

### 95% AFUE

## Single Stage Furnace

## Upflow/Horizontal

#### 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
- Upflow/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

- 95% AFUE, upflow
- Up to 95% AFUE, horizontal
- 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
- Dependable hot surface ignition with Silicon Nitride igniter
- Flame roll-out sensors standard
- Stainless steel solid doors
- 5 year parts warranty
- 5 year No Hassle replacement warranty
- Limited lifetime heat exchanger 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/HORIZONTAL (NATURAL GAS)						
Model Number	Heat Exchangers *	Dimensions H x W x D (In.)	Input (MBTUH)	AFUE		Cooling Capacity @ .5 in wc
				Upflow	Horizontal	
T9UHX060F12A	Lifetime	40 x 19 <sup>1</sup> / <sub>8</sub> x 29	60	95.0	94.4	1.5 - 3.0 TON
T9UHX080J12A	Lifetime	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	80	95.0	94.4	2.0 - 3.0 TON
T9UHX080J16A	Lifetime	40 x 22 <sup>3</sup> / <sub>4</sub> x 29	80	95.0	95.0	2.0 - 4.0 TON
T9UHX100L20A	Lifetime	40 x 24 <sup>1</sup> / <sub>2</sub> x 29	100	95.0	94.4	3.5 - 5.0 TON

\* LIMITED LIFETIME WARRANTY

## FURNACE SPECIFICATIONS

Model Number	NATURAL GAS	*9UHX060F12	*9UHX080J12	*9UHX080J16	*9UHX100L20
INPUT (btuh)		60,000	80,000	80,000	100,000
HTG. CAP. (btuh)		58,000	77,000	77,000	96,000
UPFLOW AFUE % (ICS)		95.0	95.0	95.0	95.0
HORIZONTAL AFUE % (ICS)		94.4	94.4	95.0	94.4
NOx (Ng/J)		<40	<40	<40	<40
TEMP. RISE DEGREES (°F/°C)		30-60/17-33	35-65/19-46	30-60/17-33	30-60/17-33
VOLTS/HZ/PH		115/1/60	115/1/60	115/1/60	115/1/60
MIN./MAX. VOLTAGE		104/127	104/127	104/127	104/127
RATING PLATE AMPS.		10	10.5	13.6	14.8
TRANSFORMER (V.A.)		40	40	40	40
GAS PIPE SIZE (IN.)		1/2	1/2	1/2	1/2
VENT SIZE <sup>^</sup>		2" or 3" OD	3" OD	3" OD	3" OD
COOLING CAP.		3.0	3.0	4.0	5.0
FILTER SIZE (IN.) (1 required)		16X25X1	16X25X1	16X25X1(2)	16X25X1(2)
DIMENSIONS (in.) HEIGHT		40	40	40	40
WIDTH X DEPTH		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	24 <sup>1</sup> / <sub>2</sub> x 29
WEIGHT (Lbs.)		153	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, T, H)

## MODEL NUMBER IDENTIFICATION GUIDE

Brand Identifier	* 9	UH	X	060	F	12	A	#
* = Brand Specific								<b>Engineering Rev.</b> Denotes minor change
<b>Model Efficiency</b> 8 = Non-Condensing, 80+% Gas Furnace 9 = Condensing, 90+% Gas Furnace								<b>Marketing Digit</b> Denotes major change
<b>Installation Configuration</b> UH = Upflow/Horizontal								<b>Cooling Airflow</b> 12 = 1200 CFM 16 = 1600 CFM 20 = 2000 CFM
<b>Major Design Feature</b> 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 X = Extra Efficiency								<b>Cabinet Width</b> B = 15.5" Wide      J = 22.8" Wide F = 19.1" Wide      L = 24.5" Wide
								<b>Input</b> (Nominal MBTUH)

## ACCESSORIES

Model Number	Description	Used With Models
NAHA004WK	Twinning Kit - Allows operation of two identical-size model furnaces.	All *9UHX Furnaces
NAHA003LP 1174906 <sup>+</sup>	Gas Conversion Kits - Natural gas to LP (propane) conversion Kit. Allows field conversion to LP (propane) gas.	*9UHX
NAHA004NG 1174907 <sup>+</sup>	Gas Conversion Kits - LP (Propane) to natural gas conversion kit. Allows field conversion to natural gas.	*9UHX
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 <sup>+</sup>	Condensate neutralizer kit - for condensing gas furnaces	All *9UHX Furnaces If Required
NAHA001CV 1011129 <sup>+</sup>	3" Concentric vent kit - allows single wall penetration for 2 pipe direct vent applications (90+).	*9UHX060 (65' & (4) 90°elbows) *9UHX080 (35' & (4) 90°elbows) *9UHX100 (35' & (4) 90°elbows)
NAHA002CV	2" Concentric vent kit - allows single wall penetration for 2 pipe direct vent applications (90+).	*9UHX060 (35' & (4) 90°elbows) *9UHX080 (35' & (4) 90°elbows) *9UHX100 (25' & (4) 90°elbows)
1175066 <sup>+</sup>	High Altitude Pressure Switch Kit (1 Pressure Switch)	*9UHX060
1175067 <sup>+</sup>	High Altitude Pressure Switch Kit (2 Pressure Switches)	*9UHX080J12 & *9UHX080J16
1175068 <sup>+</sup>	High Altitude Pressure Switch Kit (2 Pressure Switches)	*9UHX100

<sup>+</sup> Must be ordered from Service Parts

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Specifications subject to change without notice.

## BLOWER PERFORMANCE

Model Number	NATURAL GAS	*9UHX060F12 (1)(2)	*9UHX080J12 (1)(2)	*9UHX080J16 (1)(2)	*9UHX100L20 (1)(2)
BLOWER SIZE INCHES (DIA. x WIDTH)		11-10	11-10	11-10	11-10
MOTOR H.P. (TYPE)		PSC / <sup>1</sup> / <sub>2</sub>	PSC / <sup>1</sup> / <sub>3</sub>	PSC / <sup>1</sup> / <sub>2</sub>	PSC / <sup>3</sup> / <sub>4</sub>
MOTOR SPEEDS		4	4	4	4

## AIRFLOW DATA (CFM)

.10 ESP in wc	LOW	703	976	922	1820
	MEDIUM LOW	901	1123	1246	1993
	MEDIUM HIGH	1204	1326	1690	2137
	HIGH	1478	1456	2032	2240
.20 ESP in wc	LOW	649	941	898	1768
	MEDIUM LOW	864	1112	1250	1934
	MEDIUM HIGH	1154	1312	1650	2062
	HIGH	1418	1440	1952	2163
.30 ESP in wc	LOW	588	909	872	1722
	MEDIUM LOW	818	1085	1226	1872
	MEDIUM HIGH	1103	1280	1601	1992
	HIGH	1350	1420	1874	2083
.40 ESP in wc	LOW	538	870	838	1656
	MEDIUM LOW	765	1043	1187	1801
	MEDIUM HIGH	1053	1241	1533	1916
	HIGH	1280	1379	1785	2002
.50 ESP in wc	LOW	488	818	806	1590
	MEDIUM LOW	720	1002	1151	1723
	MEDIUM HIGH	993	1209	1462	1833
	HIGH	1201	1325	1688	1912
.60 ESP in wc	LOW	459	784	769	1513
	MEDIUM LOW	672	952	1090	1636
	MEDIUM HIGH	924	1155	1381	1745
	HIGH	1116	1261	1593	1821
.70 ESP in wc	LOW	408	714	711	1426
	MEDIUM LOW	620	893	1014	1547
	MEDIUM HIGH	846	1082	1287	1654
	HIGH	1023	1208	1482	1727
.80 ESP in wc	LOW	365	640	643	1325
	MEDIUM LOW	558	792	918	1437
	MEDIUM HIGH	764	1001	1182	1551
	HIGH	931	1115	1360	1618
.90 ESP in wc	LOW	317	567	570	1199
	MEDIUM LOW	489	702	790	1315
	MEDIUM HIGH	683	868	1053	1430
	HIGH	825	1007	1231	1502
1.00 ESP in wc	LOW	233	491	488	1047
	MEDIUM LOW	428	608	678	1159
	MEDIUM HIGH	590	746	850	1275
	HIGH	730	830	1052	1356

NOTE: (1) Data based on Bottom Only or One Side return.  
 (2) 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.

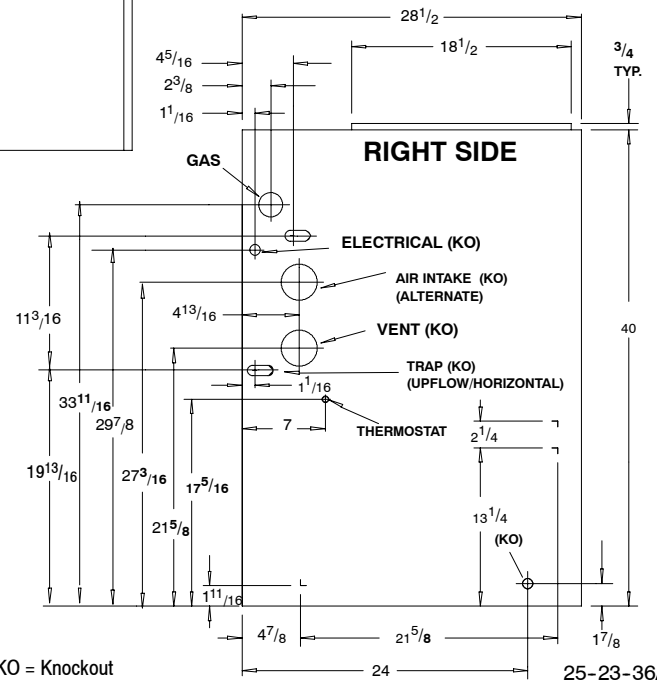
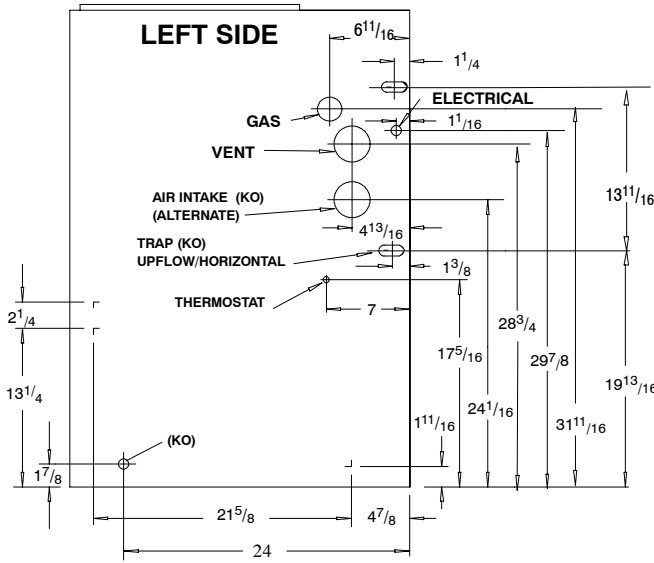
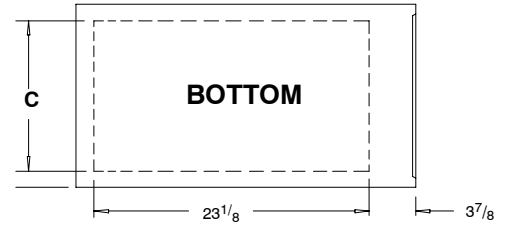
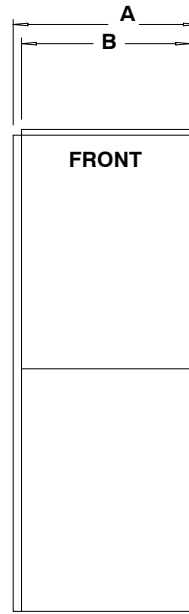
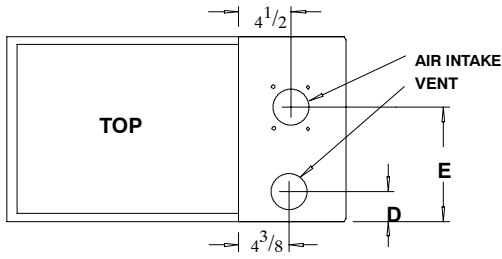
Filter required for each return-air inlet. Airflow performance includes 1" washable (600 FPM max) filter media.

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.

# DIMENSIONS

Cabinet to Combustible Clearances						
TOP	BOT.	RH	LH	BACK	FRNT	FLUE
1"	0"	0"	0"	0"	3"	0"



Unit Capacity	Cabinet		Bottom	Top	
	A	B	C	D	E
*9UHX060F12	$19\frac{1}{8}$	$17\frac{5}{8}$	$14\frac{3}{4}$	$2\frac{1}{2}$	$9\frac{1}{2}$
*9UHX080J12	$22\frac{3}{4}$	$21\frac{1}{4}$	$18\frac{3}{4}$	$2\frac{5}{8}$	$11\frac{3}{8}$
*9UHX080J16	$22\frac{3}{4}$	$21\frac{1}{4}$	$18\frac{3}{4}$	$2\frac{5}{8}$	$11\frac{3}{8}$
*9UHX10L20	$24\frac{1}{2}$	23	23	$2\frac{1}{4}$	$12\frac{1}{4}$

ALL DIMENSIONS IN INCHES  
1 in = 25.4 mm

\* Denotes Brand (C, T, H)

KO = Knockout

25-23-36A