



TEMPSTAR®

Heating and Cooling Products

SmartComfort® VS 80
Variable-Speed
Two-Stage Gas Furnace
Featuring The Observer™
Communicating System



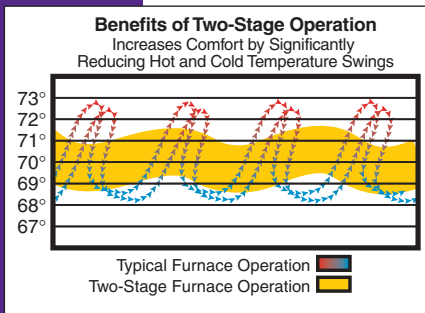
VS 80



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Featuring The Observer™ Communicating System

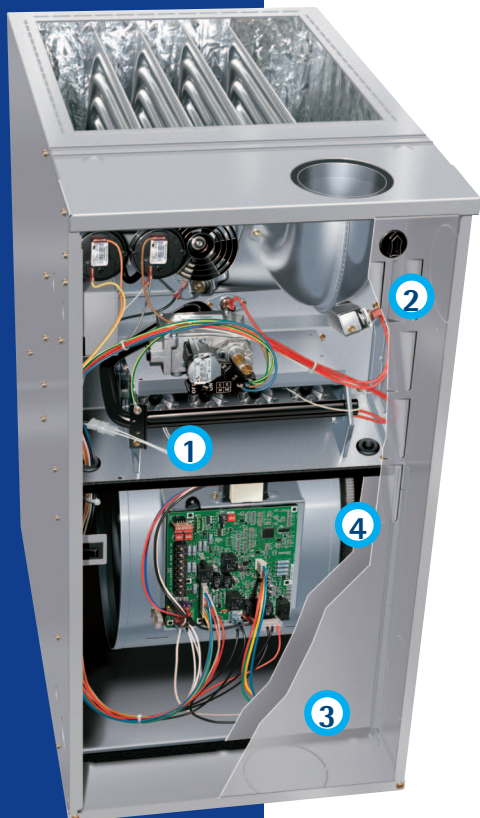
Tempstar® professionals take pride in bringing you the latest technology in home comfort, with the goal of surpassing your expectations in energy efficiency and dependability. From engineering and design to industry-leading warranties, we are dedicated to always delivering quality you can feel.



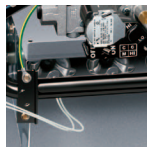
Communicating Comfort

The Tempstar® SmartComfort® VS 80 Variable-Speed Two-Stage Gas Furnace featuring the Observer™ communicating system is designed to take your home to a new level of comfort and efficiency. Teamed with our Observer communicating wall control and the appropriate air conditioner and indoor coil, the SmartComfort VS 80 functions as part of a complete communicating home comfort system. Various components of the system “talk” to each other electronically, fine-tuning comfort levels while maximizing energy savings.

*Used with a humidity-sensing thermostat or dehumidistat.



1



Reliable Direct hot surface ignition system features an advanced silicon nitride igniter and in-shot burners for greater reliability.

2



Safe Temperature limit control, reliable gas valve and induced draft motor plus a patented draft safety switch that shuts off the furnace if a vent blockage is detected.

3



Quiet Solid pre-painted steel insulated cabinet with tight-fit door latch system, blower motor isolated behind a sealed door, and soft-mount rubber gaskets on key components lower operating sounds.

4



Comfort & Efficiency Two-stage redundant gas valve, two-speed induced draft blower, and variable-speed high-efficiency ECM blower motor smoothly adjust up or down when more or less heat is needed.

5



Observer™ Communicating Wall Control The SmartComfort® VS 80 is teamed with our innovative Observer™ communicating wall control, offering full-color touchscreen technology and coordinating with compatible air conditioners and system accessories to create maximum efficiency and ideal comfort.

Consistent Warmth

This two-stage furnace with an ECM variable-speed motor gives you a comfort advantage over other gas furnaces! Unlike single-stage furnaces—which can heat up fast and shut down fast, causing uncomfortable temperature swings—the SmartComfort VS 80 delivers consistent heat and overall comfort. The two-stage system operates at low heat most of the time and automatically adjusts as needed to meet the desired temperature. Running the variable-speed blower fan continuously can improve indoor air quality.

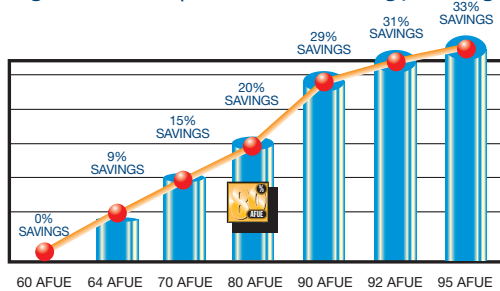
Quiet Counts

The sturdy steel cabinet is thermal lined and insulated to reduce the amount of heat and operating noise that escapes. A sealed blower compartment, soft-mount components, and the variable-speed blower motor also reduce operating sounds. The ECM variable-speed blower fan can also give you an increase in cooling efficiency that can translate to an increased SEER¹ rating when matched with select Tempstar air conditioners and evaporator coils.[†]

¹SEER stands for Seasonal Energy Efficiency Ratio.

[†]As compared to the Air-Conditioning, Heating and Refrigeration Institute's standard coil-only rating.

Higher AFUE Equals Greater Energy Savings



Quality Warranties

Tempstar units are backed by exceptional warranties, including our No Hassle Replacement[™] limited warranty, which gives the original purchaser a replacement unit if the heat exchanger should fail due to defect within the first ten years. Upon timely registration, you also get a 10 year parts limited warranty* and a 20 year limited warranty on the heat exchanger.



*Timely registration required for 10 year limited parts warranty. Limited warranty period is 5 years for parts if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty periods. Please see warranty certificate for further details and restrictions.

The Heart Of The Heat

The proven RPJ[®] (Rigid Press Joint) heat exchanger is designed to force more heat to the outside surface for increased heat transfer, and it's constructed of tough corrosion-resistant aluminized steel. The weld-free interlocking clamshell design reduces cracking or separating over the life of the gas furnace. And you can count on energy savings with an 80% AFUE[‡] rating, compared to an older, less efficient furnace.

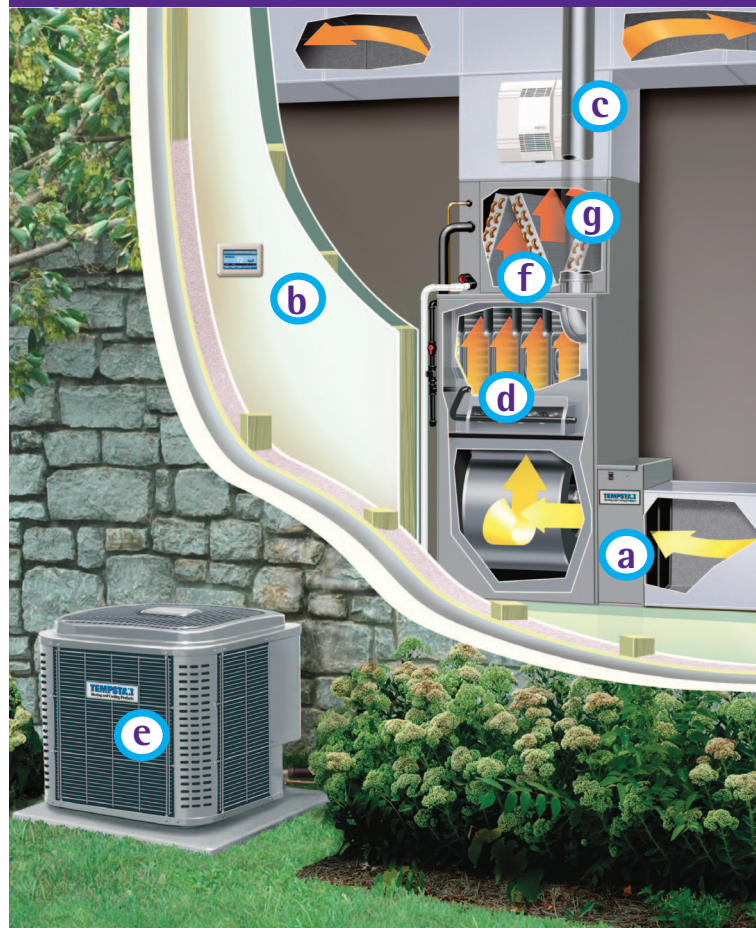


[‡]AFUE stands for Annual Fuel Utilization Efficiency.

Complete Line, Complete Comfort

A completely integrated system of Tempstar heating and cooling products can maximize comfort and efficiency.

- a** **AIR CLEANER**
filters out many indoor air pollutants so the air in your home is cleaner.
- b** **FULL-COLOR TOUCHSCREEN OBSERVER[™] COMMUNICATING WALL CONTROL**
allows you to customize heating and cooling levels and can also save energy.
- c** **HUMIDIFIER**
enhances comfort by reducing dryness in the air.
- d** **COMPATIBLE COMMUNICATING GAS FURNACE**
for maximum comfort and efficiency; seamlessly integrates with Observer communicating wall control to create ideal warmth and energy savings.
- e** **COMPATIBLE COMMUNICATING AIR CONDITIONER**
integrates seamlessly with Observer communicating wall control to optimize cool comfort and energy-saving operation.
- 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. (Not available on all models.)



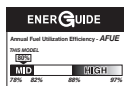
Tempstar Gas Furnace Comparison	MAINLINE MODELS						
	XS 80	IIS 80	VS 80	DLX 96	IIX 96	VT 96	VC 97
MODEL SERIES	F8MX	F8MT	F8MV	F9MXE	F9MXT	F9MVT	F9MAC
AFUE RATING	80%	80%	80%	96%	96%	96%	97%
HEAT EXCHANGER WARRANTY ^A	20YR	20YR	20YR	LIFE TIME	LIFE TIME	LIFE TIME	LIFE TIME
NO HASSLE REPLACEMENT™ Limited Warranty	1YR	5YR	10YR	1YR	5YR	10YR	10YR
PARTS WARRANTY ^A	10YR	10YR	10YR	10YR	10YR	10YR	10YR
TWO-STAGE OPERATION Self-adjusting heat modes	●	●	●	●	●	●	●
MODULATING OPERATION Multiple Heat Modes	●	●	●	●	●	●	●
TWO-STAGE COOLING Compatible	●	●	●	●	●	●	●
ADVANCED DEHUMIDIFICATION CAPABILITY	●	●	●	●	●	●	●
STAINLESS STEEL RPJ [®] Weld-Free Heat Exchanger	●	●	●	●	●	●	●
ALUMINIZED STEEL RPJ [®] Weld-Free Heat Exchanger	●	●	●	●	●	●	●
VARIABLE-SPEED HIGH EFFICIENCY ECM Circulation Blower Motor	●	●	●	●	●	●	●
HIGH EFFICIENCY ECM Circulation Blower Motor	●	●	●	●	●	●	●
STANDARD PSC Circulation Blower Motor	●	●	●	●	●	●	●
INSULATED BLOWER COMPARTMENT	●	●	●	●	●	●	●
CABINET HEIGHT	33 ³ / ₈ "	33 ³ / ₈ "	33 ³ / ₈ "	35"	35"	35"	35"
LOW NOX Available	●	●	●	●	●	●	●
DUAL FUEL COMPATIBLE with Dual Fuel Thermostat	●	●	●	●	●	●	●

^AMany models are ENERGY STAR[®] qualified. Ask your contractor for details or visit www.energystar.gov.

^AAFUE stands for Annual Fuel Utilization Efficiency. Higher number = Greater efficiency.

^ATimely registration required for 10 year limited parts warranty and lifetime limited heat exchanger warranty. Limited warranty period is 5 years for parts and 20 years for heat exchanger if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty periods. Please see warranty certificate for further details and restrictions.

All systems tested and listed by the appropriate agencies.



ISO 9001:
2000 Registered

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.

TEMPSTAR[®]
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QUALITY YOU CAN FEEL[™]

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