

GAS FURNACE

TEMPSTAR[®]
Heating and Cooling Products

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.

UPFLOW HORIZONTAL 40" 220V-1ph-50Hz

OPERATION

- 80% AFUE efficiency range.
- 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.

VENTING

- Category I venting only in accordance with installation instructions and local codes.

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.

FURNACE SPECIFICATIONS UPFLOW HORIZONTAL

Model Number	NATURAL GAS	NTC6050FWA	NTC6075FWA	NTC6100GWA	NTC6125KWA	NTC6150KWA
INPUT btuh (kw)		50,000 (14.6)	75,000 (21.9)	100,000 (29.3)	125,000 (36.6)	150,000 (43.9)
HTG. CAP. btuh (kw)		40,000 (11.7)	59,000 (17.3)	79,000 (23.1)	99,000 (29.0)	120,000 (35.1)
AFUE % (ICS)		80.0%	80.0%	80.0%	80.0%	80.0%
TEMP. RISE deg. F (deg. C)		35 - 65 (19.4 - 36.1)	35 - 65 (19.4 - 36.1)	45 - 75 (25 - 41.1)	40 - 70 (27.2 - 33)	45 - 75 (25 - 41.1)
VOLTS/PH/Hz		220/1/50	220/1/50	220/1/50	220/1/50	220/1/50
F.L.A.		9	9	7	15	15
TRANSFORMER (V.A.)		40	40	40	40	40
GAS PIPE SIZE in (mm)		1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)
CATEGORY I VENT SIZE in (mm)		3" (76.2)	4" (101.6)	4" (101.6)	5" (127)	5" (127)
FILTER SIZE in (mm)		14 x 25 x 1 (356 x 635 x 25.4)	14 x 25 x 1 (356 x 635 x 25.4)	16 x 25 x 1 (406 x 635 x 25.4)	20 x 25 x 1 (508 x 635 x 25.4)	20 x 25 x 1 (508 x 635 x 25.4)
SHIPPING WEIGHT LBS. (kg)		127 (56.3)	129 (58.5)	159 (72.1)	177 (80.2)	179 (81.2)

BLOWER PERFORMANCE

Model Number	NATURAL GAS	NTC6050FWA	NTC6075FWA	NTC6100GWA	NTC6125KWA	NTC6150KWA
BLOWER TYPE AND SIZE		10 x 8	10 x 8	10 x 10	11 x 10	11 x 12
MOTOR H.P. (TYPE) (kw)		1/3 (.25)	1/3 (.25)	1/3 (.25)	3/4 (.56)	3/4 (.56)
MOTOR SPEEDS		4	4	4	4	4

AIRFLOW DATA CFM (L/S)

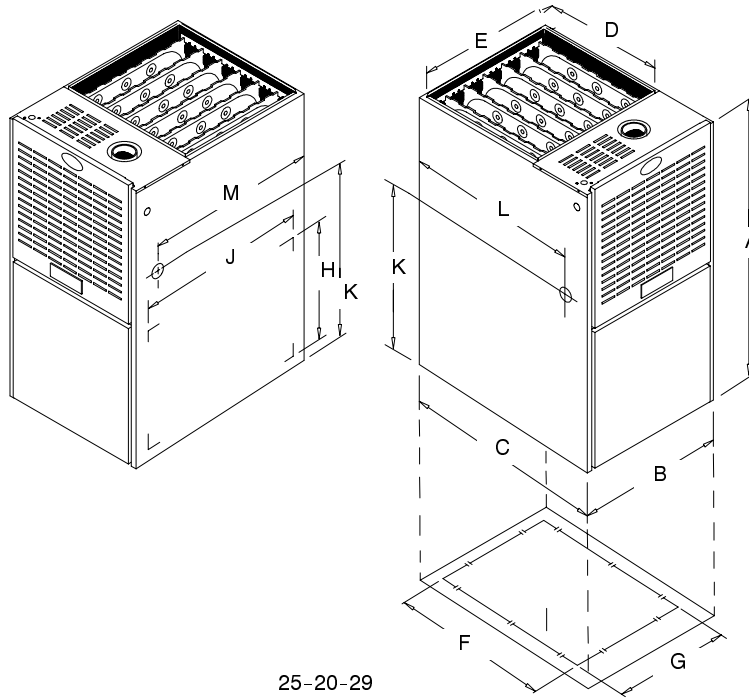
.10 ESP IN. W.C. (24.9 Pa)	LOW	696 (1183)	696 (1183)	1051 (1787)	1107 (1882)	1107 (1882)
	MEDIUM LOW	841 (1430)	841 (1430)	1148 (1952)	1278 (2173)	1278 (2173)
	MEDIUM HIGH	1056 (1795)	1056 (1795)	1337 (2273)	1528 (2598)	1528 (2598)
	HIGH	1286 (2186)	1286 (2186)	1616 (2747)	2017 (3429)	2017 (3429)
.20 ESP IN. W.C. (49.3 Pa)	LOW	677 (1151)	677 (1151)	1019 (1732)	1054 (1792)	1054 (1792)
	MEDIUM LOW	827 (1406)	827 (1406)	1106 (1880)	1244 (2115)	1244 (2115)
	MEDIUM HIGH	1026 (1744)	1026 (1744)	1296 (2203)	1487 (2528)	1487 (2528)
.30 ESP IN. W.C. (74.4 Pa)	LOW	651 (1107)	651 (1107)	1000 (1700)	1009 (1715)	1009 (1715)
	MEDIUM LOW	803 (1365)	803 (1365)	1073 (1824)	1212 (2060)	1212 (2060)
	MEDIUM HIGH	984 (1673)	984 (1673)	1266 (2152)	1458 (2479)	1458 (2479)
.40 ESP IN. W.C. (99.6 Pa)	LOW	622 (1057)	622 (1057)	966 (1642)	979 (1664)	979 (1664)
	MEDIUM LOW	778 (1323)	778 (1323)	1034 (1758)	1174 (1996)	1174 (1996)
	MEDIUM HIGH	960 (1632)	960 (1632)	1228 (2088)	1432 (2434)	1432 (2434)
	HIGH	1201 (2042)	1201 (2042)	1548 (2632)	1900 (3230)	1900 (3230)
.50 ESP IN. W.C. (124.5 Pa)	LOW	601 (1022)	601 (1022)	912 (1550)	958 (1629)	958 (1629)
	MEDIUM LOW	752 (1278)	752 (1278)	990 (1683)	1148 (1952)	1148 (1952)
	MEDIUM HIGH	930 (1581)	930 (1581)	1191 (2025)	1394 (2370)	1394 (2370)
.60 ESP IN. W.C. (149.4 Pa)	LOW	--	--	841 (1430)	931 (1538)	931 (1538)
	MEDIUM LOW	719 (1222)	719 (1222)	949 (1613)	1118 (1901)	1118 (1901)
	MEDIUM HIGH	896 (1523)	896 (1523)	1151 (1957)	1356 (2305)	1356 (2305)
	HIGH	1099 (1868)	1099 (1868)	1491 (2535)	1823 (3099)	1823 (3099)
.70 ESP IN. W.C. (174.3 Pa)	LOW	--	--	793 (1348)	903 (1535)	903 (1535)
	MEDIUM LOW	716 (1217)	716 (1217)	912 (1550)	1090 (1853)	1090 (1853)
	MEDIUM HIGH	856 (1455)	856 (1455)	1094 (1860)	1326 (2254)	1326 (2254)
	HIGH	1062 (1805)	1062 (1805)	1432 (2434)	1778 (3023)	1778 (3023)

1. Application of NTC6125KWA, & NTC6150KWA above 1650 CFM (L/S) requires two side returns or bottom return.

MODEL NUMBER IDENTIFICATION GUIDE

Model No	N	T	C	6	050	F	W	A
Product Family								MARKETING REV
PRODUCT GROUP								W = 220-1-50 Hz
U = Upflow	D = Downflow							NOM Air Flow (Tons)
T = Upflow / Horizontal	L = Lowboy							A = Heat Only G = 3.5
H = Horizontal	F = Floor Furnace							B = 1 H = 4
C = Downflow / Horizontal	M = Multiposition							C = 2 J = 4.5
FUEL								D = 2 K = 5
C = Natural Gas	O = Oil							E = 2.5 L = 5.5 - 7.0
E = Electric	L = L.P. Gas							F = 3 M = 7.5 - 10.0
N = Natural Gas California NOx	H = High Altitude Natural Gas							
SERIES								NOMINAL INPUT MBTUH
5 = 5000 7 = 7000								
6 = 6000 9 = 9000								

UNIT DIMENSIONS



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
050F & 075F	40 (1.02M)	15-1/2 (394)	28-1/2 (724)	18-1/2 (470)	14 (356)	23-1/8 (587)	12-5/8 (321)	12-1/4 (311)	22-1/2 (572)	28-1/4 (718)	26 (660)	23-7/8 (606)
100G	40 (1.02M)	19-1/8 (486)	28-1/2 (724)	18-1/2 (470)	17-5/8 (448)	23-1/8 (587)	14-3/4 (375)	14-1/2 (368)	22-1/2 (572)	28-1/4 (718)	26 (660)	23-7/8 (606)
125K & 150K	40 (1.02M)	22-3/4 (578)	28-1/2 (724)	18-1/2 (470)	21-1/4 (540)	23-1/8 (587)	18-3/4 (476)	14-1/2 (368)	22-1/2 (572)	28-1/4 (718)	26 (660)	23-7/8 (606)

ALL DIMENSIONS IN INCHES (mm)

ACCESSORIES

Furnace Model Number	Nat. To LP Kit	LP High Alt.	Twinning Kit	High Alt. Nat. Gas Kit	LP To Nat. Gas Kit	20x25 (520 x 635) Duct Stand-off with Filter	20x25 (520 x 635) Bottom Return Filter Kit
NTC6050FW NTC6075FW NTC6100GW	Included in furnace	*1160992	NAHA003WK	*1160993	NAHF002NG	NAHA001TK	NA
NTC6125KW NTC6150KW							NAHA002FF

* Service part number

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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