**Product Specifications**

**EASIER TO SELL**
- Up to 96% AFUE in upflow, horizontal, and up to 95% AFUE in downflow positions
- Fixed-speeds, constant torque ECM blower motor
- Supports single-stage cooling units
- Insulated heat exchanger compartment
- Cabinet air leakage less than 2.0% at 1.0 in. W.C. and cabinet air leakage less than 1.4% at 0.5 in. W.C. when tested in accordance with ASHRAE standard 193
- Approved for Twinning applications with accessory kit (601714, 801716, 802120, 1002120, 1202422, 1402422 models, only).
- Approved for Manufactured Housing/Mobile Home applications with accessory (order separately)
- All sizes can be installed in air quality management districts with a 40 ng/J NOx emissions requirement.

**TOUGHER**
- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride igniter
- High quality, corrosion-resistant, prepainted steel cabinet

**EASIER TO INSTALL AND SERVICE**
- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal and electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Factory shipped for natural gas, with propane gas conversion kits available
- Four position - upflow/downflow/horizontal (left/right) installation
- Twelve different venting configurations
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Self diagnostics with super bright LED
- Slide out heat exchanger and blower assembly

**LIMITED WARRANTY***
- Lifetime heat exchanger limited warranty with timely registration
- 5 year parts limited warranty
  - With timely registration, an additional 5 year parts limited warranty
*For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

---

**WARNING**

**CARBON MONOXIDE POISONING AND FIRE HAZARD**
Failure to follow this warning could result in personal injury, death, and/or property damage.

This furnace is not designed for use in recreation vehicles or outdoors. This furnace is designed for use in manufactured (Mobile) homes when an optional Mobile Home accessory kit is installed.

Failure to follow this warning could result in personal injury, death, and/or property damage.
### N95ESN: Product Specifications

**Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input (BTUH)</th>
<th>Efficiency AFUE</th>
<th>Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)</th>
<th>Dimensions H x W x D (Inches (Millimeters))</th>
<th>Shipping Wt. Lbs (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N95ESN0261410A</td>
<td>26,000</td>
<td>96%</td>
<td>235 - 895</td>
<td>35 x 14-3/16 x 29-1/2 (889 x 361 x 750)</td>
<td>118.0 (53.5)</td>
</tr>
<tr>
<td>N95ESN0401410A</td>
<td>40,000</td>
<td>96%</td>
<td>365 - 950</td>
<td>35 x 14-3/16 x 29-1/2 (889 x 361 x 750)</td>
<td>120.0 (54.4)</td>
</tr>
<tr>
<td>N95ESN0401712A</td>
<td>40,000</td>
<td>96%</td>
<td>270 - 1010</td>
<td>35 x 17-1/2 x 29-1/2 (889 x 445 x 750)</td>
<td>126.5 (57.4)</td>
</tr>
<tr>
<td>N95ESN0561412A</td>
<td>60,000</td>
<td>95%</td>
<td>345 - 1120</td>
<td>35 x 14-3/16 x 29-1/2 (889 x 361 x 750)</td>
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<tr>
<td>N95ESN0561714A</td>
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<td>96%</td>
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<td>35 x 17-1/2 x 29-1/2 (889 x 445 x 750)</td>
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<tr>
<td>N95ESN0801716A</td>
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<td>96%</td>
<td>935 - 1665</td>
<td>35 x 17-1/2 x 29-1/2 (889 x 445 x 750)</td>
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<td>N95ESN0802120A</td>
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<tr>
<td>N95ESN1002120A</td>
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<td>96%</td>
<td>1110 - 2125</td>
<td>35 x 21 x 29-1/2 (889 x 533 x 750)</td>
<td>164.5 (74.6)</td>
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<tr>
<td>N95ESN1002122A</td>
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<td>96%</td>
<td>1300 - 2065</td>
<td>35 x 21 x 29-1/2 (889 x 533 x 750)</td>
<td>164.5 (74.6)</td>
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<tr>
<td>N95ESN1202422A</td>
<td>120,000</td>
<td>96%</td>
<td>710 - 2105</td>
<td>35 x 24-1/2 x 29-1/2 (889 x 622 x 750)</td>
<td>179.5 (81.4)</td>
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<tr>
<td>N95ESN1402422A</td>
<td>140,000</td>
<td>95%</td>
<td>470 - 2310</td>
<td>35 x 24-1/2 x 29-1/2 (889 x 622 x 750)</td>
<td>189.0 (85.7)</td>
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</tbody>
</table>

### DIMENTIONAL DRAWING

![Dimensional Drawing](image)

**NOTE:** ALL DIMENSIONS IN INCH (MM)

### U.S. ECCN: Not Subject to Regulation (N.S.R.)

1. Drawn may vary by model.
2. See flex duct manufacturer’s recommendations or equivalent direction.
3. 5:1000 mm mm (1:100) for 5000 CFM 25-1/2 in. (650 mm) rectangular.
4. For 5000 CFM 25-1/2 in. (650 mm) circular, prior to 4.25 in. (108 mm) diameter (2.50 in. (63.5 mm) diameter).
### FURNACE SIZE

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>CABINET WIDTH</th>
<th>OUTLET WIDTH</th>
<th>BOTTOM INLET WIDTH</th>
<th>AIR INTAKE</th>
<th>SHIP WT. LB (KG)</th>
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<tr>
<td>0261410</td>
<td>14-3/16 (361)</td>
<td>12-1/2 (319)</td>
<td>12-9/16 (322)</td>
<td>7-1/8 (181)</td>
<td>118.5 (53.7)</td>
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<tr>
<td>0401410</td>
<td>14-3/16 (361)</td>
<td>12-1/2 (319)</td>
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<td>7-1/8 (181)</td>
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<tr>
<td>0401712</td>
<td>17-1/2 (445)</td>
<td>15-7/8 (403)</td>
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<td>8-3/4 (222)</td>
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<tr>
<td>0601412</td>
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<tr>
<td>0802120</td>
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<tr>
<td>1202422</td>
<td>24-1/2 (622)</td>
<td>22-7/8 (581)</td>
<td>23 (584)</td>
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<tr>
<td>1402422</td>
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<td>23 (584)</td>
<td>12-1/4 (311)</td>
<td>189 (85.7)</td>
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### MODEL NUMBER NOMENCLATURE

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<td>CABINET WIDTH</td>
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<td>22 = 2200 CFM</td>
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</tbody>
</table>

For California Residents:

If installed with a manufactured (mobile) home conversion kit in SCAQMD: This furnace does not meet the SCAQMD Rule 1111 14 ng/J NOx emission limit, and thus is subject to a mitigation fee of up to $450. This furnace is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com
FURNACE COMPONENTS

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

<table>
<thead>
<tr>
<th>POSITION</th>
<th>CLEARANCE</th>
</tr>
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<tbody>
<tr>
<td>Rear</td>
<td>0 (0 mm)</td>
</tr>
<tr>
<td>Front (Combustion air openings in furnace and in structure)</td>
<td>1 in. (25 mm)</td>
</tr>
<tr>
<td>Required for service*</td>
<td>24 in. (610 mm)†</td>
</tr>
<tr>
<td>All Sides of Supply Plenum*</td>
<td>1 in. (25 mm)</td>
</tr>
<tr>
<td>Sides</td>
<td>0 (0 mm)</td>
</tr>
<tr>
<td>Vent</td>
<td>0 (0 mm)</td>
</tr>
<tr>
<td>Top of Furnace</td>
<td>1 in. (25 mm)</td>
</tr>
</tbody>
</table>

* Consult your local building codes
† Recommended

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.
**PHYSICAL DATA**

<table>
<thead>
<tr>
<th>FURNACE SIZE</th>
<th>0261410</th>
<th>0401410</th>
<th>0401712</th>
<th>0601412</th>
<th>0601714</th>
<th>0801716</th>
<th>0802120</th>
<th>1002120</th>
<th>1002122</th>
<th>1202422</th>
<th>1402422</th>
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</thead>
<tbody>
<tr>
<td>Input (BTU/h)</td>
<td>26,000</td>
<td>40,000</td>
<td>40,000</td>
<td>60,000</td>
<td>60,000</td>
<td>80,000</td>
<td>80,000</td>
<td>100,000</td>
<td>100,000</td>
<td>120,000</td>
<td>140,000</td>
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<tr>
<td>Output (BTU/h)</td>
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<td>39,000</td>
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<td>58,000</td>
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<td>97,000</td>
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<td>135,000</td>
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**AIRFLOW CAPACITY AND BLOWER DATA**

<table>
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<th>Heated External Static Pressure (in. w.c.)</th>
<th>Heating</th>
<th>0.10</th>
<th>0.10</th>
<th>0.10</th>
<th>0.12</th>
<th>0.12</th>
<th>0.12</th>
<th>0.15</th>
<th>0.15</th>
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<tbody>
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<td>0.50</td>
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<tr>
<td>Airflow Delivery @ Rated ESP (CFM)</td>
<td>Heating</td>
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<td>695</td>
<td>650</td>
<td>930</td>
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<td>950</td>
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<td>1855</td>
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<tr>
<td>Cooling Capacity (tons) @ 400, 350 CFM/ton</td>
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<td>400 - 1200</td>
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<td>Blower Wheel Dia x Width</td>
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<td>Air Filtration System Filter Used for Certified Watt Data</td>
<td>Field Supplied Filter</td>
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**CONTROLS**

| Gas Connection Size                       | 1/2" - NPT |
| Burners (Monoport)                        | 2 2 3 3 4 4 5 5 6 7 |
| Gas Valve (Redundant) Manufacturer         | White Rodgers |
| Minimum Inlet Gas pressure (in. wc)        | 4.50 |
| Maximum Inlet Gas pressure (in. wc)        | 13.60 |
| Manufactured (Mobile) Home Kit Ignition Device | See Accessory Listing |
| Heating Blower Control (Heating Off-Delay) | Adjustable: 90, 120, 150, 180 seconds |
| Heating Blower Control (Time Delay Relay)  | 90 seconds |
| Communication System                       | none |
| Thermostat Connections                     | Com 24V, R, W, G, Y |
| Accessory Connections                      | EAC (115vac); HUM (24vac); 1-stg AC (via Y) |
### AIR DELIVERY - CFM (with filter)

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<th>UNIT SIZE</th>
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<th>SPEED TAPS 2, 3 (Function)</th>
<th>EXTERNAL STATIC PRESSURE (IN.W.C.)</th>
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### NOTE:

1. A filter is required for each return-air inlet. Airflow performance includes a 3/4-in. (19 mm) washable filter media such as contained in a factory-authorized accessory filter rack. See accessory list. To determine airflow performance without this filter, assume an additional 0.1 in. w.c. available external static pressure.

2. ADJUST THE BLOWER SPEED TAPS AS NECESSARY FOR THE PROPER AIR TEMPERATURE RISE FOR EACH INSTALLATION.

3. The “Function” column identifies which speed taps can be used for heating.

4. ADJUST THE BLOWER SPEED TAPS AS NECESSARY FOR THE PROPER AIR TEMPERATURE RISE FOR EACH INSTALLATION.

5. If the same motor speed tap is needed for heating and cooling, a Jumper Wire accessory kit is available, see Specification Sheet accessories for the current Jumper Wire accessory part number. Reference the “Start-up, Adjustments, and Safety Check” section of installation instructions for further Jumper Wire instructions.

6. For upflow applications, air entering from one side into both the side of the furnace and a return air base counts as a side and bottom return.

7. The “-” entry indicates an unstable operating condition.

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.
## ACCESSORIES

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* FACTORY AUTHORIZED AND FIELD INSTALLED. GAS CONVERSION KITS ARE CSA APPROVED.
† PURCHASED THROUGH FAST PARTS
X - ACCESSORY AVAILABLE
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* Factory authorized and field installed. Gas conversion kits are CSA approved.
† Purchased through FAST Parts
X - Accessory available

### ORIFICES

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