

# N80ESN, N80ESL

## 80% SINGLE STAGE GAS FURNACE

### EASIER TO SELL

- 80% AFUE
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Louvered door
- 24 VAC and 115 VAC humidifier terminal
- Electronic air cleaner terminal
- N80ESL - Low NOx units are designed for California installations and meet 40 ng/J NOx emissions. 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

### TOUGHER

- Adjustable heating blower OFF delay
- Factory set blower ON delay
- RPJ Aluminized steel heat exchanger
- High temperature limit control prevents overheating
- Direct ignition with Silicon Nitride ignitor
- One piece pre-painted steel cabinet

### QUIETER

- In-shot burners

### EASIER TO INSTALL AND SERVICE

- 33-1/3" (847mm) 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
- Three position inducer elbow capability
- Through the casing flue pipe for counterflow applications
- Common venting with other Category I appliances
- Masonry chimney adapter available
- Self diagnostics
- Slide out blower assembly

### LIMITED WARRANTY\*

- 20 year 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.

### For California Residents:

For installation in SCAQMD only: 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](http://www.CleanAirFurnaceRebate.com)



|| Some product features may vary. |ative.

**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, manufactured (mobile) homes or outdoors.  
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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).

# N80ESN, N80ESL (cont.)

UNIT PERFORMANCE DATA						
Model Number	Heating Input (MBTUH)	Efficiency AFUE	Cooling Capacity CFM range @ .5 in. w.c. (125 Pa)	Operating Dimensions Height x Width x Depth inches (millimeters)	Operating Weight lbs (kg)	Notes
N80MSN0451412A	44,000	80%	415-1080	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	104 (47)	
N80MSN0451712A	44,000	80%	320-1215	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	119 (54)	
N80MSN0701412A	66,000	80%	315-1070	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	114 (52)	
N80MSN0701712A	66,000	80%	385-1005	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	120 (54)	
N80MSN0702116A	66,000	80%	775-1545	33-1/3 x 21 x 29 (847 x 533 x 737)	142 (64)	
N80MSN0901714A	88,000	80%	750-1210	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	131 (49)	
N80MSN0902116A	88,000	80%	845-1445	33-1/3 x 21 x 29 (847 x 533 x 737)	137 (62)	
N80MSN0902120A	88,000	80%	915-1980	33-1/3 x 21 x 29 (847 x 533 x 737)	140 (64)	
N80MSN0902422A	88,000	80%	845-1960	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	146 (66)	
N80MSN1102120A	110,000	80%	990-1715	33-1/3 x 21 x 29 (847 x 533 x 737)	146 (66)	
N80MSN1102420A	110,000	80%	820-2005	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	161 (73)	
N80MSN1352420A	132,000	80%	1025-1810	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	167 (76)	
N80MSN1552420A	154,000	80%	835-1965	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	168 (76)	
LOW NO <sub>x</sub> MODELS						
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