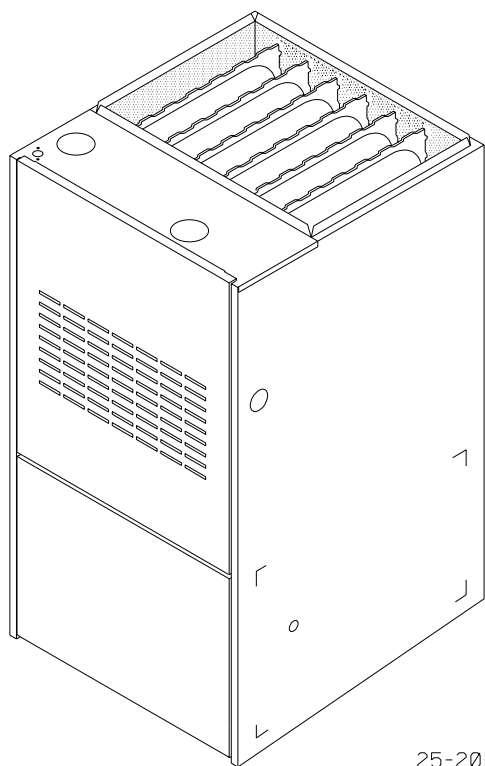


# Technical Support Manual



25-20-66

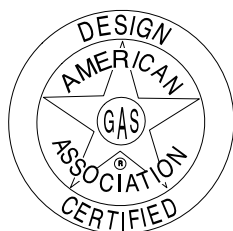
## Models

NTGS050FFA1/GNP050F12A1  
NTGS075GFA1/GNP075F14A1  
NTGS100HJA1/GNP100J16A1  
NTGS125KNA1/GNP125N20A1

Manufactured by:

**International Comfort Products Corporation (USA)**  
Lewisburg, TN USA 37091

# Condensing Gas Furnaces



Design Certified  
by A.G.A.



**Save This Manual For Future Reference**

| Manufacturers Number (Mfr No --See Rating Plate) |                               |                |                | NTGS050FF/GNP050F12A                                                                  |                                      |                                                                                    |                                         |  |  |  |  |  |
|--------------------------------------------------|-------------------------------|----------------|----------------|---------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------|--|--|--|--|--|
| Specifications                                   |                               |                |                | Circulation Air Blower Data                                                           |                                      |                                                                                    |                                         |  |  |  |  |  |
| GENERAL                                          | Gas Type                      | Nat            | LP             | Type & Size<br>Motor Amps/RPM<br>Motor Type/ H.P<br>Cap. MFD/Volts                    | 10-8<br>4.6/1050<br>PSC/1/3<br>5/370 | Filt Type<br>Filt Size (")<br>Min. Cool<br>Cap. (Tons)<br>Max. Cool<br>Cap. (Tons) | Washable<br>16x25x1<br><br>1.5<br><br>3 |  |  |  |  |  |
|                                                  | Input (Btuh) Std/Alt.         | 50,000         | 50,000         |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Output (Btuh) Std/Alt.        | 45,500         | 45,500         |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Temp. Rise (°F)               | 40-70          | 40-70          |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Electrical (Volts/Hz/FLA)     | 115/60/5.3     | 115/60/5.3     |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
| GAS & IGNITION                                   | Transformer Size (VA)         | 40             | 40             | <b>Air Delivery in Cubic Feet per Minute (C.F.M.)</b><br>(Furnace Rated @0.5" WC ESP) |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | T'stat Heat Anticipator       | .30            | .30            |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Gas Valve                     | HW SV9501      | HW SV9501      |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Regulation Type               | SNAP           | SNAP           |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Manifold Press. (" WC)        | 3.5            | 10.0           |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
| COMBUSTION                                       | Std. Main Orifices (No/Size)  | 2/#42          | 2/#54          | <b>Air Delivery in Liters Per Second (L/S)</b><br>(Furnace Rated @0.5" WC ESP)        |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Pilot Orifice Size            | .018           | .011           |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Ignition Type/Series          | HW HSP         | HW HSP         |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Lock-Out Time                 | ---            | ---            |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Flue Outlet Size (Inches)     | 2              | 2              |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
| LIMITS & CONTROLS                                | Std. Outlet Temp (°F)         | <140           | <140           | <b>External Static Pressure</b><br>Inches of W.C.                                     |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Std. Pressures (Inch's of WC) | @Blower        |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | 5' No Elbows                  | -2.26          |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | 40' +5-90° DWV Elbows         | -2.04          |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Rollout Switch                | 350            | 350            |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
| LIMITS & CONTROLS                                | Limit Control Setting (°F)    | 220            | 220            | <b>External Static Pressure</b><br>Inches of W.C.                                     |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Auxiliary Limit (°F)          | 130            | 130            |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Fan Control (Type)            | HW ST9120      | HW ST9120      |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Fan Control On                | 30/60          | 30/60          |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | (Timed--Secs) Off             | 60,100,140,180 | 60,100,140,180 |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Std. Pressure Sw. (Part No)   | 1012156        | 1012156        |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Press Differential (Close)    | 1.65           | 1.65           |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Press Differential (Open)     | 1.36           | 1.36           |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | High Alt. Press. Sw (Part No) | 1012180        | 1012180        |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Press Differential (Close)    | 1.40           | 1.40           |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  | Press Differential (Open)     | 1.18           | 1.18           |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  |                               |                |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  |                               |                |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  |                               |                |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  |                               |                |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |
|                                                  |                               |                |                |                                                                                       |                                      |                                                                                    |                                         |  |  |  |  |  |

| Manufacturers Number (Mfr No -See Rating Plate) |                               |                |                | NTGS075GF/GNP075F14A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|-------------------------------------------------|-------------------------------|----------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------|-------|------|-------|-------|------|-----|-----|-----|------|------|-----|-----|------|------|------|-----|-----|------|------|------|-----|-----|------|------|------|-----|-----|-----|------|------|-----|-----|-----|------|------|-----|-----|-----|------|------|
| Specifications                                  |                               |                |                | Circulation Air Blower Data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| GENERAL                                         | Gas Type                      | Nat            | LP             | Type & Size<br>Motor Amps/RPM<br>Motor Type/ H.P.<br>Cap. MFD/Volts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10-8<br>6.8/1050<br>PSC/1/2<br>7.5/370 | Filt Type<br>Filt Size (")<br>Min. Cool<br>Cap. (Tons)<br>Max. Cool<br>Cap. (Tons) | Washable<br>16x25x1<br><br>2<br><br>3.5 |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Input (Btuh) Std/Alt.         | 75,000         | 75,000         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Output (Btuh) Std/Alt.        | 67,500         | 67,500         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Temp. Rise (°F)               | 40-70          | 40-70          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Electrical (Volts/Hz/FLA)     | 115/60/7.5     | 115/60/7.5     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Transformer Size (VA)         | 40             | 40             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | T'stat Heat Anticipator       | .30            | .30            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| GAS & IGNITION                                  | Gas Valve                     | HW SV9501      | HW SV9501      | <b>Air Delivery in Cubic Feet per Minute (C.F.M.)</b><br>(Furnace Rated @0.5" WC ESP) <table><tr><th>TAP</th><th>LOW</th><th>MED L</th><th>MED H</th><th>HIGH</th></tr><tr><td>.10</td><td>778</td><td>984</td><td>1263</td><td>1576</td></tr><tr><td>.20</td><td>786</td><td>1003</td><td>1249</td><td>1532</td></tr><tr><td>.30</td><td>790</td><td>1003</td><td>1244</td><td>1489</td></tr><tr><td>.40</td><td>788</td><td>1001</td><td>1215</td><td>1432</td></tr><tr><td>.50</td><td>781</td><td>982</td><td>1186</td><td>1371</td></tr><tr><td>.60</td><td>765</td><td>962</td><td>1146</td><td>1308</td></tr><tr><td>.70</td><td>743</td><td>923</td><td>1094</td><td>1229</td></tr></table> |                                        |                                                                                    |                                         | TAP   | LOW  | MED L | MED H | HIGH | .10 | 778 | 984 | 1263 | 1576 | .20 | 786 | 1003 | 1249 | 1532 | .30 | 790 | 1003 | 1244 | 1489 | .40 | 788 | 1001 | 1215 | 1432 | .50 | 781 | 982 | 1186 | 1371 | .60 | 765 | 962 | 1146 | 1308 | .70 | 743 | 923 | 1094 | 1229 |
|                                                 | TAP                           | LOW            | MED L          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | MED H | HIGH |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | .10                           | 778            | 984            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | 1263  | 1576 |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | .20                           | 786            | 1003           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | 1249  | 1532 |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| .30                                             | 790                           | 1003           | 1244           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | 1489  |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| .40                                             | 788                           | 1001           | 1215           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | 1432  |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| .50                                             | 781                           | 982            | 1186           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | 1371  |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| .60                                             | 765                           | 962            | 1146           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | 1308  |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| .70                                             | 743                           | 923            | 1094           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         | 1229  |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Regulation Type                                 | SNAP                          | SNAP           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Manifold Press. (" WC)                          | 3.5                           | 10.0           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Std. Main Orifices (No/Size)                    | 3/#42                         | 3/#54          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Pilot Orifice Size                              | .018                          | .011           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Ignition Type/Series                            | HW HSP                        | HW HSP         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Lock-Out Time                                   | ---                           | ---            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| COMBUSTION                                      | Flue Outlet Size (Inches)     | 2              | 2              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Std. Outlet Temp (°F)         | <140           | <140           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Std. Pressures (Inch's of WC) | @Blower        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | 5' No Elbows                  | -2.04          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | 40' +5-90° DWV Elbows         | -1.82          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| LIMITS & CONTROLS                               | Rollout Switch(°F)            | 300            | 300            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Limit Control Setting (°F)    | 190            | 190            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Auxiliary Limit (°F)          | 130            | 130            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Fan Control (Type)            | HW ST9120      | HW ST9120      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Fan Control On                | 60             | 60             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | (Timed-Secs) Off              | 60,100,140,180 | 60,100,140,180 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Std. Pressure Sw. (Part No)   | 1012156        | 1012156        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Press Differential (Close)    | 1.65           | 1.65           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | Press Differential (Open)     | 1.36           | 1.36           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
|                                                 | High Alt. Press. Sw (Part No) | 1012180        | 1012180        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Press Differential (Close)                      | 1.40                          | 1.40           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |
| Press Differential (Open)                       | 1.18                          | 1.18           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                                                                    |                                         |       |      |       |       |      |     |     |     |      |      |     |     |      |      |      |     |     |      |      |      |     |     |      |      |      |     |     |     |      |      |     |     |     |      |      |     |     |     |      |      |

| Manufacturers Number (Mfr No -See Rating Plate) |                               |                                    |                                    | NTGS100HJ/GNP100J16A        |          |               |          |
|-------------------------------------------------|-------------------------------|------------------------------------|------------------------------------|-----------------------------|----------|---------------|----------|
| Specifications                                  |                               |                                    |                                    | Circulation Air Blower Data |          |               |          |
| GENERAL                                         | Gas Type                      | Nat                                | LP                                 | Type & Size                 | 10-10    | Filt Type     | Washable |
|                                                 | Input (Btuh) Std/Alt.         | 100,000                            | 100,000                            | Motor Amps/RPM              | 8.5/1050 | Filt Size (") | 16x25x1  |
|                                                 | Output (Btuh) Std/Alt.        | 90,000                             | 90,000                             | Motor Type/ H.P             | PSC/1/2  | Min. Cool     |          |
| GAS & IGNITION                                  | Temp. Rise (°F)               | 40-70                              | 40-70                              | Cap. MFD/Volts              | 10/370   | Cap. (Tons)   | 2        |
|                                                 | Electrical (Volts/Hz/FLA)     | 115/60/9.2                         | 115/60/9.2                         |                             |          | Max. Cool     | 4        |
|                                                 | Transformer Size (VA)         | 40                                 | 40                                 |                             |          | Cap. (Tons)   |          |
| COMBUSTION                                      | T'stat Heat Anticipator       | .30                                | .30                                |                             |          |               |          |
|                                                 | Gas Valve                     | HW SV9501                          | HW SV9501                          |                             |          |               |          |
|                                                 | Regulation Type               | SNAP                               | SNAP                               |                             |          |               |          |
| LIMITS & CONTROLS                               | Manifold Press. (" WC)        | 3.5                                | 10.0                               |                             |          |               |          |
|                                                 | Std. Main Orifices (No/Size)  | 4/#42                              | 4/#54                              |                             |          |               |          |
|                                                 | Pilot Orifice Size            | .018                               | .011                               |                             |          |               |          |
| GAS & IGNITION                                  | Ignition Type/Series          | HW HSP                             | HW HSP                             |                             |          |               |          |
|                                                 | Lock-Out Time                 | ---                                | ---                                |                             |          |               |          |
|                                                 | Flue Outlet Size (Inches)     | 2,2 <sup>1</sup> / <sub>2</sub> ,3 | 2,2 <sup>1</sup> / <sub>2</sub> ,3 |                             |          |               |          |
| COMBUSTION                                      | Std. Outlet Temp (°F)         | <140                               | <140                               |                             |          |               |          |
|                                                 | Std. Pressures (Inch's of WC) | @Blower                            |                                    |                             |          |               |          |
|                                                 | 5' No Elbows                  | -2.12                              |                                    |                             |          |               |          |
| LIMITS & CONTROLS                               | 40' +5-90° DWV Elbows         | -2.10                              |                                    |                             |          |               |          |
|                                                 | Rollout Switch                | 350                                | 350                                |                             |          |               |          |
|                                                 | Limit Control Setting (°F)    | 180                                | 180                                |                             |          |               |          |
| GAS & IGNITION                                  | Auxiliary Limit (°F)          | 130                                | 130                                |                             |          |               |          |
|                                                 | Fan Control (Type)            | HW ST9120                          | HW ST9120                          |                             |          |               |          |
|                                                 | Fan Control (Timed-Secs)      | 30/60                              | 30/60                              |                             |          |               |          |
| LIMITS & CONTROLS                               | On                            | 60,100,140,180                     | 60,100,140,180                     |                             |          |               |          |
|                                                 | Off                           |                                    |                                    |                             |          |               |          |
|                                                 | Std. Pressure Sw. (Part No)   | 1012156                            | 1012156                            |                             |          |               |          |
| GAS & IGNITION                                  | Press Differential (Close)    | 1.65                               | 1.65                               |                             |          |               |          |
|                                                 | Press Differential (Open)     | 1.36                               | 1.36                               |                             |          |               |          |
|                                                 | High Alt. Press. Sw (Part No) | 1012180                            | 1012180                            |                             |          |               |          |
| LIMITS & CONTROLS                               | Press Differential (Close)    | 1.40                               | 1.40                               |                             |          |               |          |
|                                                 | Press Differential (Open)     | 1.18                               | 1.18                               |                             |          |               |          |
|                                                 |                               |                                    |                                    |                             |          |               |          |

## Air Delivery in Cubic Feet per Minute (C.F.M.)

(Furnace Rated @0.5" WC ESP)

| External Static Pressure<br>Inches of W.C. | TAP | LOW  | MED L | MED H | HIGH |
|--------------------------------------------|-----|------|-------|-------|------|
| .10                                        | 954 | 1312 | 1698  | 1925  |      |
| .20                                        | 950 | 1292 | 1645  | 1853  |      |
| .30                                        | 946 | 1265 | 1596  | 1780  |      |
| .40                                        | 915 | 1231 | 1530  | 1708  |      |
| .50                                        | 878 | 1175 | 1455  | 1638  |      |
| .60                                        | 830 | 1118 | 1362  | 1546  |      |
| .70                                        | 778 | 1020 | 1241  | 1435  |      |

## Air Delivery in Liters Per Second (L/S)

(Furnace Rated @0.5" WC ESP)

| External Static Pressure<br>Inches of W.C. | TAP | LOW | MED L | MED H | HIGH |
|--------------------------------------------|-----|-----|-------|-------|------|
| .10                                        | 450 | 619 | 801   | 908   |      |
| .20                                        | 448 | 610 | 776   | 874   |      |
| .30                                        | 446 | 597 | 753   | 840   |      |
| .40                                        | 432 | 581 | 722   | 806   |      |
| .50                                        | 414 | 555 | 687   | 773   |      |
| .60                                        | 392 | 528 | 643   | 730   |      |
| .70                                        | 367 | 481 | 586   | 677   |      |

| Manufacturers Number (Mfr No -See Rating Plate) |                               |                |                | NTGS125KN/GNP125N20A        |           |               |          |
|-------------------------------------------------|-------------------------------|----------------|----------------|-----------------------------|-----------|---------------|----------|
| Specifications                                  |                               |                |                | Circulation Air Blower Data |           |               |          |
| GENERAL                                         | Gas Type                      | Nat            | LP             | Type & Size                 | 11.8-10.6 | Filt Type     | Washable |
|                                                 | Input (Btuh) Std/Alt.         | 125,000        | 125,000        | Motor Amps/RPM              | 9.8/900   | Filt Size (") | (2)16x25 |
|                                                 | Output (Btuh) Std/Alt.        | 113,125        | 113,125        | Motor Type/ H.P.            | PSC/3/4   | Min. Cool     |          |
| GAS & IGNITION                                  | Temp. Rise (°F)               | 45-75          | 45-75          | Cap. MFD/Volts              | 10/370    | Cap. (Tons)   | 3.5      |
|                                                 | Electrical (Volts/Hz/FLA)     | 115/60/10.5    | 115/60/12.0    |                             |           | Max. Cool     | 5        |
|                                                 | Transformer Size (VA)         | 40             | 40             |                             |           | Cap. (Tons)   |          |
| COMBUSTION                                      | T'stat Heat Anticipator       | .30            | .30            |                             |           |               |          |
|                                                 | Gas Valve                     | HW SV9501      | HW SV9501      |                             |           |               |          |
|                                                 | Regulation Type               | SNAP           | SNAP           |                             |           |               |          |
| LIMITS & CONTROLS                               | Manifold Press. (" WC)        | 3.5            | 10.0           |                             |           |               |          |
|                                                 | Std. Main Orifices (No/Size)  | 5/#42          | 5/#54          |                             |           |               |          |
|                                                 | Pilot Orifice Size            | .018           | .011           |                             |           |               |          |
| GAS & IGNITION                                  | Ignition Type/Series          | HSP            | HSP            |                             |           |               |          |
|                                                 | Lock-Out Time                 | ---            | ---            |                             |           |               |          |
|                                                 | Flue Outlet Size (Inches)     | 3              | 3              |                             |           |               |          |
| COMBUSTION                                      | Std. Outlet Temp (°F)         | <140           | <140           |                             |           |               |          |
|                                                 | Std. Pressures (Inch's of WC) | @Blower        |                |                             |           |               |          |
|                                                 | 5' No Elbows                  | -2.24          |                |                             |           |               |          |
| LIMITS & CONTROLS                               | 40' +5-90° DWV Elbows         | -2.00          |                |                             |           |               |          |
|                                                 | Rollout Switch                | 350            | 350            |                             |           |               |          |
|                                                 | Limit Control Setting (°F)    | 190            | 190            |                             |           |               |          |
| GAS & IGNITION                                  | Auxiliary Limit (°F)          | 130            | 130            |                             |           |               |          |
|                                                 | Fan Control (Type)            | HW ST9120      | HW ST9120      |                             |           |               |          |
|                                                 | Fan Control (Timed-Secs)      | 30/60          | 30/60          |                             |           |               |          |
| LIMITS & CONTROLS                               | On                            | 60,100,140,180 | 60,100,140,180 |                             |           |               |          |
|                                                 | Off                           |                |                |                             |           |               |          |
|                                                 | Std. Pressure Sw. (Part No)   | 1012156        | 1012156        |                             |           |               |          |
| GAS & IGNITION                                  | Press Differential (Close)    | 1.65           | 1.65           |                             |           |               |          |
|                                                 | Press Differential (Open)     | 1.36           | 1.36           |                             |           |               |          |
|                                                 | High Alt. Press. Sw (Part No) | 1012180        | 1012180        |                             |           |               |          |
| LIMITS & CONTROLS                               | Press Differential (Close)    | 1.40           | 1.40           |                             |           |               |          |
|                                                 | Press Differential (Open)     | 1.18           | 1.18           |                             |           |               |          |
|                                                 |                               |                |                |                             |           |               |          |

## Air Delivery in Cubic Feet per Minute (C.F.M.)

(Furnace Rated @0.5" WC ESP)

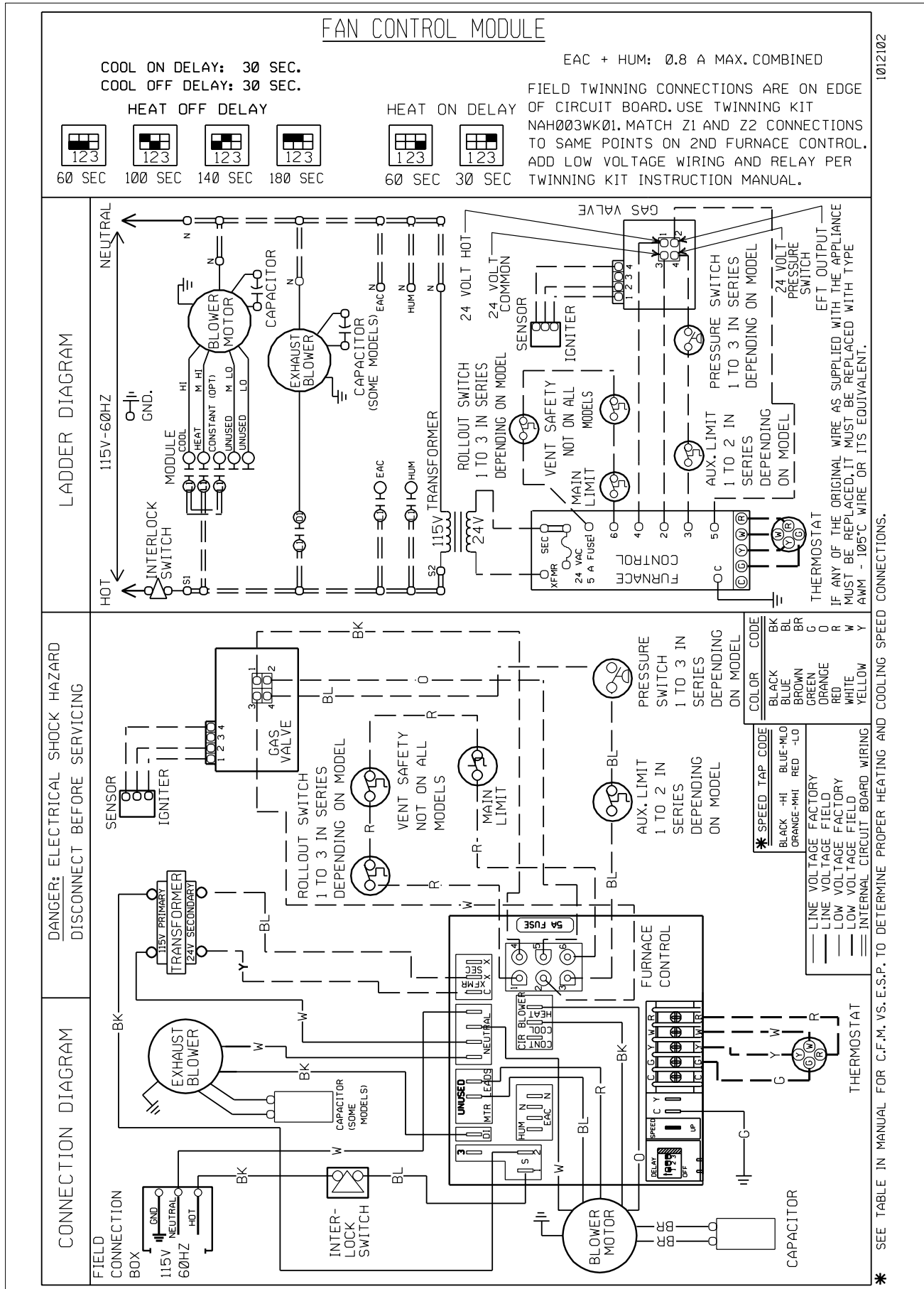
| External Static Pressure<br>Inches of W.C. | TAP  | LOW  | MED L | MED H | HIGH |
|--------------------------------------------|------|------|-------|-------|------|
| .10                                        | 1463 | 1650 | 1879  | 2214  |      |
| .20                                        | 1429 | 1635 | 1859  | 2154  |      |
| .30                                        | 1417 | 1614 | 1838  | 2152  |      |
| .40                                        | 1389 | 1579 | 1806  | 2106  |      |
| .50                                        | 1364 | 1556 | 1773  | 2049  |      |
| .60                                        | 1339 | 1513 | 1725  | 1981  |      |
| .70                                        | 1299 | 1470 | 1668  | 1903  |      |

## Air Delivery in Liters Per Second (L/S)

(Furnace Rated @0.5" WC ESP)

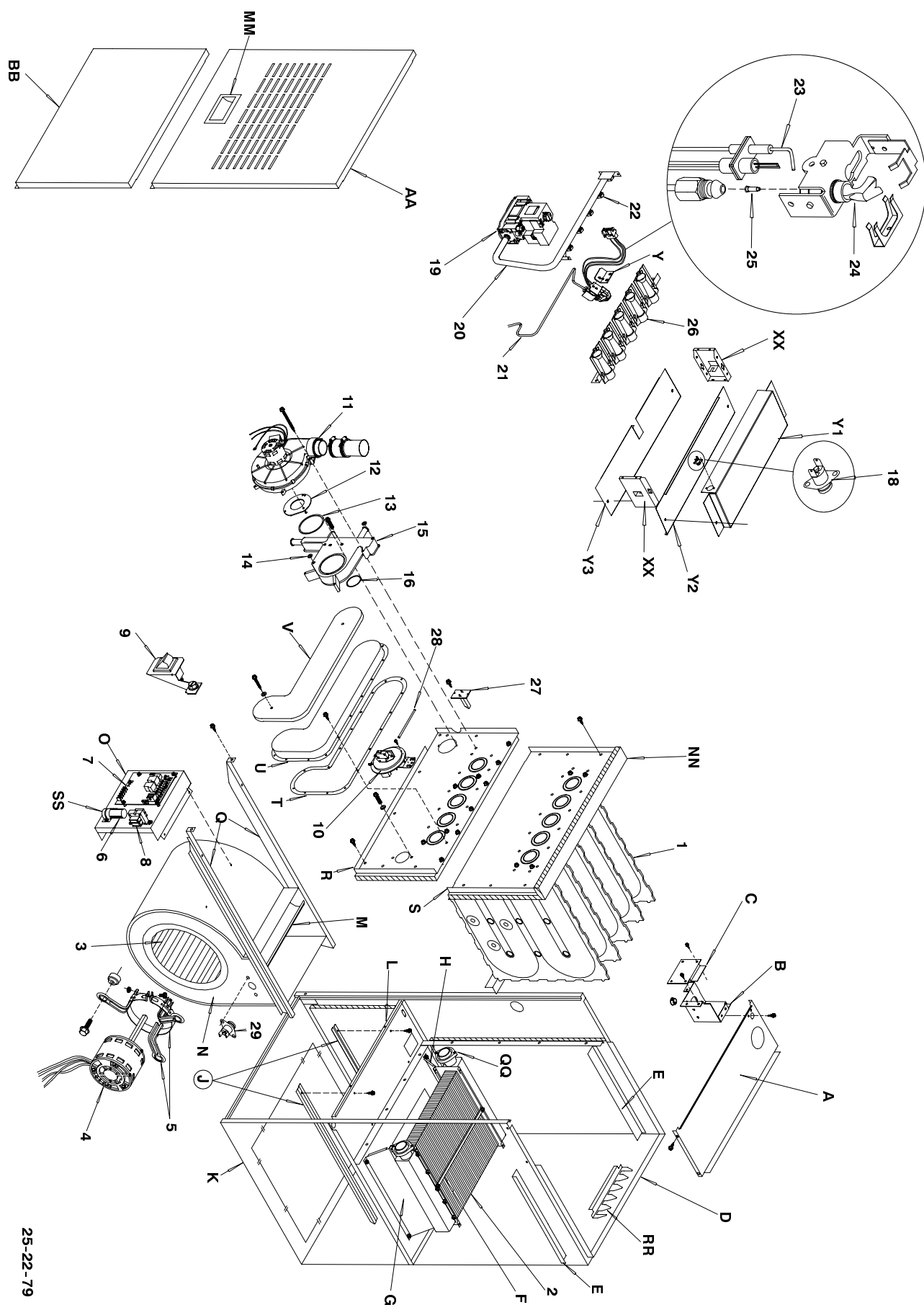
| External Static Pressure<br>Inches of W.C. | TAP | LOW | MED L | MED H | HIGH |
|--------------------------------------------|-----|-----|-------|-------|------|
| .10                                        | 690 | 779 | 887   | 1045  |      |
| .20                                        | 674 | 772 | 877   | 1017  |      |
| .30                                        | 669 | 762 | 867   | 1016  |      |
| .40                                        | 656 | 745 | 852   | 994   |      |
| .50                                        | 644 | 734 | 837   | 967   |      |
| .60                                        | 632 | 714 | 814   | 935   |      |
| .70                                        | 613 | 694 | 787   | 898   |      |

# 1. Wiring Diagram



1012102

\* SEE TABLE IN MANUAL FOR C.F.M. VS. E.S.P. TO DETERMINE PROPER HEATING AND COOLING SPEED CONNECTIONS.



25-22-79

# Replacement Parts - NTGS/GNP

**Models** - NTGS050FFA1, NTGS075GFA1, NTGS100HJA1, NTGS125KNA1 (Natural Gas)  
GNP050F12A1, GNP 075F14A1, GNP100J16A1, GNP125N20A1 (Natural Gas)

**Replacement part supplied will be current active part. For parts not listed, consult place of purchase.**

| Key No. | Description Functional         | Part Number | 050 | 075 | 100 | 125 | Key No. | Description Non-Functional | Part Number | 050 | 075 | 100 | 125 |
|---------|--------------------------------|-------------|-----|-----|-----|-----|---------|----------------------------|-------------|-----|-----|-----|-----|
| 1       | Heat Exchanger                 | 1008876     | 1   | -   | -   | -   | A       | Panel Top                  | 1012136     | 1   | 1   | -   | -   |
|         |                                | 1008877     | -   | 1   | -   | -   |         |                            | 1012137     | -   | -   | 1   | -   |
|         |                                | 1008878     | -   | -   | 1   | -   |         |                            | 1012138     | -   | -   | -   | 1   |
|         |                                | 1008879     | -   | -   | -   | 1   | B       | Box Field Connect          | 1011941     | 1   | 1   | 1   | 1   |
| 2       | Coil Condenser                 | 1010495     | 1   | 1   | -   | -   | C       | Cover Field Connect        | 1010360     | 1   | 1   | 1   | 1   |
|         |                                | 1010496     | -   | -   | 1   | -   | D       | Casing                     | 1011649     | 1   | 1   | -   | -   |
|         |                                | 1010497     | -   | -   | -   | 1   |         |                            | 1011650     | -   | -   | 1   | -   |
| 3       | Wheel Blower 10-8DD            | 600587      | 1   | 1   | -   | -   |         |                            | 1011651     | -   | -   | -   | 1   |
|         | 10-10DD                        | 601210      | -   | -   | 1   | -   | E       | Baffle Circ Air            | 707010031   | 2   | 2   | 2   | 2   |
|         | 11-10DD                        | 1011420     | -   | -   | -   | 1   | F       | Bracket Coil               | 1008743     | 1   | 1   | -   | -   |
| 4       | Motor Blower 115V 1/3 HP       | 1009054     | 1   | -   | -   | -   |         |                            | 1008745     | -   | -   | 1   | -   |
|         | 115V 1/2 HP                    | 1009053     | -   | 1   | -   | -   |         |                            | 1008747     | -   | -   | -   | 1   |
|         | 115V 1/2 HP                    | 1009052     | -   | -   | 1   | -   | G       | Bracket Mount Coil(RH)     | 1011446     | 1   | 1   | 1   | 1   |
|         | 115V 3/4 HP                    | 1011404     | -   | -   | -   | 1   | H       | Bracket Mount Coil(LH)     | 1011445     | 1   | 1   | 1   | 1   |
| 5       | Mount Motor Kit                | 609227      | 1   | 1   | 1   | -   | J       | Rail Blower Slide          | 57059       | 2   | 2   | 2   | 2   |
|         |                                | 522020024   | -   | -   | -   | 1   | K       | Casing Base                | 1010113     | 1   | 1   | -   | -   |
| 6       | Capacitor 5/370V               | 1094954     | 1   | -   | -   | -   |         |                            | 1010114     | -   | -   | 1   | -   |
|         | 10/370V                        | 1094956     | -   | -   | 1   | 1   |         |                            | 1010115     | -   | -   | -   | 1   |
|         | 7.5/370V                       | 1094239     | -   | 1   | -   | -   | L       | Blower Partition           | 1010815     | 1   | 1   | -   | -   |
| 7       | Control, Fan Timer             | 1011927     | 1   | 1   | 1   | 1   |         |                            | 1010816     | -   | -   | 1   | -   |
| 8       | Transformer                    | 1011626     | 1   | 1   | 1   | 1   |         |                            | 1010817     | -   | -   | -   | 1   |
| 9       | Switch Door Interlock          | 1010886     | 1   | 1   | 1   | 1   | M       | Panel Cutoff Blwr          | 721020013   | 1   | 1   | -   | -   |
| 10      | Switch Pressure                | 1012156     | 1   | 1   | 1   | 1   |         |                            | 721020008   | -   | -   | 1   | 1   |
| 11      | Blower Exhaust                 | 1011409     | 1   | 1   | 1   | 1   | N       | Housing Blower             | 1011680     | 1   | 1   | -   | -   |
| 12      | Restrictor Exh Blwr            | 1008696     | 1   | 1   | -   | -   |         |                            | 1011681     | -   | -   | 1   | -   |
|         |                                | 1009386     | -   | -   | 1   | -   |         |                            | 1010481     | -   | -   | -   | 1   |
| 13      | O Ring (Exh Blwr)              | 1009035     | 1   | 1   | 1   | 1   | O       | Bracket Ctrl Board         | 1011819     | 1   | 1   | 1   | 1   |
| 14      | Washer Exh Blwr                | 1009037     | 2   | 2   | 2   | 2   | Q       | Hanger Blower              | 1010690     | 2   | 2   | 2   | 2   |
| 15      | Transition Asy                 | 1011850     | 1   | 1   | 1   | 1   | R       | Partition Frt Bot          | 1011060     | 1   | -   | -   | -   |
| 16      | O Ring (Header Box)            | 1009036     | 1   | 1   | 1   | 1   |         |                            | 1011061     | -   | 1   | -   | -   |
| 18      | Switch Limit Rollout           | 1005549     | -   | 1   | -   | -   |         |                            | 1011062     | -   | -   | 1   | -   |
|         |                                | 1094863     | 1   | -   | 1   | 1   |         |                            | 1011063     | -   | -   | -   | 1   |
| 19      | Valve Gas Nat & LP             | 1011421     | 1   | 1   | 1   | 1   | S       | Partition Frt Top          | 1012139     | 1   | -   | -   | -   |
| 20      | Manifold Gas                   | 1012093     | 1   | -   | -   | -   |         |                            | 1011596     | -   | 1   | -   | -   |
|         |                                | 1012094     | -   | 1   | -   | -   |         |                            | 1011597     | -   | -   | 1   | -   |
|         |                                | 1012095     | -   | -   | 1   | -   |         |                            | 1011598     | -   | -   | -   | 1   |
|         |                                | 1012096     | -   | -   | -   | 1   | T       | Gasket Collector Box       | 1008676     | 1   | 1   | -   | -   |
| 21      | Tube Pilot                     | 64930       | 1   | 1   | 1   | 1   |         |                            | 1008677     | -   | -   | 1   | -   |
| 22      | Orifice Burner Nat #42         | 1011351     | 2   | 3   | 4   | 5   |         |                            | 1008678     | -   | -   | -   | 1   |
|         | LP #54                         | *1011356    | 2   | 3   | 4   | 5   | U       | Collector Box              | 1008670     | 1   | 1   | -   | -   |
|         | High Altitude Orifice Nat #44  | 1011352     | 2   | 3   | 4   | 5   |         |                            | 1008671     | -   | -   | 1   | -   |
|         | Nat #45                        | 1011353     | 2   | 3   | 4   | 5   |         |                            | 1008672     | -   | -   | -   | 1   |
|         | LP #55                         | *1011354    | 2   | 3   | 4   | 5   | V       | Board Insul Coll Box       | 1008682     | 1   | 1   | -   | -   |
|         | LP #56                         | *1011355    | 2   | 3   | 4   | 5   |         |                            | 1008683     | -   | -   | 1   | -   |
| 23      | Igniter/Sensor with Clip       | 1009524     | 1   | 1   | 1   | 1   |         |                            | 1008684     | -   | -   | -   | 1   |
| 24      | Pilot Burner Assembly Nat & LP | 1008731     | 1   | 1   | 1   | 1   | Y       | Bracket Pilot              | 1010901     | 1   | 1   | 1   | 1   |
| 25      | Orifice Pilot Nat .018         | 503211      | 1   | 1   | 1   | 1   | AA      | Door Louvered              | 1010168     | 1   | 1   | -   | -   |
|         | LP .011                        | 1009136     | -   | -   | -   | -   |         |                            | 1010169     | -   | -   | 1   | -   |
| 26      | Burner Asy                     | 1008723     | 1   | -   | -   | -   |         |                            | 1011848     | -   | -   | -   | 1   |
|         |                                | 1008724     | -   | 1   | -   | -   | BB      | Door Blower                | 1010190     | 1   | 1   | -   | -   |
|         |                                | 1008725     | -   | -   | 1   | -   |         |                            | 1010192     | -   | -   | 1   | -   |
|         |                                | 1008726     | -   | -   | -   | 1   |         |                            | 1011848     | -   | -   | -   | 1   |
| 27      | Switch Limit (Main)            | 1010647     | 1   | -   | -   | -   | MM      | Door Handle                | 1010073     | 1   | 1   | 1   | 1   |
|         |                                | 34332903    | -   | 1   | -   | -   | NN      | Gasket, Heat Exchanger     | 2480904     | 2   | -   | -   | -   |
|         |                                | 1320547     | -   | -   | 1   | -   |         |                            | 2480905     | -   | 2   | -   | -   |
|         |                                | 34332903    | -   | -   | -   | 1   |         |                            | 2480906     | -   | -   | 2   | -   |
| 28      | Tube Sensor                    | 1006298     | 1   | 1   | 1   | 1   |         |                            | 2480907     | -   | -   | -   | 2   |
| 29      | Switch, Limit Auxiliary        | 1000735     | 1   | 1   | 1   | 1   | QQ      | Gasket, Header Box         | 1010510     | 1   | 1   | 1   | 1   |

\* Only used when furnace has been converted to LP Gas

## Replacement Parts - NTGS/GNP

**Models** - NTGS050FFA1, NTGS075GFA1, NTGS100HJA1, NTGS125KNA1 (Natural Gas)  
GNP050F12A1, GNP 075F14A1, GNP100J16A1, GNP125N20A1 (Natural Gas)

**Replacement part supplied will be current active part. For parts not listed, consult place of purchase.**

| Key No. | Description<br>Non-Functional | Part Number    | 050 | 075 | 100 | 125 |
|---------|-------------------------------|----------------|-----|-----|-----|-----|
| RR      | Support, Heat Exchanger       | 1010092        | 1   | -   | -   | -   |
|         |                               | 1010093        | -   | 1   | -   | -   |
|         |                               | 1010098        | -   | -   | 1   | -   |
|         |                               | 1010099        | -   | -   | -   | 1   |
| SS      | Clamp, Capacitor              | 1095020        | 1   | 1   | 1   | 1   |
| XX      | Bracket, Manifold Support     | 1011820        | 2   | 2   | 2   | 2   |
| Y1      | Shield, Burner Top            | 1012113        | 1   | 1   | -   | -   |
|         |                               | 1012121        | -   | -   | 1   | -   |
|         |                               | 1012116        | -   | -   | -   | 1   |
| Y2      | Shield, Burner Secondary      | 1012122        | 1   | 1   | -   | -   |
|         |                               | 1012124        | -   | -   | 1   | -   |
|         |                               | 1012125        | -   | -   | -   | 1   |
| Y3      | Shield, Burner Bottom         | 1012135        | 1   | -   | -   | -   |
|         |                               | 1012142        | -   | 1   | -   | -   |
|         |                               | 1012143        | -   | -   | 1   | -   |
|         |                               | 1012144        | -   | -   | -   | 1   |
| ) (     | <b>PART NOT ILLUSTRATED</b>   |                |     |     |     |     |
| ) (     | Wire Harness                  | 1012155        | 1   | 1   | 1   | 1   |
| ) (     | Pin Plastic Clip              | 2344276        | 3   | 3   | 3   | 0   |
| ) (     | Flexible Neoprene Coupling    | 1002522        | 1   | 1   | 1   | 1   |
| ) (     | Clamp Hose                    | 1002793        | 2   | 2   | 2   | 2   |
| ) (     | Elbow Union                   | 1012099        | 1   | 1   | 1   | 1   |
| ) (     | Manual Tech                   | 440 03 1106 00 | 1   | 1   | 1   | 1   |
| ) (     | Manual Install                | 440 01 1104 00 | 1   | 1   | 1   | 1   |
| ) (     | Manual Homeowners             | 441 02 1001 00 | 1   | 1   | 1   | 1   |
| ) (     | Grommet, Vinyl                | 1009535        | 1   | 1   | 1   | 1   |
| ) (     | Bushing, Strn Rlf             | 1945287        | 1   | 1   | 1   | 1   |

**Gas Conversion Kits - All models**  
 Nat to LP                NAHF002LP \*1009509  
 LP to Nat                \*1009510  
 \*Must be ordered from Service Parts