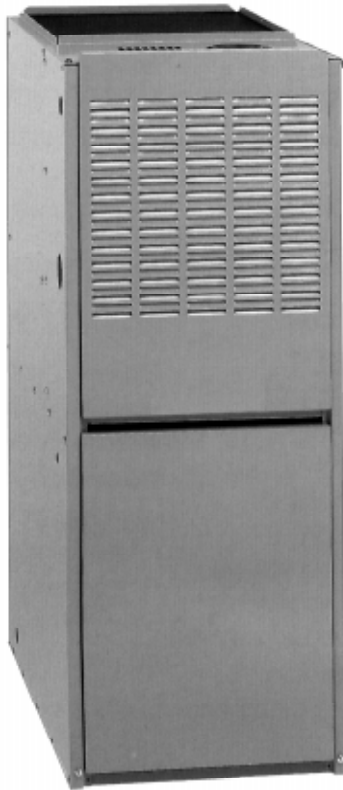


# GAS FURNACE



## INDUCED COMBUSTION



Representative photo only, some models may vary in appearance.

**MANUFACTURED FOR NATURAL GAS  
CONVERTIBLE TO (LP) PROPANE GAS**

**NOTE:** These furnaces are not designed for installation in a corrosive atmosphere, containing Chlorine, Fluorine, or any other damaging chemicals.

### 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.

## Quiet Comfort™ 80% UPFLOW/HORIZONTAL 40"

### OPERATION

- 80% AFUE efficiency range.
- Enclosed burners for quiet operation.
- Hot surface pilot ignition device.
- Induced draft combustion blower.
- Adjustable electronic fan control with low speed continuous fan feature provides maximum comfort.

### HEAT EXCHANGER

- Four pass, non-welded, aluminized steel.
- 20 year limited heat exchanger warranty.

### VENTING

- Category I venting only in accordance with installation instructions and local codes.
- Approved for use with optional linerless chimney vent kit.

### BURNER ASSEMBLY

- In-shot monoport burner.

### BLOWER ASSEMBLY

- Multispeed, prelubricated PSC motors. Dynamically balanced.
- Resilient mounted motors to reduce vibration and noise.
- Entire blower assembly mounted on rails for easy service.

### WIRING CENTER

- 40VA transformer.
- Color coded wiring harness.
- Terminal board allows easy selection of motor speeds.
- Electronic air cleaner and humidifier connections provided.
- Factory pre-wired.

### CABINET

- Architectural stone prepainted cabinet.
- Fully insulated cabinet.

### SAFETY

- Flame sensor constantly monitors flame. Provides 100% gas shut off if flame is not sensed.
- Redundant gas valve.
- High temperature limit control.
- Flue blockage pressure switch.
- Blower door interlock switch prevents furnace operation if door is removed.

### INSTALLATION

- May be installed as an upflow furnace or as a horizontal left or right furnace.
- Compact 40" design.
- Convertible to (LP) Propane Gas.
- 0" clearances on sides and back.
- Filters and filter rack standard.
- Twinning kit available to operate two furnaces in tandem.



Design Certified  
by A.G.A.



## FURNACE SPECIFICATIONS UPFLOW HORIZONTAL

Model Number	NATURAL GAS	NTC6050FBA	NTC6075FBA	NTC6075HFA	NTC6100GFA	NTC6100KFA	NTC6100KJA	NTC6125KJA	NTC6150KJA
INPUT (btuh)		50,000	75,000	75,000	100,000	100,000	100,000	125,000	150,000
HTG. CAP. (btuh)		40,000	59,000	60,000	79,000	80,000	79,000	99,000	120,000
AFUE % (ICS)		80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%
CSE		73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%
TEMP. RISE (deg. F)		35 - 65	35 - 65	25 - 55	45 - 75	40 - 70	35 - 65	40 - 70	45 - 75
VOLTS/PH/Hz		115/60/1	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1	115/60/1
F.L.A.		9	9	12	7	12	12	15	15
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
CATEGORY I VENT SIZE		3"	4"	4"	4"	4"	4"	5"	5"
COOLING CAP.		3.0 TON	3.0 TON	4.0 TON	3.5 TON	5 TON	5.0 TON	5.0 TON	5.0 TON
FILTER SIZE (IN.) (supplied)		14 x 25 x 1	14 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1	16 x 25 x 1 (2)	16 x 25 x 1 (2)	16 x 25 x 1 (2)
SHIPPING WEIGHT (LBS.)		127	129	157	159	159	175	177	179
DIMENSIONS (in.) HEIGHT		40	40	40	40	40	40	40	40
WIDTH X DEPTH		15 <sup>1</sup> / <sub>2</sub> x 28 <sup>1</sup> / <sub>2</sub>	15 <sup>1</sup> / <sub>2</sub> x 28 <sup>1</sup> / <sub>2</sub>	19 <sup>1</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>2</sub>	19 <sup>1</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>2</sub>	19 <sup>1</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>2</sub>	22 <sup>3</sup> / <sub>4</sub> x 28 <sup>1</sup> / <sub>2</sub>	22 <sup>3</sup> / <sub>4</sub> x 28 <sup>1</sup> / <sub>2</sub>	22 <sup>3</sup> / <sub>4</sub> x 28 <sup>1</sup> / <sub>2</sub>

## BLOWER PERFORMANCE

Model Number	NATURAL GAS	NTC6050FBA	NTC6075FBA	NTC6075HFA	NTC6100GFA	NTC6100KFA	NTC6100KJA	NTC6125KJA	NTC6150KJA
BLOWER TYPE AND SIZE		10 x 8	10 x 8	10 x 10	10 x 10	11 x 10	11 x 10	11 x 10	11 x 12
MOTOR H.P. (TYPE)		1/3	1/3	1/2	1/2	3/4	3/4	3/4	3/4
MOTOR SPEEDS		4	4	3	4	4	4	4	4

## AIRFLOW DATA

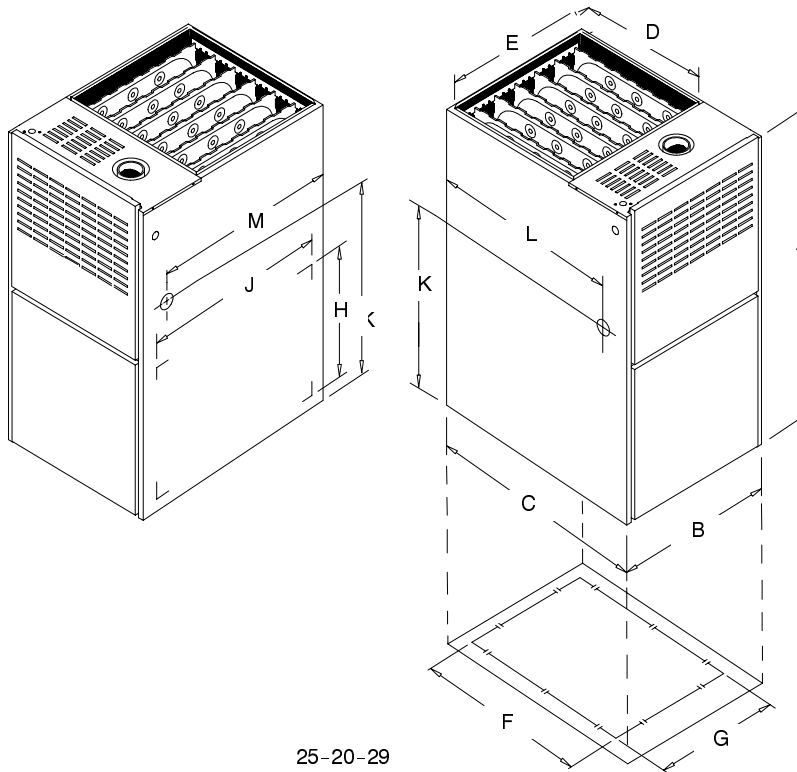
.10 ESP IN. W.C.	LOW	675	675	1503	815	1278	1210	1264	1357
	MEDIUM LOW	859	859	-	1043	1546	1441	1520	1542
	MEDIUM	-	-	1722	-	-	-	-	-
	MEDIUM HIGH	1015	1015	-	1324	1822	1773	1841	1709
	HIGH	1306	1306	1887	1649	2302	2104	2161	2073
.20 ESP IN. W.C.	LOW	662	662	1460	783	1264	1201	1251	1325
	MEDIUM LOW	846	846	-	1030	1543	1430	1506	1525
	MEDIUM	-	-	1660	-	-	-	-	-
	MEDIUM HIGH	999	999	-	1302	1784	1740	1803	1750
.30 ESP IN. W.C.	LOW	1268	1268	1810	1616	2231	2078	2132	2040
	MEDIUM LOW	651	651	1420	755	1244	1197	1249	1290
	MEDIUM	819	819	-	1021	1499	1453	1486	1503
	MEDIUM HIGH	-	-	1608	-	-	-	-	-
.40 ESP IN. W.C.	LOW	1230	1230	-	1280	1737	1740	1772	1761
	MEDIUM LOW	1324	1324	1752	1592	2171	2061	2079	2014
	MEDIUM	636	636	1370	735	1212	1191	1219	1270
	MEDIUM HIGH	795	795	-	989	1471	1441	1456	1480
	HIGH	-	-	1540	-	-	-	-	-
.50 ESP IN. W.C.	LOW	952	952	-	1255	1683	1718	1736	1740
	MEDIUM LOW	1193	1193	1670	1546	2098	2020	2042	1975
	MEDIUM	608	608	1318	704	1185	1167	1168	1243
	MEDIUM HIGH	765	765	-	968	1417	1425	1427	1464
	HIGH	-	-	1484	-	-	-	-	-
.60 ESP IN. W.C.	LOW	914	914	-	1218	1641	1707	1702	1710
	MEDIUM LOW	1133	1133	1599	1502	2012	2005	1991	1953
	MEDIUM	564	564	1250	668	1178	1160	1178	1225
	MEDIUM HIGH	735	735	-	941	1367	1390	1415	1430
	HIGH	-	-	1400	-	-	-	-	-
.70 ESP IN. W.C.	LOW	870	870	-	1171	1574	1676	1672	1650
	MEDIUM LOW	1056	1056	1520	1425	1921	1953	1914	1885
	MEDIUM	514	514	1182	646	1119	1130	1143	1195
	MEDIUM HIGH	685	685	-	881	1304	1365	1358	1401
	HIGH	-	-	1322	-	-	-	-	-
.80 ESP IN. W.C.	LOW	818	818	-	1100	1495	1654	1614	1602
	MEDIUM LOW	980	980	1425	1353	1826	1917	1838	1827
	MEDIUM	-	-	-	-	-	-	-	-
	MEDIUM HIGH	-	-	-	-	-	-	-	-

1. Application of NTC6100KFA, NTC6100KJA, NTC6125KJA, & NTC6150KJA above 1650 CFM requires two side returns or bottom return or use accessory stand-off filter kit for single side return.

## MODEL NUMBER IDENTIFICATION GUIDE

<b>Model No</b>	<b>N</b>	<b>T</b>	<b>C</b>	<b>6</b>	<b>050</b>	<b>F</b>	<b>B</b>	<b>A</b>
								<b>MARKETING REV.</b>
<b>Product Family</b>								<b>FURNACE WIDTH</b> B = 15 <sup>1</sup> / <sub>2</sub> N = 26 <sup>3</sup> / <sub>8</sub> F = 19 <sup>1</sup> / <sub>8</sub> J = 22 <sup>3</sup> / <sub>4</sub>
<b>PRODUCT GROUP</b>								
U = Upflow                      D = Downflow T = Upflow / Horizontal      L = Lowboy H = Horizontal                  F = Floor Furnace C = Downflow / Horizontal    M = Multiposition								
<b>FUEL</b>								
C = Natural Gas                  O = Oil E = Electric                      L = L.P. Gas N = Natural Gas California NOx    H = High Altitude Natural Gas								
<b>SERIES</b>								<b>NOM Air Flow (Tons)</b> A = Heat Only      G = 3.5 B = 1                  H = 4 C = 2                  J = 4.5 D = 2                  K = 5 E = 2.5                L = 5.5 - 7.0 F = 3                  M = 7.5 - 10.0
3 = 3000	6 = 6000	8 = 8000						
5 = 5000	7 = 7000	9 = 9000						
								<b>NOMINAL INPUT MBTUH</b>

## UNIT DIMENSIONS



25-20-29

Unit is designed for bottom return or side return.  
Return air through back of unit is NOT allowed.

Unit Dimensions	A	B	C	D	E	F	G	H	J	K	L	M
050FB & 075FB	40 (1.02M)	15 <sup>1</sup> / <sub>2</sub> (394)	28 <sup>1</sup> / <sub>2</sub> (724)	18 <sup>1</sup> / <sub>2</sub> (470)	14 (356)	23 <sup>1</sup> / <sub>8</sub> (587)	12 <sup>5</sup> / <sub>8</sub> (321)	12 <sup>1</sup> / <sub>4</sub> (311)	22 <sup>1</sup> / <sub>2</sub> (572)	28 <sup>1</sup> / <sub>4</sub> (718)	26 (660)	23 <sup>7</sup> / <sub>8</sub> (606)
075HF, 100GF & 100KF	40 (1.02M)	19 <sup>1</sup> / <sub>8</sub> (486)	28 <sup>1</sup> / <sub>2</sub> (724)	18 <sup>1</sup> / <sub>2</sub> (470)	17 <sup>3</sup> / <sub>8</sub> (448)	23 <sup>1</sup> / <sub>8</sub> (587)	14 <sup>3</sup> / <sub>4</sub> (375)	14 <sup>1</sup> / <sub>2</sub> (368)	22 <sup>1</sup> / <sub>2</sub> (572)	28 <sup>1</sup> / <sub>4</sub> (718)	26 (660)	23 <sup>7</sup> / <sub>8</sub> (606)
100KJ, 125KJ & 150KJ	40 (1.02M)	22 <sup>3</sup> / <sub>4</sub> (578)	28 <sup>1</sup> / <sub>2</sub> (724)	18 <sup>1</sup> / <sub>2</sub> (470)	21 <sup>1</sup> / <sub>4</sub> (540)	23 <sup>1</sup> / <sub>8</sub> (587)	18 <sup>3</sup> / <sub>4</sub> (476)	14 <sup>1</sup> / <sub>2</sub> (368)	22 <sup>1</sup> / <sub>2</sub> (572)	28 <sup>1</sup> / <sub>4</sub> (718)	26 (660)	23 <sup>7</sup> / <sub>8</sub> (606)

ALL DIMENSIONS IN INCHES (MILLIMETERS (except where specified))

## ACCESSORIES

Furnace Model Number	20x25 Bottom Return Filter Kit	20x25 Duct Stand-off with Filter	Nat. To LP Kit	LP To Nat. Gas Kit	High Alt. Nat. Gas Kit	LP High Alt.	Twinning Kit
NTC6050FB NTC6075FB NTC6075HF NTC6100GF NTC6100KF NTC6100KJ	NA	NAHA001TK	NAHL002LP *1160991	NAHF002NG *1009510	*1160993	*1160992	NAHA003WK
NTC6125KJ NTC6150KJ	NAHA002FF						

\* Service part number

## Masonry Chimney Draft Hood Chart

Furnace Model No.	Masonry Chimney Draft Hood Kit Required	Draft Hood Outlet Dia.
NTC6050FB NTC6075FB	NAHL007DH	4"
NTC6075HF	NAHL008DH	5"
NTC6100GF NTC6100KF	NAHL009DH	5"
NTC6100KJ NTC6125KJ NTC6150KJ	NAHL010DH	5"

\* For single (1) pipe venting only, no direct venting (2 pipe) applications.



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LEWISBURG, TENNESSEE 37091

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RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS •  
COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED HOME AIR  
CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO. 441 11 2306 02 (12/98)  
Replaces 441 11 2306 01 (2/98)