD040/050/060/075 Counterflow furnace w/19 <sup>1</sup> / <sub>4</sub> " cased coil
NAHH006SB	Subbase - Furnace w/22 <sup>3</sup> / <sub>4</sub> " cased coil	N9MPD080/100 Counterflow furnace w/22 <sup>3</sup> / <sub>4</sub> " cased coil
NAHH009SB	Subbase - Furnace w/24 <sup>1</sup> / <sub>2</sub> " cased coil	N9MPD125
NAHA001CV (1011129**)	3" Concentric vent kit - allows single wall penetration for 2 pipe direct vent applications (90+).	N9MPD040/050/060/075/080 (65' & (4) 90°elbows) N9MPD100 (35' or 65' & (4) 90°elbows) N9MPD125 (35' & (4) 90°elbows)
NAHA002CV	2" Concentric vent kit allows - single wall penetration for 2 pipe direct vent applications (90+).	N9MPD040/050/060/075/080 (35' & (4) 90°elbows)
NAHA001CA	Coil Adapter for Downflow Furnaces	All Downflow Models
1175819**	High Altitude Pressure Switch Kit (2 Pressure Switches)	N9MPD040F08 & 060F12
1013803**	High Altitude Pressure Switch Kit (1 Pressure Switch)	N9MPD050F12, 075F12 & 100J14/J20
1013813**	High Altitude Pressure Switch Kit (1 Pressure Switch)	N9MPD080
1013157**	High Altitude Pressure Switch Kit (2 Pressure Switches)	N9MPD125
NAHA002LV	Long Vent Kit	N9MPD100J14/100J20
NAHA003LV	High Altitude Long Vent Kit	N9MPD100J14/100J20
NAHA002WL	To replace Warning Labels, Operating Instructions & Wiring Labels on Blower Door when needed	N9MPD

\*\* Must be ordered from Service Parts

## MODEL NUMBER IDENTIFICATION GUIDE

Brand Identifier	N	9	MP	D	075	F	12	A	#	Engineering Rev.
N = Non-Brand Specific (Generic)										Denotes minor change
<b>Model Efficiency</b>										<b>Marketing Digit</b>
8 = Non-Condensing, 80+% Gas Furnace										Denotes major change
9 = Condensing, 90+% Gas Furnace										<b>Cooling Airflow</b>
<b>Installation Configuration</b>										08 = 800 CFM
UP = Upflow    DN = Downflow    UH = Upflow/Horizontal										12 = 1200 CFM
HZ = Horizontal    DH = Downflow/Horizontal										14 = 1400 CFM
MP = Multiposition, Up/Down/Horizontal										16 = 1600 CFM
<b>Major Design Feature</b>										20 = 2000 CFM
1 = One (Single) Pipe    N = Single Stage										<b>Cabinet Width</b>
2 = Two Pipe    P = PVC Vent										B = 15.5" Wide    J = 22.8" Wide
D = 1 or 2 Pipe    T = Two Stage										F = 19.1" Wide    L = 24.5" Wide
L = Low NOx    V = Variable Speed										<b>Input</b>
X = Extra Efficiency										(Nominal MBTUH)

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