



# TEMPSTAR®

Heating and Cooling Products

## SmartComfort™ VS 80

### Two-Stage Gas Furnace



# The Tempstar® SmartComfort™ VS 80 Two-Stage Gas Furnace

Tempstar® professionals take pride in bringing you the latest technology in home comfort, with the goal of surpassing your expectations in energy efficiency and dependability. From engineering and design to industry-leading warranties, we are dedicated to always delivering quality you can feel.



## Your Home Deserves The Best

Unlike single-stage furnaces—which heat up fast and shut down fast, going from too hot to too cold—the Tempstar® SmartComfort™ VS 80 delivers consistent heat and overall comfort. The two-stage system operates at low heat most of the time and automatically modulates to higher heat production if the temperature drops. Run the high efficiency fan continuously to improve indoor air quality. The variable-speed motor can also help increase comfort by maximizing moisture removal<sup>1</sup> during cooling (air conditioner) operation.

<sup>1</sup>Used with a humidity-sensing thermostat or dehumidistat.



1



**Reliable** Direct Hot Surface Ignition System features an advanced silicon nitride igniter for greater reliability.

2



**Durable** RPJ® III heat exchanger has a ripple-edged design that forces more heat to the outside surface for higher efficiencies. Made of corrosion-resistant, weld-free aluminized steel.

3



**Heating On Demand** Two-stage redundant gas valve, two-speed induced draft blower assembly, and variable-speed motor modulate up smoothly when more heat is needed.

4



**Quiet** Variable-speed circulation blower motor is prelubricated, dynamically balanced and resilient mounted to reduce vibration and noise.

5



**System Monitoring** State-of-the-art electronic controls monitor system operation for faster, easier system diagnostics.



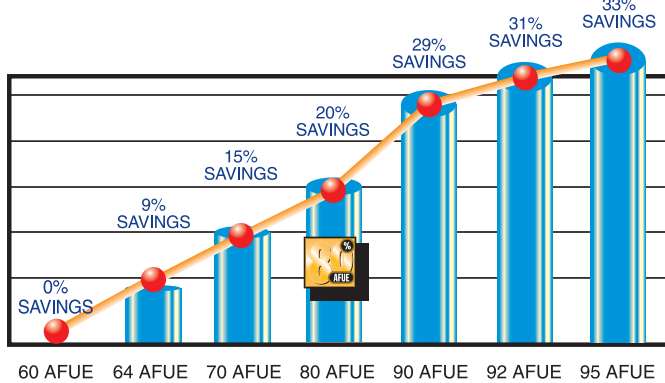


## A Penny Saved...

The SmartComfort VS 80 achieves an efficiency rating of 80% AFUE<sup>†</sup>. That can translate into big savings on your utility bills, especially when compared to the 60%–65% AFUE rating in older, less efficient furnaces.

<sup>†</sup>AFUE stands for Annual Fuel Utilization Efficiency.

## Higher AFUE Equals Greater Energy Savings



Percentage based on national averages; may vary according to efficiency of current unit and installation.

## It's All About Durability

We want your SmartComfort VS 80 to last as long as possible. That's why the heat exchanger—the key component of any furnace—is made of aluminized steel for maximum durability. The RPJ® III heat exchanger is built using a process that replaces welds with an industrial crimping process and produces a far more reliable seal.



## We Stand Behind It

Every Tempstar unit is backed by exceptional warranties, including our No Hassle Replacement™ limited warranty\*, which gives you a replacement unit if the heat exchanger should fail within the first ten years. You also get up to a 10 year<sup>§</sup> parts limited warranty\* and a 25 year limited warranty\* on the heat exchanger. And don't forget to ask your dealer about HELP® extended service agreements for additional worry-free protection for parts and labor coverage.



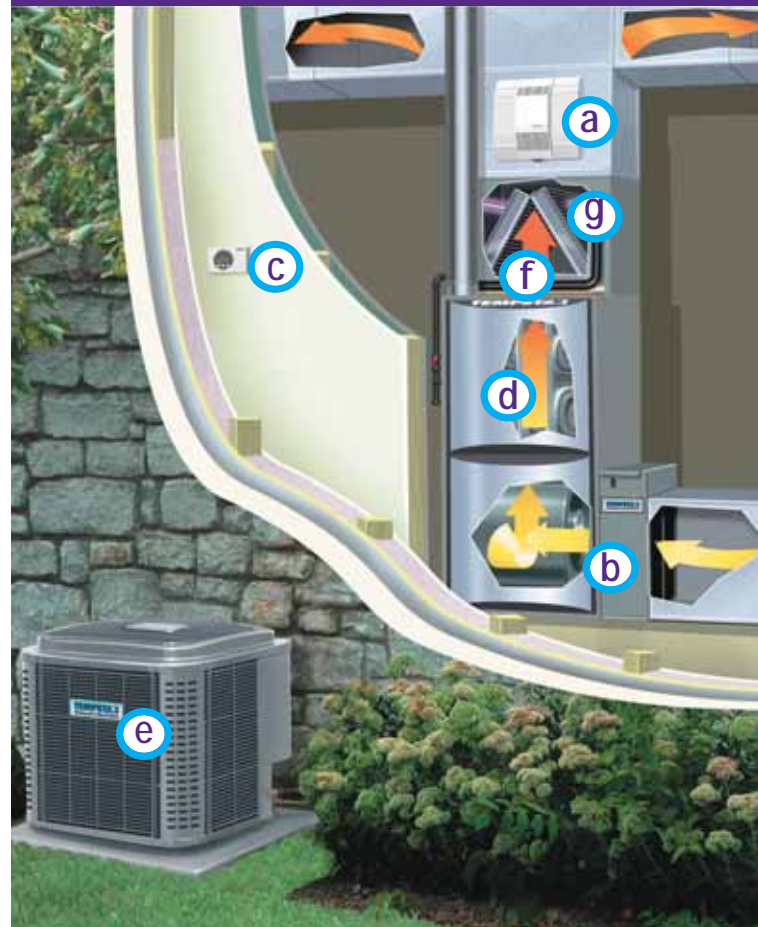
\*See published warranty for complete details. To learn more about all of these limited warranties, including the No Hassle Replacement limited warranty, go to [Tempstar.com](http://Tempstar.com).

<sup>§</sup>Subject to conditions. Ten year warranty requires timely registration. See detailed additional information on back page and Warranty Certificate at [Tempstar.com](http://Tempstar.com) for complete details.



## Complete Line. Complete Comfort.

- a** HUMIDIFIER enhances comfort by reducing dryness in the air.
- b** AIR CLEANER filters out many indoor air pollutants so the air in your home is cleaner.
- c** SET-BACK THERMOSTAT allows you to customize heating and cooling levels and also save energy.
- d** FURNACE is designed for maximum comfort and high efficiency and built rugged for years of operation.
- e** AIR CONDITIONER keeps your home cool and comfortable while saving on energy.
- f** EVAPORATOR/ INDOOR COIL matches your Tempstar air conditioner and furnace to ensure great performance.
- g** UV LIGHTS help prevent the growth of microbes on the coils.



MAINLINE MODELS

Tempstar Gas Furnace Comparison	DLX 80	IIS 80	VS 80	DLX 90	DLX 95	IIS 90	VS 90	VS 95
MODEL SERIES	T8MPN/ T8MPL/ T8DNL	T8MPT	T8MPV	T9MPD	T9UHX	T9MPT	T9MPV	T9MVX
ENERGY SAVINGS AFUE RATING*	80%	80%	80%	92%	95%	92%	92%	95%
HEAT EXCHANGER WARRANTY <sup>^</sup>	20YR	25YR	25YR	LIFE TIME	LIFE TIME	LIFE TIME	LIFE TIME	LIFE TIME
NO HASSLE REPLACEMENT™ Limited Warranty	1YR	7YR	10YR	5YR	5YR	7YR	10YR	10YR
PARTS WARRANTY <sup>^</sup>	10YR	10YR	10YR	10YR	10YR	10YR	10YR	10YR
RPJ® III HEAT EXCHANGER Patented weld-free construction	●	●	●	●	●	●	●	●
VARIABLE-SPEED ECM CIRCULATION BLOWER MOTOR Quiet, even airflow	●	●	●	●	●	●	●	●
TWO-STAGE OPERATION Self-adjusting heat modes	●	●	●	●	●	●	●	●

\*Many models earn the ENERGY STAR®. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).

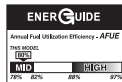
<sup>^</sup>AFUE stands for Annual Fuel Utilization Efficiency. Higher number = Greater efficiency.

<sup>^</sup>This Tempstar product carries a ten (10) year limited warranty on parts, including compressor and coils, to original homeowner if installed in an owner-occupied, single-family residence and properly registered within ninety (90) days after original installation. Otherwise, the parts warranty period is five (5) years from the date of installation. Heat exchangers may carry longer limited warranty coverage that applies to original homeowners with timely registration. (See Warranty Certificate for registration instructions. Registration not required in all jurisdictions.)

**TEMPSTAR®**  
Heating and Cooling Products

QUALITY YOU CAN FEEL™

All systems tested and listed by the appropriate agencies.



ISO 9001:  
2000 Registered

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As part of its commitment to quality, International Comfort Products, LLC, reserves the right to change specifications on its products without notice. Illustrations and photographs in this brochure are only representative. Some product models may vary.