

TEMPSTAR®

Heating and Cooling Products

SmartComfort™ IIS 80 Two-Stage Gas Furnace



IIS 80

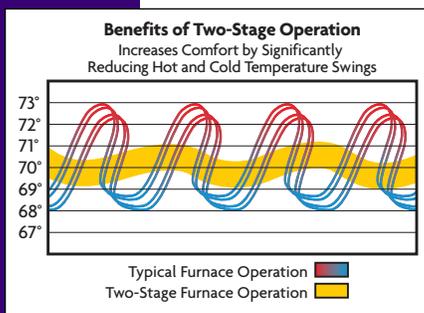


Tempstar® SmartComfort™ IIS 80 Two-Stage Gas Furnace

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.

Multiple Stages For Maximum Comfort

You may wonder why a typical furnace turns on and off frequently, causing uncomfortable temperature swings. It may be caused by the quick heat-up and shut-down cycle of a single-stage system. With a two-stage system, the furnace automatically adjusts to the temperature—normally operating at a quieter, primary stage and adjusting to full capacity to boost heat as temperatures drop. The integrated control system adjusts the flow of gas and combustion fan to each stage. Tempstar® Heating and Cooling Products also builds every unit for minimal operating noise with features ranging from a sturdy steel cabinet that is thermal lined and insulated to a sealed blower compartment and soft-mount components.



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 Two-stage redundant gas valve and two-speed induced draft blower adjust to the higher or lower settings when more or less heat is needed, then heated air is delivered by a PSC blower. The IIS 80 is also compatible with two-stage cooling, and its advanced dehumidification capability can reduce additional moisture in the air when you add a humidity-sensing thermostat to your system.

5



System Control State-of-the-art electronic controls monitor system operation and allow for faster, easier system diagnostics.



Peace Of Mind Warranty Protection

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 five years. You also get a 10 year parts limited warranty upon timely registration 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 System: The Heat Exchanger

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.

Higher AFUE Equals Greater Energy Savings

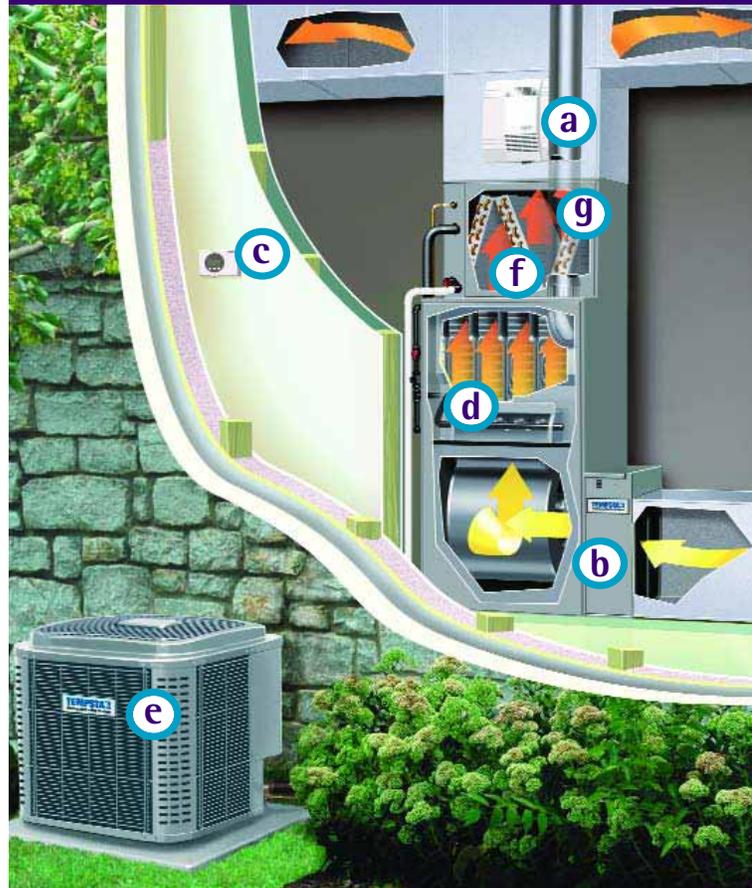


Percentage based on national averages; may vary according to efficiency of current unit and installation.

Four Seasons Of Complete Comfort

Tempstar Heating and Cooling Products recommends a complete integrated system to maximize comfort and efficiency.

- 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 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. (Not available on all models.)



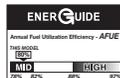
Tempstar Gas Furnace Comparison	MAINLINE MODELS							
	XS 80	IIS 80	VS 80	DLX 90	DLX 95	IIS 90	VS 90	VS 95
MODEL SERIES	F8MX	F8MT	F8MV	T9MPD	T9MPX	T9MPT	T9MPV	T9MVX
ENERGY SAVINGS AFUE RATING*	80%	80%	80%	92%	95%	92%	92%	95%
HEAT EXCHANGER WARRANTY [†]	20YR	20YR	20YR	LIFE TIME				
NO HASSLE REPLACEMENT™ Limited Warranty	1YR	5YR	10YR	1YR	1YR	5YR	10YR	10YR
PARTS WARRANTY [†]	10YR	10YR	10YR	10YR	10YR	10YR	10YR	10YR
TWO-STAGE OPERATION Self-adjusting heat modes	●	●	●	●	●	●	●	●
TWO-STAGE COOLING Compatible	●	●	●	●	●	●	●	●
ADVANCED DEHUMIDIFICATION CAPABILITY	●	●	●	●	●	●	●	●
STAINLESS STEEL RPJ® III 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 ¹ / ₃ "	33 ¹ / ₃ "	33 ¹ / ₃ "	40"	40"	40"	40"	40"
LOW NOX Available	●	●	●	●	●	●	●	●
DUAL FUEL COMPATIBLE with Dual Fuel Thermostat	●	●	●	●	●	●	●	●

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

*AFUE stands for Annual Fuel Utilization Efficiency. Higher number = Greater efficiency.

[†]Timely 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

TEMPSTAR[®]
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QUALITY YOU CAN FEEL™

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