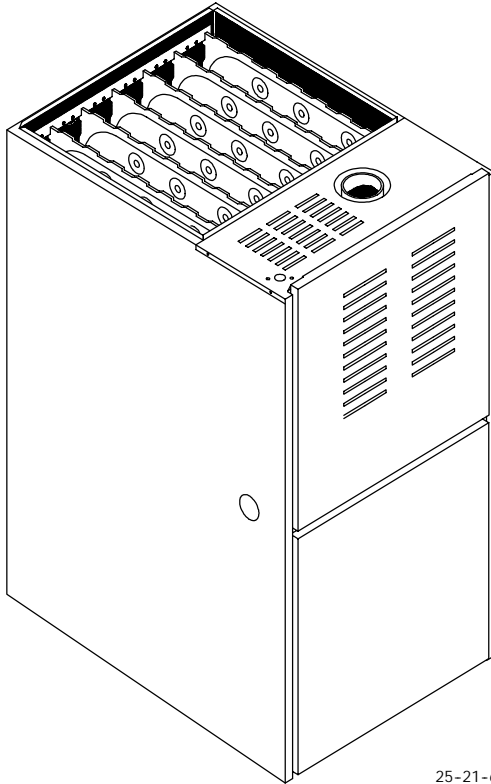


# NTP6 GAS FURNACE



## 2-STAGE UPFLOW/HORIZONTAL

### QuietComfort II™ 80



25-21-65

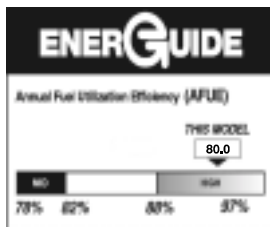
Representative photo only, some models may vary in appearance.

**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.
- 2-Stage heating operation.
- Enclosed burners for quiet operation.
- Hot surface pilot ignition device.
- 2-Speed induced draft combustion blower.
- 2-Stage fan operation.

#### HEAT EXCHANGER

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

#### VENTING

- Category I venting.

#### BURNER ASSEMBLY

- In-shot monoport, low NOx burners.

#### 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 & door.
- Fully insulated cabinet.

#### SAFETY

- Controls monitor system for safety.
- Diagnostic fault codes provide fast accurate service.
- 2-Stage 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.
- California NOx approved.
- Single or two-stage thermostat compatibility.

## FURNACE SPECIFICATIONS UPFLOW HORIZONTAL

Model Number	NATURAL GAS	NTP6050FB	NTP6075GF	NTP6100GF	NTP6100KJ	NTP6125KJ
INPUT (btuh)	Hi Fire Lo Fire	50,000 35,000	75,000 52,500	100,000 70,000	100,000 70,000	125,000 87,500
HTG. CAP. (btuh)	Hi Fire Lo Fire	40,000 28,000	59,000 42,000	79,000 56,000	79,000 56,000	99,000 72,000
AFUE % (ICS)		80.0%	80.0%	80.0%	80.0%	80.0%
CSE		73.0%	73.0%	73.0%	73.0%	73.0%
NOx (Ng/l)		<40	<40	<40	<40	<40
TEMP. RISE (deg. F)	Hi Fire Lo Fire	35 - 65 35 - 65	25 - 55 25 - 55	45 - 75 45 - 75	35 - 65 35 - 65	40 - 70 40 - 70
VOLTS/PH/Hz		115/60/1	115/60/1	115/60/1	115/60/1	115/60/1
F.L.A.		5.3	5.3	9.2	12	12
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"	4"	5"
COOLING CAP.		3.0 TON	3.5 TON	3.5 TON	5.0 TON	5.0 TON
FILTER SIZE (IN.) (1 required)		14 x 25 x 1	14 x 25 x 1	16 x 25 x 1	16 x 25 x 1 (2)	16 x 25 x 1 (2)
SHIPPING WEIGHT (LBS.)		127	129	159	159	177
DIMENSIONS (in.) HEIGHT		40	40	40	40	40
WIDTH X DEPTH		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>	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	NTP6050FB	NTP6075GF	NTP6100GF	NTP6100KJ	NTP6125KJ
BLOWER TYPE AND SIZE		10 x 8	10 x 10	10 x 10	11 x 10	11 x 10
MOTOR H.P. (TYPE)		1/3	1/3	1/3	3/4	3/4
MOTOR SPEEDS		4	4	4	4	4

## AIRFLOW DATA

ESP IN. W.C.	LOW	MEDIUM LOW	MEDIUM	MEDIUM HIGH	HIGH	NTP6050FB	NTP6075GF	NTP6100GF	NTP6100KJ	NTP6125KJ
.10	675	859	-	1015	1306	675	815	815	1210	1264
	859	1043	-	1324	1649	815	1043	1043	1441	1520
	-	-	-	-	-	-	-	-	-	-
	1015	1324	1306	1649	2104	1015	1324	1324	1773	1841
	1306	1649	1649	2104	2104	1306	1649	1649	2104	2161
.20	662	846	-	999	1268	662	783	783	1201	1251
	846	1030	-	1302	1616	783	1030	1030	1430	1506
	-	-	-	-	-	-	-	-	-	-
	999	1302	1302	1616	2078	999	1302	1302	1740	1803
	1268	1616	1616	2078	2078	1268	1616	1616	2078	2132
.30	651	819	-	1230	1324	651	755	755	1197	1249
	819	1021	-	1280	1592	755	1021	1021	1453	1486
	-	-	-	-	-	-	-	-	-	-
	1230	1280	1280	1592	2061	1230	1280	1280	1740	1772
	1324	1592	1592	2061	2061	1324	1592	1592	2061	2079
.40	636	795	-	952	1193	636	735	735	1191	1219
	795	989	-	1255	1546	735	989	989	1441	1456
	-	-	-	-	-	-	-	-	-	-
	952	1255	1255	1546	2020	952	1255	1255	1718	1736
	1193	1546	1546	2020	2020	1193	1546	1546	2020	2042
.50	608	765	-	914	1133	608	704	704	1167	1168
	765	968	-	1218	1502	704	968	968	1425	1427
	-	-	-	-	-	-	-	-	-	-
	914	1218	1218	1502	2005	914	1218	1218	1707	1702
	1133	1502	1502	2005	2005	1133	1502	1502	2005	1991
.60	564	735	-	870	1056	564	668	668	1160	1178
	735	941	-	1171	1425	668	941	941	1390	1415
	-	-	-	-	-	-	-	-	-	-
	870	1171	1171	1425	1953	870	1171	1171	1676	1672
	1056	1425	1425	1953	1953	1056	1425	1425	1953	1914
.70	514	685	-	818	980	514	646	646	1130	1143
	685	881	-	1100	1353	646	881	881	1365	1358
	-	-	-	-	-	-	-	-	-	-
	818	1100	1100	1353	1917	818	1100	1100	1654	1614
	980	1353	1353	1917	1917	980	1353	1353	1917	1838

Application of NTP6100KJ & NTP6125KJ above 1650 CFM requires two side returns, bottom return or use accessory stand-off filter kit for single side return.

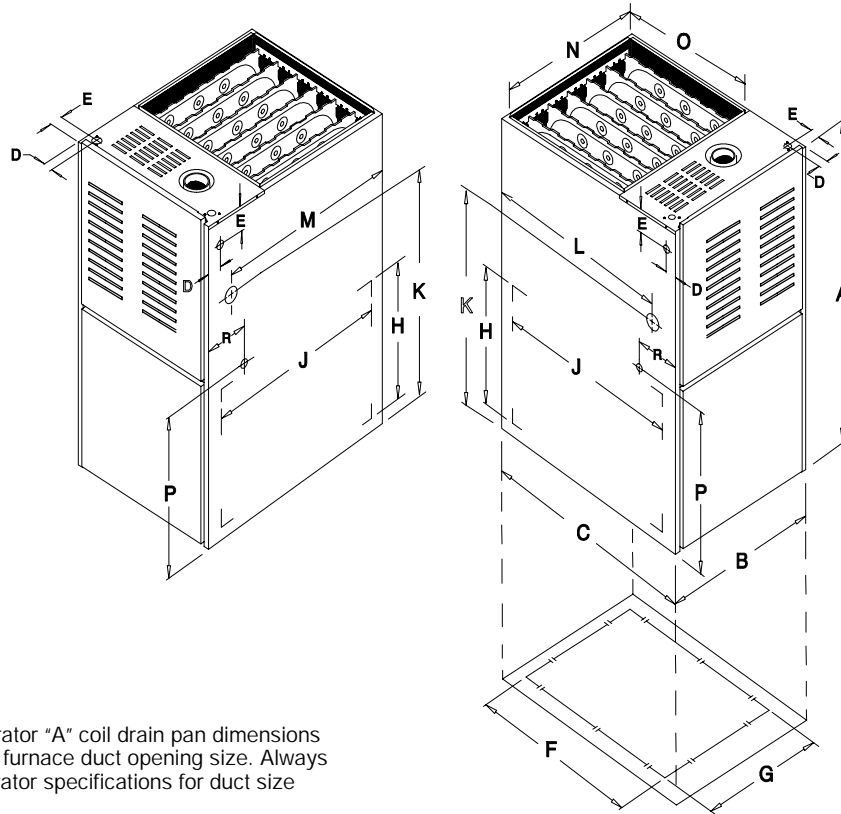
To achieve 2000 CFM with the stand-off filter kit you will still need a bottom return or 2 side filters.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## MODEL NUMBER IDENTIFICATION GUIDE

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

## UNIT DIMENSIONS



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

**NOTE:** Evaporator "A" coil drain pan dimensions may vary from furnace duct opening size. Always consult evaporator specifications for duct size requirements.

25-22-28

Unit Capacity	Cabinet			Electrical Connections						Supply Air		Return Air				Gas Connections			
				Top		Left/Right Side		Low Volt				Bottom		Side		Right Side		Left Side	
	A	B	C	D	E	D	E	R	P	O	N	F	G	J	H	M	K	L	K
050FB	40	15 <sup>1</sup> / <sub>2</sub>	28 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub>	17 <sup>5</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>2</sub>	14	23 <sup>1</sup> / <sub>8</sub>	12 <sup>5</sup> / <sub>8</sub>	22 <sup>1</sup> / <sub>2</sub>	12 <sup>1</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>4</sub>	26	28 <sup>1</sup> / <sub>4</sub>
075GF, 100GF	40	19 <sup>1</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub>	17 <sup>5</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>2</sub>	17 <sup>5</sup> / <sub>8</sub>	23 <sup>1</sup> / <sub>8</sub>	14 <sup>3</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	23 <sup>1</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>4</sub>	26	28 <sup>1</sup> / <sub>4</sub>
100KJ, 125KJ	40	22 <sup>3</sup> / <sub>4</sub>	28 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>5</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub>	17 <sup>5</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>2</sub>	21 <sup>1</sup> / <sub>4</sub>	23 <sup>1</sup> / <sub>8</sub>	18 <sup>3</sup> / <sub>4</sub>	22 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>2</sub>	23 <sup>1</sup> / <sub>8</sub>	28 <sup>1</sup> / <sub>4</sub>	26	28 <sup>1</sup> / <sub>4</sub>

ALL DIMENSIONS IN INCHES

**ACCESSORIES**

Furnace Model Number	20"x25" Bottom Return Filter Kit	20"x25" Duct Stand-off with Filter	Nat. To LP Kit LP High Altitude	LP To Nat. Gas Kit
NTP6050FF NTP6075GF NTP6100GF	N/A	NAHA001TK	*1011789	*1011787
NTP6100KJ NTP6125KJ	NAHA002FF			

\* Fast part number

Application of NTP6100KJ & NTP6125KJ above 1650 CFM requires two side returns, bottom return or NAHA001TK 20" x 25" duct stand-off filter kit for single side return. Bottom return applications with the NTP6100KJ & NTP6125KJ require the 20" x 25" bottom return filter kit, NAHA002FF. To achieve 2000 CFM with the stand-off filter kit you will still need a bottom return or 2 side filters.

N/A Not Applicable