



Heating & Cooling Systems

BRYANT® GAS FURNACES

MORE COMFORT, MORE EFFICIENCY
and a choice that's right for you



Turning Change Into Opportunity – Bryant Delivers a Complete Family of Furnaces Engineered for FER Compliance

Since 1904, Bryant has been rolling with the changes, taking every new challenge as an opportunity to deliver better comfort solutions for homeowners across North America. Today, our gas furnace line has been re-designed specifically to meet the Department of Energy's (DOE) new Fan Energy Rating (FER) guidelines designed to reduce consumption of electricity by gas furnaces.

How Do the New FER Standards Affect You?



ENHANCED COMFORT

- Depending upon the model, Bryant's redesigned gas furnaces offer a number of comfort-enhancing technologies including variable-speed airflow



MONEY-SAVING EFFICIENCY

- The DOE estimates that FER-compliant furnaces can save consumers between \$300 and \$500 on average over the life of the furnace*
- FER-compliant furnaces decrease electricity consumption by up to 46% compared to current models using PSC blower motors**
- Because most gas furnace fans operate year-round as part of your cooling system, you could see electrical savings all year long
- The DOE estimates Americans might save more than \$9 billion in home electricity bills by 2030**



REDUCED CARBON FOOTPRINT

- The DOE estimates that FER-compliant furnaces will help reduce harmful carbon pollution by up to 34 million metric tons – equivalent to the annual electricity use of 4.7 million homes through the year 2030**

* See Table 1.2-Impacts of Energy Conservation Standards on Consumers of Residential Furnace Fans, <https://www.federalregister.gov/documents/2014/07/03/2014-15387/energy-conservation-program-for-consumer-products-energy-conservation-standards-for-residential>
** <https://www.energy.gov/articles/new-energy-efficiency-standards-furnace-fans-reduce-carbon-pollution-help-americans-save>

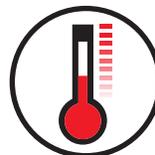
Which Furnace Is Right for You?

Understanding how different gas furnaces manage efficiency and comfort can go a long way toward making your decision.



ENERGY MANAGEMENT: Compare AFUE* ratings to see which furnaces operate most efficiently. The AFUE rating tells you what percentage of the gas is converted into heat for your home – the higher the better. With a 98% AFUE furnace, up to 98 cents of every dollar you spend on gas goes toward heating your home.

*Annual Fuel Utilization Efficiency



COMFORT MANAGEMENT:

Comfort “stages” affect consistency of indoor temperatures. A single-stage furnace is the most basic model that offers on and off airflow; two-stage models offer high- and low-stage heating as conditions require; and, modulating furnaces offer multiple stages for more precise temperature control and more consistent comfort.



AIRFLOW MANAGEMENT: The “blower” or fan in your furnace typically circulates air through the house all year long. With the energy saving motors of FER-compliant furnaces, you'll get more economical air filtration capabilities compared to previous PSC furnaces.



HUMIDITY MANAGEMENT:

To help cool your home, your air conditioner pulls heat and humidity out of indoor air, using the furnace blower to provide air circulation. A variable-speed furnace provides better humidity control because it operates on lower speeds for longer times. As a result, it spends more time pulling humidity out of the air than fixed-speed models.

The Choice Is Yours

Bryant offers a full lineup of furnaces across three performance tiers with a variety of patented, comfort-enhancing technologies. Your dealer can help you select the model that works best for you and your home.

EVOLUTION[®] SYSTEM



ENERGY MANAGEMENT

- Our highest efficiency models, up to 98.3% AFUE

COMFORT MANAGEMENT

- Modulating heating stages for more precise comfort to match conditions
- Two stages of heating (high and low) for consistent temperature control
- Perfect Heat[®] technology manages heating stages for more consistent comfort

AIRFLOW MANAGEMENT

- Variable-speed constant airflow for quiet, even comfort
- Fan On *Plus*[™] technology* for continuous fan speed selection

HUMIDITY MANAGEMENT

- Perfect Humidity[®] *Plus* technology for exceptional summertime humidity control**
- SmartEvap[™] technology adds a second line of defense against indoor humidity

Preferred[™] SERIES



ENERGY MANAGEMENT

- Up to 96.5% AFUE

COMFORT MANAGEMENT

- Perfect Heat[®] technology for consistent comfort
- Two stages of heating (high and low) for consistent temperature control
- Single-stage models for basic temperature and comfort management

AIRFLOW MANAGEMENT

- Variable-speed constant torque for quiet, even comfort
- Fan On *Plus*[™] technology* for continuous fan speed selection

HUMIDITY MANAGEMENT

- Perfect Humidity[®] technology for summertime humidity control**
- SmartEvap[™] technology adds a second line of defense against indoor humidity

LEGACY[™] LINE



ENERGY MANAGEMENT

- Efficient heating with up to 96.2% AFUE
- PerfectLight[™] hot surface igniter eliminates gas-wasting pilot light

COMFORT MANAGEMENT

- Single-stage models for basic temperature and comfort management

AIRFLOW MANAGEMENT

- Fixed-speeds constant torque for basic air management
- Fan On *Plus*[™] technology* for continuous fan speed selection

HUMIDITY MANAGEMENT

- SmartEvap[™] technology adds a second line of defense against indoor humidity

*with a compatible control

**when combined with specific air conditioner or heat pump model

Pick Your Performance

As a key part of your year-round comfort system, Bryant® gas furnaces deliver comfort and efficiency, and have been redesigned for reduced electrical consumption and carbon emissions, in three distinct performance tiers:

	EVOLUTION[®] SYSTEM	Preferred[™] SERIES	LEGACY[™] LINE
Fan On Plus[™] Technology^{**}	✓	✓	✓
Humidity Control	Perfect Humidity [®] Plus	Perfect Humidity [®]	✗
SmartEvap[™]	✓	✓	✓
Stage Type	Modulating/Two-Stage	Two-Stage/Single-Stage	Single-Stage
Fan Motor	Variable-Speed Constant Airflow (VCA ECM)	Variable-Speed Constant Torque (VCT ECM)	Fixed-Speeds Constant Torque (FCT ECM)
Perfect Heat[®]	✓	✓	✗
AFUE Rating	80% - 90%	80% - 90%	80% - 90%
Recommended System Control	Evolution [®] Connex [™] Control	Communicating Wi-Fi [®] Control	✗

**Fan On Plus™ technology controls fan speeds for customized comfort, even when the system is not actively heating or cooling.

Wi-Fi® is a registered trademark of Wi-Fi Alliance Corporation.

Putting It All Together

Your Bryant dealer will recommend a system to meet your home-comfort needs and local weather environment.

- Evolution[®] Air Conditioner** provides reliable, high-efficiency cooling for long-lasting comfort and energy savings.
- Evolution[®] Gas Furnace** provides reliable, high-efficiency heating for long-lasting comfort and energy savings.
- Evolution[®] Connex[™] Control** allows more precise temperature and humidity control along with programmable features to further customize your comfort.
- Zoning** sets different temperatures for up to eight different areas of your home for truly customized comfort and possible utility savings.
- Evolution[®] Air Purifier** improves air quality by capturing and killing select airborne bacteria and viruses and other irritating airborne pollutants in your home.†
- Humidifier** replenishes moisture to dry air.
- UV Lamp** helps inhibit the growth of contaminants on the evaporator coil, leaving your home with fresher indoor air.
- Ventilator** combines fresh outdoor air with conditioned indoor air for improved air quality – great for today's tightly constructed home.
- Evaporator Coil** is matched with the proper outdoor unit to provide even more cooling efficiency and years of reliable service.



Bryant® systems are designed to meet not only existing federal standards for efficiency and safety, but also the new Fan Energy Rating criteria for reducing electrical usage and cutting down on carbon emissions.



Visit our website at Bryant.com

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