

## 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 for 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
- Thermal lined, one piece steel cabinet for noise reduction
- 24 and 115 VAC humidifier terminal
- Electronic air cleaner terminal
- Insulated blower compartment

### 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

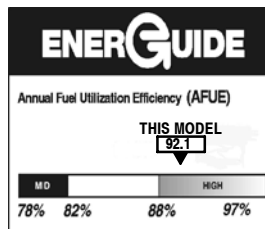
- RPJ III Stainless steel heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- Flame roll-out sensors standard
- Solid doors
- 5 year limited parts warranty
- 5 year No Hassle Replacement limited 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
C9MPD050F12C	Lifetime	40 x 19 <sup>1</sup> / <sub>8</sub> x 29	50	92.1	1.5 - 3.0 TON
C9MPD075F12C	Lifetime	40 x 19 <sup>1</sup> / <sub>8</sub> x 29	75	92.1	1.5 - 3.0 TON
C9MPD080J16C	Lifetime	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	80	92.1	2.5 - 4.0 TON
C9MPD100J14C	Lifetime	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	100	92.1	2.0 - 3.5 TON
C9MPD100J20C	Lifetime	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	100	92.1	3.5 - 5.0 TON
C9MPD125L20C	Lifetime	40 x 24 <sup>1</sup> / <sub>2</sub> x 29	125	92.1	3.5 - 5.0 TON

\* LIMITED LIFETIME WARRANTY

# FURNACE SPECIFICATIONS

Model Number	NATURAL GAS	*9MPD050F12	*9MPD075F12	*9MPD080J16	*9MPD100J14	*9MPD100J20	*9MPD125L20
INPUT (btuh)		50,000	75,000	80,000	100,000	100,000	125,000
HTG. CAP. (btuh)		45,500	67,500	72,000	90,000	90,000	113,125
AFUE % (ICS)		92.1	92.1	92.1	92.1	92.1	92.1
ALTERNATE INPUT BTUH		40,000	60,000	NA	80,000	80,000	100,000
ALTERNATE OUTPUT BTUH		36,400	54,000	NA	72,000	72,000	90,500
NOx (Ng/J)		<40	<40	<40	<40	<40	<40
TEMP. RISE DEGREES (°F/°C)		35-65/19-46	40-70/22-39	35-65/19-46	40-70/22-39	40-70/22-39	40-70/22-39
VOLTS/HZ/PH		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
RATING PLATE AMPS.		12.9	10.1	12.9	10.1	14.4	15.0
TRANSFORMER (V.A.)		40	40	40	40	40	40
GAS PIPE SIZE (IN.)		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	3" OD	3" OD	3" OD
COOLING CAP.		3.0	3.0	4.0	3.5	5.0	5.0
HIGH ALTITUDE PRESSURE SWITCH		1013803	1013803	1013813	1013803	1013803	1013157
FILTER SIZE (IN.) (1 required)		16X25X1	16X25X1	16X25X1	16X25X1	16X25X1(2)	16X25X1(2)
DIMENSIONS (in.) HEIGHT		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	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	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.

\* Denotes Brand (C, H, T)

# DIMENSIONS

**TOP**

Dimensions: 4<sup>1</sup>/<sub>2</sub>, 4<sup>3</sup>/<sub>8</sub>, E, D

**FRONT**

Dimensions: A, B

**LEFT SIDE**

Labels: TRAP (KO)(DOWNFLOW), GAS, VENT, AIR INTAKE (KO) (ALTERNATE), TRAP (KO) UPFLOW/HORIZONTAL, THERMOSTAT

Dimensions: 6<sup>11</sup>/<sub>16</sub>, 1<sup>1</sup>/<sub>4</sub>, 1<sup>1</sup>/<sub>16</sub>, 13<sup>11</sup>/<sub>16</sub>, 4<sup>13</sup>/<sub>16</sub>, 1<sup>3</sup>/<sub>8</sub>, 7, 28<sup>3</sup>/<sub>4</sub>, 17<sup>5</sup>/<sub>16</sub>, 29<sup>7</sup>/<sub>8</sub>, 19<sup>13</sup>/<sub>16</sub>, 11<sup>1</sup>/<sub>16</sub>, 24<sup>1</sup>/<sub>16</sub>, 31<sup>11</sup>/<sub>16</sub>, 21<sup>5</sup>/<sub>8</sub>, 4<sup>7</sup>/<sub>8</sub>, 24

**RIGHT SIDE**

Labels: GAS, TRAP (KO)(DOWNFLOW), ELECTRICAL (KO), AIR INTAKE (KO) (ALTERNATE), VENT (KO), TRAP (KO) (UPFLOW/HORIZONTAL), THERMOSTAT

Dimensions: 28<sup>1</sup>/<sub>2</sub>, 18<sup>1</sup>/<sub>2</sub>, 3<sup>3</sup>/<sub>4</sub> TYP., 4<sup>5</sup>/<sub>16</sub>, 2<sup>3</sup>/<sub>8</sub>, 1<sup>1</sup>/<sub>16</sub>, 11<sup>3</sup>/<sub>16</sub>, 4<sup>13</sup>/<sub>16</sub>, 33<sup>11</sup>/<sub>16</sub>, 29<sup>7</sup>/<sub>8</sub>, 27<sup>3</sup>/<sub>16</sub>, 17<sup>5</sup>/<sub>16</sub>, 21<sup>5</sup>/<sub>8</sub>, 1<sup>1</sup>/<sub>16</sub>, 7, 2<sup>1</sup>/<sub>4</sub>, 13<sup>1</sup>/<sub>4</sub> (KO), 47<sup>7</sup>/<sub>8</sub>, 21<sup>5</sup>/<sub>8</sub>, 17<sup>7</sup>/<sub>8</sub>, 24

**Cabinet to Combustible Clearances**

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

**BOTTOM**

Dimensions: 23<sup>1</sup>/<sub>8</sub>, 3<sup>7</sup>/<sub>8</sub>

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

Unit Capacity	Cabinet		Bottom	Top	
	A	B	C	D	E
*9MPD050F12	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>
*9MPD075F12	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>
*9MPD080J16	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>
*9MPD100J14	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>
*9MPD100J20	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>
*9MPD125L20	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 Number	NATURAL GAS	*9MPD050F12 (1)(5)	*9MPD075F12 (1)(5)	*9MPD080J16 (1)(5)	*9MPD100J14 (1)(5)	*9MPD100J20 (2)(3)(5)	*9MPD125L20 (2)(5)
BLOWER SIZE INCHES (DIA. x WIDTH)		11-8	11-10	11-10	11-10	11-10	11-10
MOTOR H.P. (TYPE)		1/2 PSC	1/2 PSC	1/2 PSC	1/2 PSC	3/4 PSC	3/4 PSC
MOTOR SPEEDS		4	4	4	4	4	4

## AIRFLOW DATA

.10 ESP in wc	LOW	826	706	823	700	1682	1720
	MEDIUM LOW	1083	917	1109	912	1870	1910
	MEDIUM HIGH	1301	1163	1527	1209	2081	2127
	HIGH	1408	1368	1850	1550	2263	2315
.20 ESP in wc	LOW	804	677	795	660	1654	1686
	MEDIUM LOW	1050	875	1087	884	1826	1881
	MEDIUM HIGH	1242	1120	1482	1171	2031	2087
	HIGH	1347	1319	1791	1492	2193	2268
.30 ESP in wc	LOW	770	636	747	616	1597	1644
	MEDIUM LOW	1028	840	1056	843	1775	1833
	MEDIUM HIGH	1195	1076	1426	1139	1963	2024
	HIGH	1295	1263	1720	1434	2165	2201
.40 ESP in wc	LOW	735	595	677	575	1547	1600
	MEDIUM LOW	985	812	1016	790	1719	1777
	MEDIUM HIGH	1153	1031	1382	1088	1899	1961
	HIGH	1237	1202	1648	1378	2056	2131
.50 ESP in wc	LOW	698	546	617	528	1498	1533
	MEDIUM LOW	952	766	970	735	1653	1720
	MEDIUM HIGH	1093	987	1317	1040	1825	1891
	HIGH	1183	1148	1575	1317	1978	2029
.60 ESP in wc	LOW	657	490	544	472	1428	1494
	MEDIUM LOW	909	702	854	677	1583	1647
	MEDIUM HIGH	1040	889	1245	979	1737	1804
	HIGH	1118	1077	1485	1247	1854	1948
.70 ESP in wc	LOW	---	---	---	---	1355	1413
	MEDIUM LOW	863	630	763	608	1503	1571
	MEDIUM HIGH	935	821	1154	909	1650	1708
	HIGH	1053	989	1401	1161	1757	1820
.80 ESP in wc	LOW	---	---	---	---	1267	1306
	MEDIUM LOW	812	550	652	528	1392	1470
	MEDIUM HIGH	865	750	1043	827	1548	1604
	HIGH	976	914	1284	1058	1644	1730
.90 ESP in wc	LOW	---	---	---	---	---	---
	MEDIUM LOW	---	462	---	---	1266	1349
	MEDIUM HIGH	802	676	905	733	1428	1484
	HIGH	887	833	1161	932	1515	1614
1.00 ESP in wc	LOW	---	---	---	---	---	---
	MEDIUM LOW	---	---	---	---	---	---
	MEDIUM HIGH	720	601	737	624	---	1328
	HIGH	787	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.

## ACCESSORIES

Model Number	Description	Used With Models
NAHA004WK	Twining Kit - Allows operation of two identical-size model furnaces.	All *9MPD Furnaces
NAHA001LP (1172958**)	Gas Conversion Kits - Natural gas to Propane conversion Kit. Allows field conversion to Propane gas.	*9MPD050, 075, 100, 125
NAHA001NG (1172960**)	Gas Conversion Kits - Propane to natural gas conversion kit. Allows field conversion to natural gas.	*9MPD050, 075, 100, 125
NAHA003LP (1174906**)	Gas Conversion Kits - Natural gas to Propane conversion Kit. Allows field conversion to Propane gas for 80k BTUH and Alternate input models	*9MPD080 and Alternate Input Models
NAHA004NG (1174907**)	Gas Conversion Kits - Propane to natural gas conversion kit. Allows field conversion to natural gas for 80k BTUH and Alternate input models	*9MPD080 and Alternate Input Models
NAHA001AL	Alternate Input Kit (Nat Gas). Derates input by 20%	*9MPD050, 075, 100, 125
NAHA002AL	Alternate Input Kit (Propane Gas). Derates input by 20%	*9MPD050, 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 *9MPD Furnaces If Required
NAHH002SB	Combustible Floor Subbase - Furnace ONLY: All 19 <sup>1</sup> / <sub>4</sub> " wide furnace models	*9MPD050/075
NAHH003SB	Combustible Floor Subbase - Furnace ONLY: All 22 <sup>3</sup> / <sub>4</sub> " wide furnace models	*9MPD080/100
NAHH010SB	Combustible Floor Subbase - Furnace ONLY: All 24 <sup>1</sup> / <sub>2</sub> " wide furnace models	*9MPD125
NAHH005SB	Subbase - Furnace w/19 <sup>1</sup> / <sub>4</sub> " cased coil	*9MPD050/075 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	*9MPD080/100 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	*9MPD125
NAHA001CV (1011129**)	3" Concentric vent kit - allows single wall penetration for 2 pipe direct vent applications (90+).	*9MPD050/075/080 (65' & (4) 90°elbows) *9MPD100 (35' or 65' & (4) 90°elbows) *9MPD125 (35' & (4) 90°elbows)
NAHA002CV	2" Concentric vent kit allows - single wall penetration for 2 pipe direct vent applications (90+).	*9MPD050/075/080 (65' & (4) 90°elbows)
NAHA001CA	Coil Adapter for Downflow Furnaces	All Downflow Models
1013803**	High Altitude Pressure Switch Kit (1 Pressure Switch)	*9MPD050F12, 075F12 & 100J14/J20
1013813**	High Altitude Pressure Switch Kit (1 Pressure Switch)	*9MPD080
1013157**	High Altitude Pressure Switch Kit (2 Pressure Switches)	*9MPD125
NAHA002LV	Long Vent Kit	*9MPD100J14/100J20
NAHA003LV	High Altitude Long Vent Kit	*9MPD100J14/100J20
NAHA002WL	To replace Warning Labels, Operating Instructions & Wiring Labels on Blower Door when needed	*9MPD

\*\* Must be ordered from Service Parts

\* Denotes Brand (C, H, T)

## MODEL NUMBER IDENTIFICATION GUIDE

Brand Identifier	* 9	MP	D	075	F	12	C	#	Engineering Rev.
* = Brand Specific									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)

\* Denotes Brand (C, H, T)

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