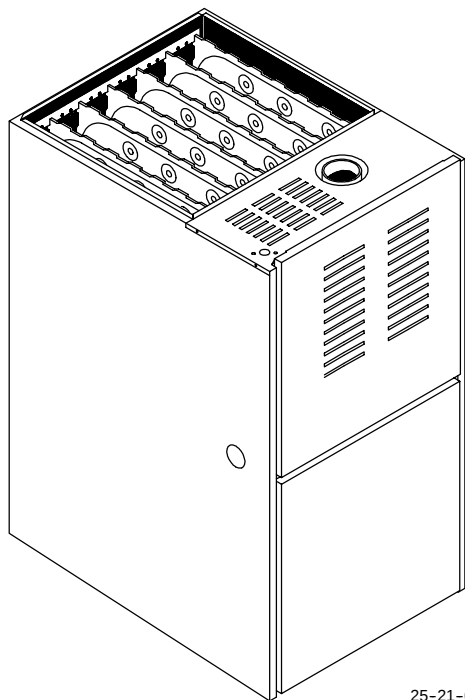


# NTC6 GAS FURNACE

# KeepRite®

## UPFLOW/HORIZONTAL 40"

### Quiet Comfort™ 80%



25-21-65

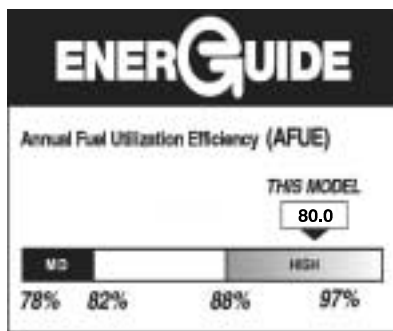
Representative photo only, some models may vary in appearance.

**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.



#### 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

- Prepainted cabinet & doors.
- 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.
- Twinning kit available to operate two furnaces in tandem.

## FURNACE SPECIFICATIONS UPFLOW HORIZONTAL

| Model Number            | NATURAL GAS | NTC6050FB                                                       | NTC6075FB                                                       | NTC6075HF                                                       | NTC6100GF                                                       | NTC6100KF                                                       | NTC6100KJ                                                       | NTC6125KJ                                                       | NTC6150KJ                                                       |
|-------------------------|-------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 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.)       |             | 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 | NTC6050FB | NTC6075FB | NTC6075HF | NTC6100GF | NTC6100KF | NTC6100KJ | NTC6125KJ | NTC6150KJ |
|----------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 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 |
|                  | HIGH        | 1268 | 1268 | 1810 | 1616 | 2231 | 2078 | 2132 | 2040 |
| .30 ESP IN. W.C. | LOW         | 651  | 651  | 1420 | 755  | 1244 | 1197 | 1249 | 1290 |
|                  | MEDIUM LOW  | 819  | 819  | -    | 1021 | 1499 | 1453 | 1486 | 1503 |
|                  | MEDIUM      | -    | -    | 1608 | -    | -    | -    | -    | -    |
|                  | MEDIUM HIGH | 1230 | 1230 | -    | 1280 | 1737 | 1740 | 1772 | 1761 |
|                  | HIGH        | 1324 | 1324 | 1752 | 1592 | 2171 | 2061 | 2079 | 2014 |
| .40 ESP IN. W.C. | LOW         | 636  | 636  | 1370 | 735  | 1212 | 1191 | 1219 | 1270 |
|                  | MEDIUM LOW  | 795  | 795  | -    | 989  | 1471 | 1441 | 1456 | 1480 |
|                  | MEDIUM      | -    | -    | 1540 | -    | -    | -    | -    | -    |
|                  | MEDIUM HIGH | 952  | 952  | -    | 1255 | 1683 | 1718 | 1736 | 1740 |
|                  | HIGH        | 1193 | 1193 | 1670 | 1546 | 2098 | 2020 | 2042 | 1975 |
| .50 ESP IN. W.C. | LOW         | 608  | 608  | 1318 | 704  | 1185 | 1167 | 1168 | 1243 |
|                  | MEDIUM LOW  | 765  | 765  | -    | 968  | 1417 | 1425 | 1427 | 1464 |
|                  | MEDIUM      | -    | -    | 1484 | -    | -    | -    | -    | -    |
|                  | MEDIUM HIGH | 914  | 914  | -    | 1218 | 1641 | 1707 | 1702 | 1710 |
|                  | HIGH        | 1133 | 1133 | 1599 | 1502 | 2012 | 2005 | 1991 | 1953 |
| .60 ESP IN. W.C. | LOW         | 564  | 564  | 1250 | 668  | 1178 | 1160 | 1178 | 1225 |
|                  | MEDIUM LOW  | 735  | 735  | -    | 941  | 1367 | 1390 | 1415 | 1430 |
|                  | MEDIUM      | -    | -    | 1400 | -    | -    | -    | -    | -    |
|                  | MEDIUM HIGH | 870  | 870  | -    | 1171 | 1574 | 1676 | 1672 | 1650 |
|                  | HIGH        | 1056 | 1056 | 1520 | 1425 | 1921 | 1953 | 1914 | 1885 |
| .70 ESP IN. W.C. | LOW         | 514  | 514  | 1182 | 646  | 1119 | 1130 | 1143 | 1195 |
|                  | MEDIUM LOW  | 685  | 685  | -    | 881  | 1304 | 1365 | 1358 | 1401 |
|                  | MEDIUM      | -    | -    | 1322 | -    | -    | -    | -    | -    |
|                  | MEDIUM HIGH | 818  | 818  | -    | 1100 | 1495 | 1654 | 1614 | 1602 |
|                  | HIGH        | 980  | 980  | 1425 | 1353 | 1826 | 1917 | 1838 | 1827 |

NOTE: Application of NTC6100KF, NTC6100KJ, NTC6125KJ, & NTC6150KJ above 1650 CFM requires two side returns or bottom return or use accessory stand-off filter kit for single side return.

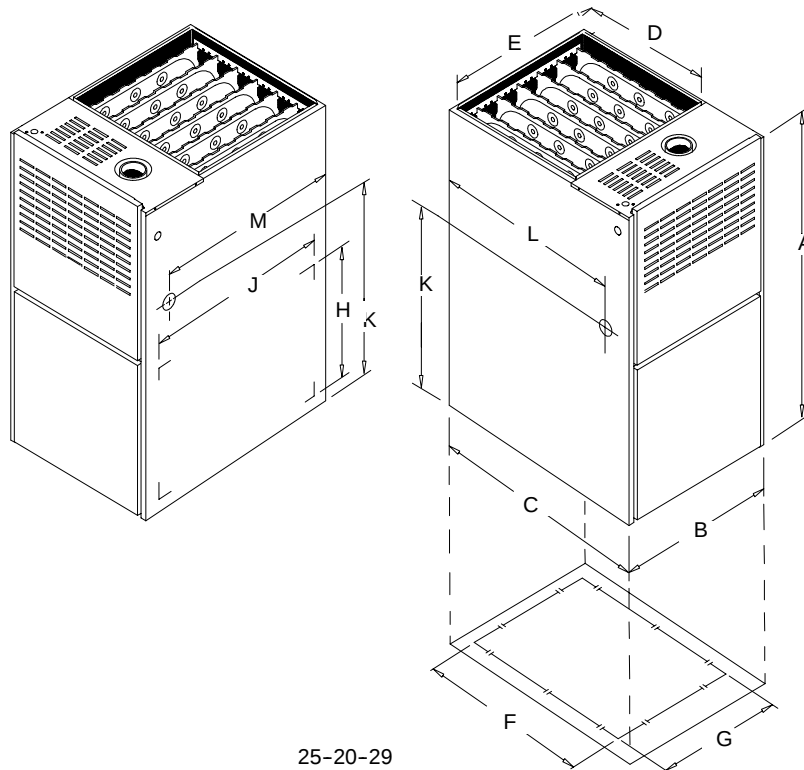
To achieve 2000 CFM with the stand-off filter kit you will still need a bottom return or 2 side filters.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## 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>G</b>                                                              |  |
| <b>Product Family</b>                |  |                               |          |          |          |            |  |          |          | <b>MARKETING REV.</b>                                                 |  |
|                                      |  |                               |          |          |          |            |  |          |          |                                                                       |  |
| <b>PRODUCT GROUP</b>                 |  |                               |          |          |          |            |  |          |          | <b>FURNACE WIDTH</b>                                                  |  |
| U = Upflow                           |  | D = Downflow                  |          |          |          |            |  |          |          | B = 15 <sup>1</sup> / <sub>2</sub> N = 26 <sup>3</sup> / <sub>8</sub> |  |
| T = Upflow / Horizontal              |  | L = Lowboy                    |          |          |          |            |  |          |          | F = 19 <sup>1</sup> / <sub>8</sub>                                    |  |
| H = Horizontal                       |  | F = Floor Furnace             |          |          |          |            |  |          |          | J = 22 <sup>3</sup> / <sub>4</sub>                                    |  |
| C = Downflow / Horizontal            |  | M = Multiposition             |          |          |          |            |  |          |          | <b>NOM Air Flow (Tons)</b>                                            |  |
| <b>FUEL</b>                          |  |                               |          |          |          |            |  |          |          | A = Heat Only      G = 3.5                                            |  |
| C = Natural Gas                      |  | O = Oil                       |          |          |          |            |  |          |          | B = 1      H = 4                                                      |  |
| E = Electric                         |  | L = L.P. Gas                  |          |          |          |            |  |          |          | C = 2      J = 4.5                                                    |  |
| N = Natural Gas California NOx       |  | H = High Altitude Natural Gas |          |          |          |            |  |          |          | D = 2      K = 5                                                      |  |
| <b>SERIES</b>                        |  |                               |          |          |          |            |  |          |          | E = 2.5      L = 5.5 - 7.0                                            |  |
| 3 = 3000      6 = 6000      8 = 8000 |  |                               |          |          |          |            |  |          |          | F = 3      M = 7.5 - 10.0                                             |  |
| 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 | $15\frac{1}{2}$ | $28\frac{1}{2}$ | $18\frac{1}{2}$ | 14              | $23\frac{1}{8}$ | $12\frac{5}{8}$ | $12\frac{1}{4}$ | $22\frac{1}{2}$ | $28\frac{1}{4}$ | 26 | $23\frac{1}{8}$ |
| 075HF, 100GF & 100KF | 40 | $19\frac{1}{8}$ | $28\frac{1}{2}$ | $18\frac{1}{2}$ | $17\frac{5}{8}$ | $23\frac{1}{8}$ | $14\frac{3}{4}$ | $14\frac{1}{2}$ | $22\frac{1}{2}$ | $28\frac{1}{4}$ | 26 | $23\frac{1}{8}$ |
| 100KJ, 125KJ & 150KJ | 40 | $22\frac{3}{4}$ | $28\frac{1}{2}$ | $18\frac{1}{2}$ | $21\frac{1}{4}$ | $23\frac{1}{8}$ | $18\frac{3}{4}$ | $14\frac{1}{2}$ | $22\frac{1}{2}$ | $28\frac{1}{4}$ | 26 | $23\frac{1}{8}$ |

ALL DIMENSIONS IN INCHES

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## ACCESSORIES

| Furnace Model Number                                                       | 20"x25" Bottom Return Filter Kit | 20"x25" 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<br>NTC6075FB<br>NTC6075HF<br>NTC6100GF<br>NTC6100KF<br>NTC6100KJ | NA                               | NAHA001TK                          | NAHL002LP<br>*1160991 | NAHF002NG<br>*1009510 | *1160993               | *1160992     | NAHA003WK    |
| NTC6125KJ<br>NTC6150KJ                                                     | NAHA002FF                        |                                    |                       |                       |                        |              |              |

\* Service part number

NOTE: Application of NTC6100KF, NTC6100KJ, NTC6125KJ, & NTC6150KJ above 1650 CFM requires two side returns or bottom return or use NAHA001TK 20" x 25" stand-off filter kit for single side return.

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

## Masonry Chimney Draft Hood Chart

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

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