

# F80CTL

## 80% VARIABLE SPEED, TWO-STAGE GAS FURNACE

### EASIER TO SELL

- 80% AFUE
- 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
- Supports two-stage cooling units
- ION™ Communicating Control System
- Observer® Communicating Control System
- Flame roll-out sensors standard
- Category I venting
- Blocked vent switch
- Dehumidification feature in cooling
- 24 VAC humidifier terminal and electronic air cleaner terminal
- 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.

### TOUGHER

- Communicating variable speed ECM blower motor
- 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 prepainted steel cabinet

### QUIETER

- Two-stage operation
- Two-stage induced draft blower motor
- In-shot burners
- Insulated blower compartment

### 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 vent 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\*

- 10 year No Hassle Replacement™ limited warranty
- Lifetime heat exchanger limited warranty
- 5 year parts limited warranty
- With timely registration, an additional 5 year parts limited warranty

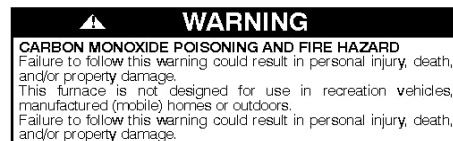
\* For residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

### 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)



Illustration



ISO 9001  
Quality



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

# F80CTL (cont.)

UNIT PERFORMANCE DATA						
Model Number	Heating Input (BTUH)	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
F80CTL0451712A	44,000	80%	550-1345	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	118 (53.5)	
F80CTL0701412A	66,000	80%	485-1395	33-1/3 x 14-3/16 x 29 (847 x 360 x 737)	118 (53.5)	
F80CTL0701716A	66,000	80%	505-1375	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	126 (57.1)	
F80CTL0702120A	66,000	80%	790-2150	33-1/3 x 21 x 29 (847 x 533 x 737)	147 (66.7)	
F80CTL0901716A	88,000	80%	475-1595	33-1/3 x 17-1/2 x 29 (847 x 445 x 737)	134 (60.8)	
F80CTL0902120A	88,000	80%	730-2330	33-1/3 x 21 x 29 (847 x 533 x 737)	153 (69.4)	
F80CTL1102120A	110,000	80%	700-2155	33-1/3 x 21 x 29 (847 x 533 x 737)	156 (70.7)	
F80CTL1352422A	132,000	80%	690-2265	33-1/3 x 24-1/2 x 29 (847 x 622 x 737)	169 (76.6)	