

# N96VSN

## Variable 25-Speed, Non-Communicating, Single-Stage Gas Furnace



### Efficiency/Performance

- Up to 97.0% AFUE in upflow and horizontal positions, 95% AFUE in downflow position
- Variable-speed, constant torque ECM blower motor
- Supports single-stage and two-stage cooling units
- Dehumidification feature in cooling
- All sizes can be installed in air quality management districts with a 40 ng/J NOx emissions requirement
- 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
- Control of continuous fan speed from a compatible thermostat

### Reliability/Durability

- Flame roll-out sensors standard
- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ® primary heat exchanger
- Stainless steel secondary heat exchanger
- High temperature limit control designed to prevent overheating
- Direct ignition with Silicon Nitride ignitor
- Variable speed, constant torque ECM blower motor
- Fully insulated steel cabinet

### Easy-to-Install and Service

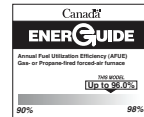
- On-board NFC antenna makes setup a tap away when using the service technician app
- Direct vent (2-pipe), single-pipe venting or ventilated combustion air
- 24 VAC humidifier terminal
- Electronic air cleaner terminal
- 35" (889mm) high, for ease of installation
- Quarter turn knobs for easy door removal and secure attachment
- Convertible to propane with gas conversion accessory kit
- Four position – upflow/downflow/horizontal (left/right) installation
- Twelve different venting configurations
- Twinning capable with accessory (order separately)
- Through the casing flue pipe for counterflow or horizontal applications with accessory (order separately)
- Concentric vent available
- Slide out heat exchanger assembly and blower assembly

### Limited Warranty\*

- Lifetime heat exchanger limited warranty with timely registration
- Five-year parts limited warranty
  - With timely registration, an additional five-year parts limited warranty

\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

Illustrations and photographs are only representative. Some Product models may vary.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



ISO 9001  
QMS-SAI Global

**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.  
Failure to follow this warning could result in personal injury, death, and/or property damage.



# N96VSN (con't.)

## Variable 25-Speed, Non-Communicating, Single-Stage Gas Furnace

### Unit Performance Data

Model Number	Heating Input (BTUH)	Efficiency Range AFUE		Energy Star®	Cooling Capacity CFM range @ .5 in wc (125 PA)	Operating Dimensions H x W x D (sq) in (mm)	Shipping Weight lbs (kg)
		Upflow/Hz	Downflow				
N96VSN0401410B	40,000	96.0%	95.0%	•	130-990	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	124 (56.2)
N96VSN0401712B	40,000	96.7%	95.0%	•	205-1105	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	134 (60.8)
N96VSN0601412B	60,000	95.0%	95.0%	•	175-1155	35 x 14-3/16 x 29-1/2 (889 x 361 x 750)	128 (58.1)
N96VSN0601716B	60,000	97.0%	95.0%	•	345-1565	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	144 (65.3)
N96VSN0801716B	80,000	97.0%	95.0%	•	255-1625	35 x 17-1/2 x 29-1/2 (889 x 445 x 750)	151 (68.5)
N96VSN0802120B	80,000	97.0%	95.0%	•	270-2110	35 x 21 x 29-1/2 (889 x 533 x 750)	161 (73.0)
N96VSN1002120B	100,000	96.3%	95.0%	•	400-2120	35 x 21 x 29-1/2 (889 x 533 x 750)	172 (78.0)
N96VSN1202422B	120,000	96.1%	95.0%	•	350-2245	35 x 24-1/2 x 29-1/2 (889 x 622 x 7507)	186 (84.4)