

Deluxe 80

Flexibility

- 40" high with wider cabinets, for more noise reduction and ease of installation.
- Factory shipped as 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

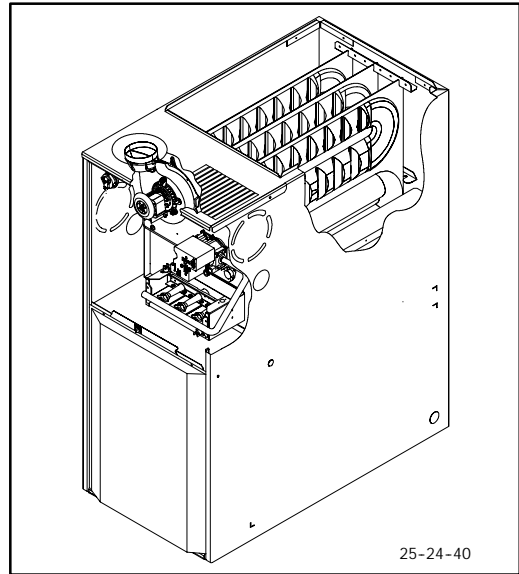
- RPJ III Aluminized steel heat exchanger.
- High temperature limit control prevents overheating.
- Hot surface pilot ignition device.
- Flame roll-out sensors standard.
- Louvered doors.
- One piece prepainted steel cabinet.
- Masonry chimney adapter available.

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

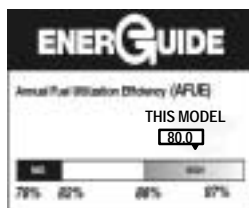
This furnace is not designed for use inside mobile homes, trailers, or recreational vehicles. Such use could result in property damage, bodily injury, and/or death.

UPFLOW/DOWNFLOW/HORIZONTAL (NATURAL GAS)

Model Number	Dimensions H x W x D (In.)	Price
H8UH5050B12A	40 x 15 ¹ / ₂ x 29	
H8UH5075B12A	40 x 15 ¹ / ₂ x 29	
H8UH5100F14A	40 x 19 ¹ / ₈ x 29	
H8UH5125J20A	40 x 22 ³ / ₄ x 29	
H8UH5140J20A	40 x 22 ³ / ₄ x 29	

PERFORMANCE DATA HEATING

Model Number	Input (MBTUH)	Efficiency AFUE	Cooling Cap. @ .5" W.C.
	50,000	80%	1.5 - 3.0 TON
H8UH5075B12A	75,000	80%	1.5 - 3.0 TON
H8UH5100F14A	100,000	80%	3.0 - 4.0 TON
H8UH5125J20A	125,000	80%	3.5 - 5.5 TON
H8UH5140J20A	140,000	80%	3.5 - 5.5 TON



FURNACE SPECIFICATIONS MULTI-POSITION

Model Number NATURAL GAS	H8UH5050B12	H8UH5075B12	H8UH5100F14	H8UH5125J20	H8UH5140J20
INPUT (btuh)	50,000	75,000	100,000	125,000	140,000
HTG. CAP. (btuh)	38,000	57,000	76,000	95,000	107,000
AFUE % (ICS)	80%	80%	80%	80%	80%
TEMP. RISE (deg. F)	30-60	35-65	35-65	35-65	45-75
VOLTS/PH/HZ	220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
RATING PLATE AMPS.	6.4	6.3	6.5	9.3	9.0
TRANSFORMER (V.A.)	40	40	40	40	40
GAS PIPE SIZE (IN.)	1/2	1/2	1/2	1/2	1/2
CATEGORY I VENT SIZE	3"	4"	4"	5"	5"
COOLING CAP.	3	3	3.5	5	5.5
SHIPPING WEIGHT (LBS.)	128	140	166	172	188
DIMENSIONS (in.) HEIGHT	40	40	40	40	40
WIDTH X DEPTH	15 1/2 x 29	15 1/2 x 29	19 1/8 x 29	22 3/4 x 29	22 3/4 x 29

ACCESSORIES

Model Number	Description	Used With Models
TWINNING KIT		
NAHA003WK	Twinning kit. Allows operation of two identical-size model furnaces.	ALL H8UH5 FURNACES
GAS CONVERSION KITS		
NAHL002LP 1160991 *	Natural gas to LP (propane) conversion Kit. Allows field conversion to LP (propane) gas.	ALL H8UH5 FURNACES
NAHF002NG 1009510 *	LP (Propane) to natural gas conversion kit. Allows field conversion to natural gas. (Single Stage)	ALL H8UH5 FURNACES
FILTER KITS		
NAHA001FF ¹	External filter frame. 16" x 25"	H8UH5075-140
NAHA002FF	Bottom return filter frame kit 20" x 25".	H8UH5100-140**
NAHA003FF	Bottom or side return filter frame kit 14" x 25".	H8UH5050 & 075
NAHA001TK	Duct Standoff Filter Kit. To adapt 20" x 25" filter for single side return.	ALL FURNACES

* Fast part number

MODEL NUMBER IDENTIFICATION GUIDE

H Brand Brand Identifier 8 = Non-Condensing, 80+% Gas Furnace 9 = Condensing, 90+% Gas Furnace	8	UH Installation Configuration UP = Upflow DN = Downflow UH = Upflow/Horizontal HZ = Horizontal DH = Downflow/Horizontal MP = Multiposition, Upflow/Downflow/Horizontal	5 Major Design Feature 1 = One (Single) Pipe N = Single Stage 5 = 50 Hz 2 = Two Pipe P = PVC Vent D = 1 or 2 Pipe T = Two Stage L = Low NOx V = Variable Speed	0 7 5	B	1 2 Cooling Airflow 08 = 800 CFM 16 = 1600 CFM 12 = 1200 CFM 20 = 2000 CFM 14 = 1400 CFM	A Marketing Digit Denotes minor change	# Engineering Rev. Denotes minor changes
								Cabinet Width B = 15.5" Wide J = 22.8" Wide F = 19.1" Wide L = 24.5" Wide
								Input (Nominal MBTUH)

BLOWER PERFORMANCE MULTI-POSITION

Model Number	H8UH5050B12	H8UH5075B12	H8UH5100F14	H8UH5125J20	H8UH5140J20
BLOWER TYPE AND SIZE	11x8	11x8	11 x 10	11x10	12X12
MOTOR H.P. (TYPE)	1/2/PSC	1/2/PSC	3/4/PSC	3/4/PSC	3/4/PSC
MOTOR SPEEDS	4	4	4	4	4

AIRFLOW DATA

.10 ESP IN. W.C.	LOW	852	899	1011	1243	1178
	MEDIUM LOW	950	982	1129	1425	1351
	MEDIUM HIGH	1110	1155	1304	1703	1562
	HIGH	1310	1406	1624	2225	2078
.20 ESP IN. W.C.	LOW	812	853	941	1189	1099
	MEDIUM LOW	918	944	1076	1399	1297
	MEDIUM HIGH	1076	1119	1256	1670	1527
	HIGH	1271	1373	1576	2189	2030
.30 ESP IN. W.C.	LOW	774	813	884	1148	1025
	MEDIUM LOW	878	905	1015	1370	1251
	MEDIUM HIGH	1040	1082	1201	1637	1481
	HIGH	1235	1338	1530	2163	1996
.20 ESP IN. W.C.	LOW	732	767	823	1110	964
	MEDIUM LOW	840	860	962	1337	1202
	MEDIUM HIGH	1003	1045	1145	1602	1437
	HIGH	1197	1399	1483	2117	1953
.50 ESP IN. W.C.	LOW	688	721	762	1082	907
	MEDIUM LOW	801	815	899	1301	1150
	MEDIUM HIGH	963	1001	1091	1571	1390
	HIGH	1156	1256	1420	2083	1899
.60 ESP IN. W.C.	LOW	662	677	687	1053	856
	MEDIUM LOW	758	770	836	1271	1092
	MEDIUM HIGH	925	960	1032	1539	1321
	HIGH	1114	1210	1363	2052	1844
.70 ESP IN. W.C.	LOW	616	631	616	996	802
	MEDIUM LOW	712	725	766	1228	1028
	MEDIUM HIGH	882	914	968	1498	1269
	HIGH	1068	1165	1299	2009	1783
.80 ESP IN. W.C.	LOW	580	596	560	949	746
	MEDIUM LOW	669	679	695	1180	974
	MEDIUM HIGH	841	857	904	1454	1202
	HIGH	1022	1119	1243	1937	1727
.90 ESP IN. W.C.	LOW	531	548	499	889	702
	MEDIUM LOW	625	633	622	1135	921
	MEDIUM HIGH	799	809	831	1400	1146
	HIGH	979	1067	1170	1881	1669
1.00 ESP IN. W.C.	LOW	478	497	433	831	658
	MEDIUM LOW	579	584	563	1082	871
	MEDIUM HIGH	754	776	768	1340	1084
	HIGH	931	1022	1108	1817	1593

NOTE: Applications of HUH5125/140 above 1650 CFM requires two side returns or use accessory stand-off filter kit for single return.

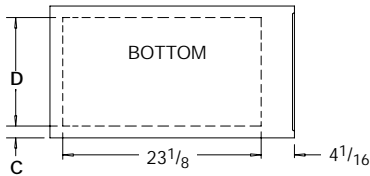
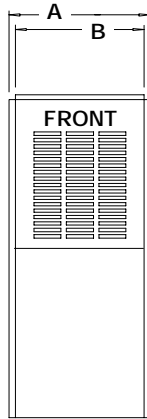
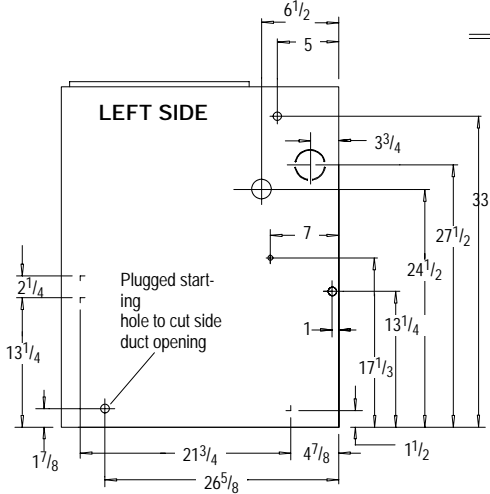
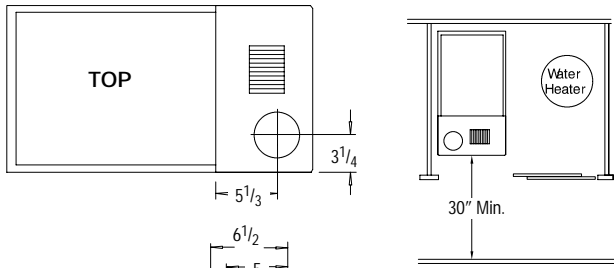
To achieve 2000 CFM with the stand-off filter kit you will still need a bottom return or 2 side filters.

¹ NAHA001FF application: H8UH5075/100 bottom or side return, H8UH5125 & 150 side return only.

H8UH5125J20 - Reduct airflow by 15% if bottom return only.

H8UH5140J20 - Reduct airflow by 25% if bottom return only.

UNIT DIMENSIONS

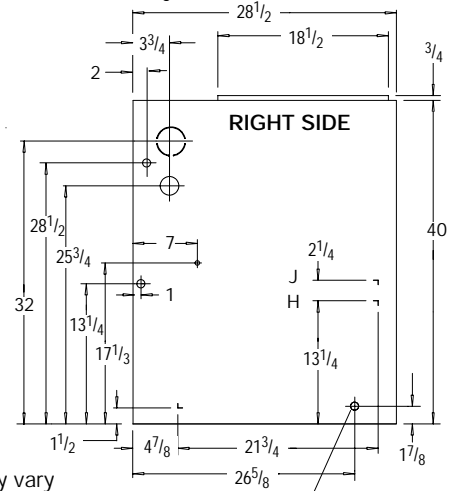


Drawing is representative some models may vary

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.



DIMENSIONAL INFORMATION

Unit Capacity	Cabinet		Bottom	
	A	B	C	D
H8UH5050/75B	15 1/2	14	1 3/8	12 5/8
H8UH5100F14	19 1/8	17 5/8	2 1/8	14 3/4
H8UH5125/140	22 3/4	21 1/4	1 5/16	18 3/4

Plugged starting hole to cut side duct opening

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)