Kenmore

H8MPN

Deluxe 80 Single Stage

Flexibility

- 40″ high for more noise reduction and ease of installation.
- Factory shipped for natural gas, with LP Gas conversion kits available.
- Four position – upflow/downflow/ horizontal installation.
- Category I venting.
- Three position inducer capability.
- Common venting with water heater.

Service

- Self diagnostics.
- Entire blower assembly mounted on rails.

Quality

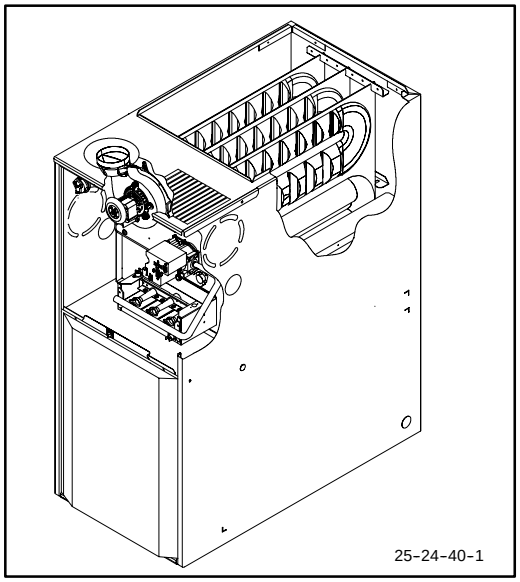
- RPJ III Aluminized steel heat exchanger.
- 20 year limited warranty on heat exchangers and 5 years on parts.
- High temperature limit control prevents overheating.
- Hot surface pilot ignition device.
- Flame roll-out sensors standard.
- Louvered doors.
- One piece prepainted steel cabinet.
- Masonry chimney adapter available.

Comfort

- Adjustable timed blower Off delay.
- Humidifier terminal
- Electronic air cleaner terminal.

Efficiency

- 80% AFUE efficiency range. +
- Single stage gas valve operation.
- Single stage fan timer.
- Multispeed, prelubricated PSC motors.
- Induced draft blower.
- In-shot burners.



Representative drawing only, some models may vary in appearance.

WARNING

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

UPFLOW/DOWNFLOW/HORIZONTAL (NATURAL GAS)

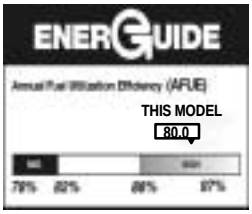
Model Number	Heat Exchangers #	Dimensions H x W x D (In.)	Price
H8MPN050B12A	20 year	40 x $15^1/_2$ x 29	
H8MPN075B12A	20 year	40 x $15^1/_2$ x 29	
H8MPN075F16A	20 year	40 x $19^1/_8$ x 29	
H8MPN100F14A	20 year	40 x $19^1/_8$ x 29	
H8MPN100F20A	20 year	40 x $19^1/_8$ x 29	
H8MPN100J20A	20 year	40 x $22^3/_4$ x 29	
H8MPN125J20A	20 year	40 x $22^3/_4$ x 29	
H8MPN150J20A	20 year	40 x $22^3/_4$ x 29	

20 YEAR LIFETIME WARRANTY

PERFORMANCE DATA HEATING

Model Number	Input (MBTUH)	Efficiency AFUE +	Cooling Cap. @ .5″ W.C.
*8MPN050B12A	50,000	80%	1.5 – 3.0 TON
*8MPN075B12A	75,000	80%	1.5 – 3.0 TON
*8MPN075F16A	75,000	80%	2.5 – 4.0 TON
*8MPN100F14A	100,000	80%	2.0 – 3.5 TON
*8MPN100F20A	100,000	80%	3.5 – 5.0 TON
*8MPN100J20A	100,000	80%	3.5 – 5.0 TON
*8MPN125J20A	125,000	80%	3.5 – 5.0 TON
*8MPN150J20A	150,000	80%	3.5 – 5.0 TON

* Denotes Brand



LIMITED PARTS 5 YEAR WARRANTY

EFFICIENCY RATING CERTIFIED Gama

FURNACE SPECIFICATIONS MULTI-POSITION

Model Number NATURAL GAS	*8MPN							
	050B12	075B12	075F16	100F14	100F20	100J20	125J20	150J20
INPUT (btuh)	50,000	75,000	75,000	100,000	100,000	100,000	125,000	150,000
HTG. CAP. (btuh)	40,000	60,000	60,000	81,000	81,000	81,000	101,000	121,000
AFUE % (ICS)	80%	80%	80%	80%	80%	80%	80%	80%
TEMP. RISE (deg. F)	35-65	30-60	30-60	35-65	35-65	35-65	35-65	35-65
VOLTS/PH/HZ	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60	115/1/60
RATING PLATE AMPS.	8.8	9.5	10.1	9.9	13.9	12.6	13.9	13.9
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 COLLAR SIZE	4″	4″	4″	4″	4″	4″	4″	4″
COOLING CAP.	3.0	3.0	4.0	3.5	5.0	5.0	5.0	5.0
SHIPPING WEIGHT (LBS.)	128	134	140	140	156	166	172	188
DIMENSIONS (in.) HEIGHT	40	40	40	40	40	40	40	40
WIDTH X DEPTH	15 1/2 x 29	15 1/2 x 29	19 1/8 x 29	19 1/8 x 29	19 1/8 x 29	22 3/4 x 29	22 3/4 x 29	22 3/4 x 29

(ICS) = Isolated Combustion System

ACCESSORIES

Model Number	Description	Used With Models
TWINNING KIT		
NAHA003WK	Twinning kit. Allows operation of two identical-size model furnaces.	ALL *8MPN FURNACES
GAS CONVERSION KITS		
NAHL002LP 1160991 *	Natural gas to LP (propane) conversion Kit. Allows field conversion to LP (propane) gas.	ALL *8MPN FURNACES
NAHF002NG 1009510 *	LP (Propane) to natural gas conversion kit. Allows field conversion to natural gas. (Single Stage)	ALL *8MPN FURNACES
FILTER KITS		
NAHA001FF	External filter frame. 16″ x 25″	Side Return (All Furnaces) Bottom Return (All “F” 19 1/8″ Furnaces under 1650 CFM)
NAHA002FF	Bottom return filter frame kit 20″ x 25″.	(All “J” 22 3/4″ Furnaces)
NAHA003FF	Bottom or side return filter frame kit 14″ x 25″.	(All “B” 15 1/2″ Furnaces)
NAHA001TK	Duct Standoff Filter Kit. To adapt 20″ x 25″ filter for single side return.	Side Return (All single return applications with 1650 CFM or greater) Bottom Return (All “F” 19 1/8″ Furnaces under 1650 CFM)
COMBUSTIBLE FLOOR SUBBASES		
NAHH001SB	Subbase Furnace ONLY: All 15 1/2″ wide furnace models	
NAHH002SB	Subbase Furnace ONLY: All 19 1/4″ wide furnace models	*8MPN075-100F
NAHH003SB	Subbase Furnace ONLY: All 22 3/4″ wide furnace models	*8MPN100-125J
NAHH004SB	Subbase Furnace w/15 1/2″ cased coil	Counterflow furnace *8MPN050-075B
NAHH005SB	Subbase Furnace w/19 1/4″ cased coil	Counterflow furnace *8MPN075-100F
NAHH006SB	Subbase Furnace w/22 3/4″ cased coil	Counterflow furnace *8MPN100-125J
MASONRY CHIMNEY ADAPTER		
NAHA001DH	Chimney adapter (6″)	*8MPN050, 075, 100
NAHA002DH	Chimney adapter (7″)	*8MPN125 & 150
VENT GUARD		
NAHA002VC	Downflow vent guard	All downflow applications
COIL ADAPTER		
NAHA001CA	Coil Adapter for Downflow Furnaces	All Multi- Position Furnaces in the Downflow Application

* Fast part number

** Applications of *8MPN125 above 1650 CFM requires two side returns or NAHA001TK 20 x 25 duct stand-off filter kit or bottom return applications with the *8MPN125 & 150 use the 20 x 25 bottom return filter kit, NAHA002FF.

To achieve 2000 CFM with the stand-off filter kit you will still need a bottom return or 2 side filters.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

BLOWER PERFORMANCE MULTI-POSITION

Model Number	*8MPN							
	050B12	075B12	075F16**	100F14	100F20**	100J20	125J20**	150J20**
BLOWER TYPE AND SIZE	11x8	11x8	11 x 10	11 x 10	11 x 10	11 x 10	11x10	12x12
MOTOR H.P. (TYPE)	1/2/PSC	1/2/PSC	1/2/PSC	1/2/PSC	1/2/PSC	1/2/PSC	1/2/PSC	3/4/PSC
MOTOR SPEEDS	4	4	4	4	4	4	4	4

AIRFLOW DATA

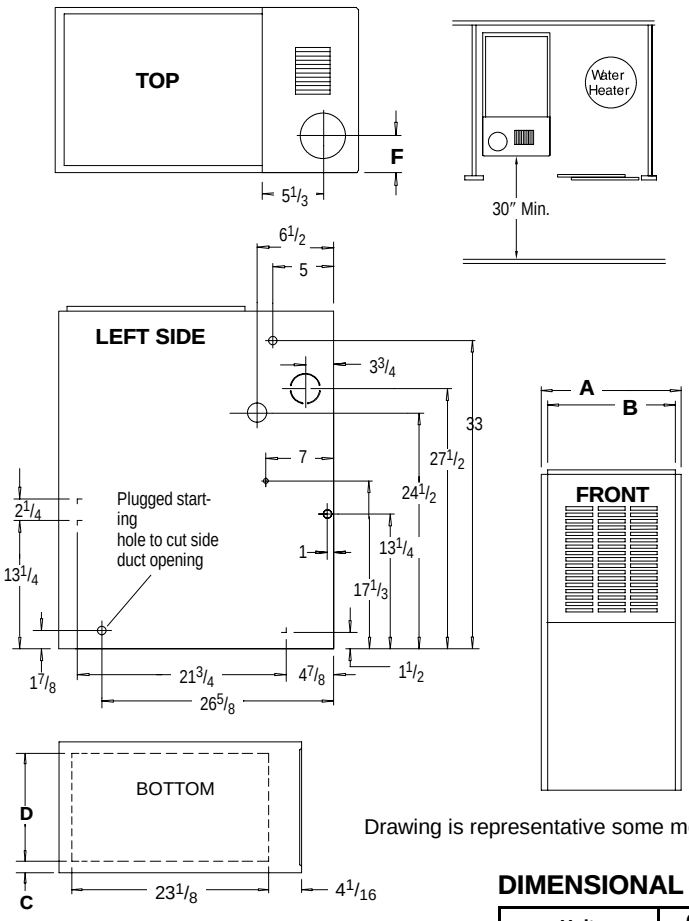
.10 ESP IN. W.C.	LOW	472	695	598	770	831	773	860	1656
	MEDIUM LOW	704	963	841	949	1125	1045	1149	1915
	MEDIUM HIGH	1167	1220	1427	1328	1582	1453	1666	2168
	HIGH	1387	1559	1861	1760	2216	2147	2147	2385
.20 ESP IN. W.C.	LOW	419	644	499	709	823	764	848	1620
	MEDIUM LOW	671	928	795	911	1124	1041	1154	1851
	MEDIUM HIGH	1135	1183	1406	1282	1585	1461	1622	2129
	HIGH	1338	1463	1816	1718	2216	2137	2137	2360
.30 ESP IN. W.C.	LOW	365	644	400	648	814	755	836	1583
	MEDIUM LOW	638	928	748	873	1123	1037	1158	1787
	MEDIUM HIGH	1102	1183	1384	1235	1588	1469	1577	2090
	HIGH	1288	1463	1770	1675	2179	2128	2126	2335
.40 ESP IN. W.C.	LOW	328	616	345	596	798	734	821	1545
	MEDIUM LOW	605	901	708	823	1120	1029	1149	1742
	MEDIUM HIGH	1069	1151	1364	1175	1583	1459	1569	2044
	HIGH	1241	1412	1724	1613	2127	2078	2137	2274
.50 ESP IN. W.C.	LOW	290	588	289	544	781	712	805	1507
	MEDIUM LOW	572	873	667	772	1117	1020	1140	1697
	MEDIUM HIGH	1035	1118	1343	1115	1577	1459	1561	1997
	HIGH	1194	1361	1677	1551	2074	2078	2148	2212
.60 ESP IN. W.C.	LOW	250	564	236	501	749	680	782	1449
	MEDIUM LOW	547	822	624	728	1085	999	1111	1647
	MEDIUM HIGH	987	1068	1299	1076	1559	1441	1539	1927
	HIGH	1132	1300	1612	1478	1992	2020	2035	2149
.70 ESP IN. W.C.	LOW	209	540	---	457	717	647	758	1390
	MEDIUM LOW	522	771	582	684	1053	979	1081	1596
	MEDIUM HIGH	939	1017	1254	1036	1541	1424	1516	1856
	HIGH	1070	1239	1547	1404	1909	1963	1922	2085
.80 ESP IN. W.C.	LOW	---	502	---	409	663	601	710	1301
	MEDIUM LOW	483	723	530	628	1009	936	1045	1521
	MEDIUM HIGH	880	959	1192	966	1457	1385	1472	1755
	HIGH	1004	1161	1454	1310	1827	1879	1845	1992
.90 ESP IN. W.C.	LOW	463	463	---	361	609	554	661	1212
	MEDIUM LOW	443	675	477	572	964	894	1009	1445
	MEDIUM HIGH	820	900	1129	895	1373	1347	1428	1654
	HIGH	937	1083	1360	1215	1745	1795	1767	1898
1.00 ESP IN. W.C.	LOW	413	413	---	308	561	497	614	1125
	MEDIUM LOW	370	615	436	507	888	828	925	1337
	MEDIUM HIGH	753	835	1016	811	1307	1262	1357	1561
	HIGH	858	998	1262	1093	1641	1705	1663	1777

NOTE: Applications of *8MPN125 above 1650 CFM requires two side returns or use accessory stand-off filter kit for single return.

* Denotes Brand

** 075F16 - Reduce airflow by 5% if bottom return ONLY.
100F20 - Reduce airflow by 10% if bottom return ONLY.
125J20 - Reduce airflow by 5% if bottom return ONLY.
150J20 - Reduce airflow by 10% if bottom return ONLY.

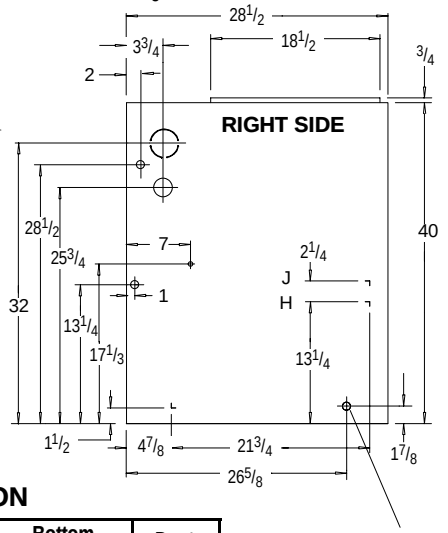
UNIT DIMENSIONS



Drawing is representative some models may vary

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS FOR ALL UNITS	
REAR	0
FRONT	3″
Recommended For Service	30″
ALL SIDES Of SUPPLY PLENUM	1″
SIDES	0
VENT	
Single Wall Vent	6″
Type B–1 Double Wall Vent	1″
TOP OF FURNACE	1″

Horizontal position: Line contact is permissible only between lines formed by intersections of top and two sides of furnace jacket, and building joists, studs or framing.



NOTE: Evaporator "A" coil drain pan dimensions may vary from furnace duct opening size. Always consult evaporator specifications for duct size requirements.

Unit is designed for bottom return or side return.

Return air through back of unit is NOT allowed.

ALL DIMENSIONS IN INCHES (millimeters)

DIMENSIONAL INFORMATION

Unit Capacity	Cabinet		Top	Bottom		Duct Size
	A	B	F	C	D	
*8MPN050B12 *8MPN075B12	15 1/2	14	6	1 3/8	12 5/8	H
*8MPN075F16 *8MPN100F14 *8MPN100F20	19 1/8	17 5/8	7 3/4	2 1/8	14 3/4	J
*8MPN100J20 *8MPN125J20 *8MPN150J20	22 3/4	21 1/4	9 1/2	1 15/16	18 3/4	J

MODEL NUMBER IDENTIFICATION GUIDE

*	8	MP	N	075	B	12	A	#

Brand

Brand Efficiency
8 = Non–Condensing, 80+% Gas Furnace
9 = Condensing, 90+% Gas Furnace

Installation Configuration
UP = Upflow DN = Downflow
UH = Upflow/Horizontal HZ = Horizontal
DH = Downflow/Horizontal
MP = Multiposition, Upflow/Downflow/Horizontal

Major Design Feature
1 = One (Single) Pipe N = Single Stage
2 = Two Pipe P = PVC Vent
D = 1 or 2 Pipe T = Two Stage
L = Low NOx V = Variable Speed

Input (Nominal MBTUH)

Cabinet Width
B = 15.5″ Wide J = 22.8″ Wide
F = 19.1″ Wide L = 24.5″ Wide

Cooling Airflow
08 = 800 CFM 16 = 1600 CFM
12 = 1200 CFM 20 = 2000 CFM
14 = 1400 CFM

Marketing Digit
Denotes minor change

Engineering Rev.
Denotes minor changes

* Denotes Brand

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