



# The Plus 80t™ Gas Furnace with Perfect Heat™

MODEL 312 Multi-Poise



*Preferred*™  
SERIES

# One Furnace, Two Heating



## Preferred Quality Since 1904

For more than a century, Bryant® has been the preferred choice of homeowners interested in soothing, indoor comfort. Through the commitment and dedication of our product development and manufacturing teams, we have consistently met every new challenge head-on, delivering the products to meet or exceed expectations. Today, as consumers demand high-tech solutions for everyday needs, Bryant proudly offers a sophisticated furnace that delivers exceptional comfort: the Plus 80t™.

The Bryant Plus 80t provides extra quiet, soothing warmth winter after winter. It delivers the enhanced performance of Perfect Heat™ technology with adaptive control. And, it keeps working to deliver comfort all year long as a part of your complete heating and cooling system.



Designed, built and backed by the most trusted name in the business, and installed by your trusted and professional Bryant dealer, the Plus 80t provides the comfort and efficiency you and your family deserve.

## The Perfect Way to Enjoy Winter

Bryant's Plus 80t™ delivers the enhanced comfort you'll enjoy all winter long with two heating stages and the ability to adapt to changing conditions. That's the power of Perfect Heat™ technology with adaptive control. This function allows your furnace to operate on low-heat most of the time to quietly, efficiently and consistently maintain your preferred temperature setting. As conditions change, your furnace automatically knows when it's time to switch to high-heat for additional comfort.

### Enhanced comfort

The Plus 80t improves comfort all year long through Bryant's Fan On *Plus*™ technology. Fan On *Plus* technology lets you select from three different continuous fan speeds at the thermostat which not only controls temperature, but helps distribute heat evenly throughout your home as well. And, with continuous fan operation, you'll enjoy cleaner air as well by constantly drawing air through your system's filter.

## Quiet, Consistent Comfort

The Plus 80t™ takes the bite out of winter's chill while maintaining a quiet, relaxed home atmosphere. This furnace operates at very low speed much of the time, meaning fewer start-up cycles, and extremely quiet delivery of heated air. And, because it adapts to conditions and offers two heating stages, it maintains a more consistent room-to-room temperature throughout your home with fewer up and down temperature swings than a standard system.

In addition, Bryant's Plus 80t delivers the peace of mind that comes with choosing a system designed, built and backed by a company committed to customer satisfaction. From initial design through product testing and an assembly process that includes thorough reliability testing procedures, we go beyond the industry's expectations for quality to be sure that every unit we make measures up to even tougher standards – yours.

# ing Stages, Total Comfort.



## Warranty

To the original owner, the Bryant Plus 80t model 312 gas furnace is covered by a 10-year parts and 20-year heat exchanger limited warranty upon timely registration of your new equipment.\* Ask your Bryant dealer about optional extended warranties, which may include labor.

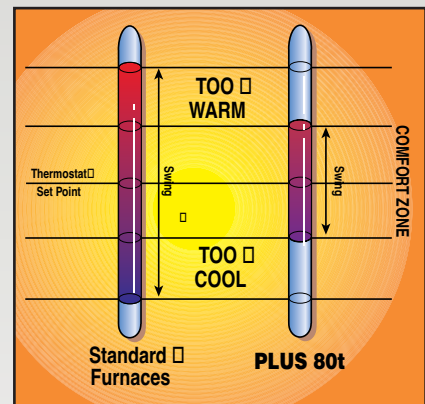
\*Warranty period is 5-years if not registered within 90 days. Jurisdictions where warranty restrictions are not allowed will automatically receive a 10-year parts limited warranty. See warranty certificate at [bryant.com](http://bryant.com) for complete details.

## Performance



## Breathe Easier with Improved Air Quality

One side benefit of the Plus 80t's two-stage heating is the improved indoor air quality it can provide. 40% longer heating cycles draw air through your system's filter more frequently than standard furnaces leaving the air in your home cleaner. And, when you add a higher efficiency Bryant air filter, your system will do an even better job of cleaning the air.



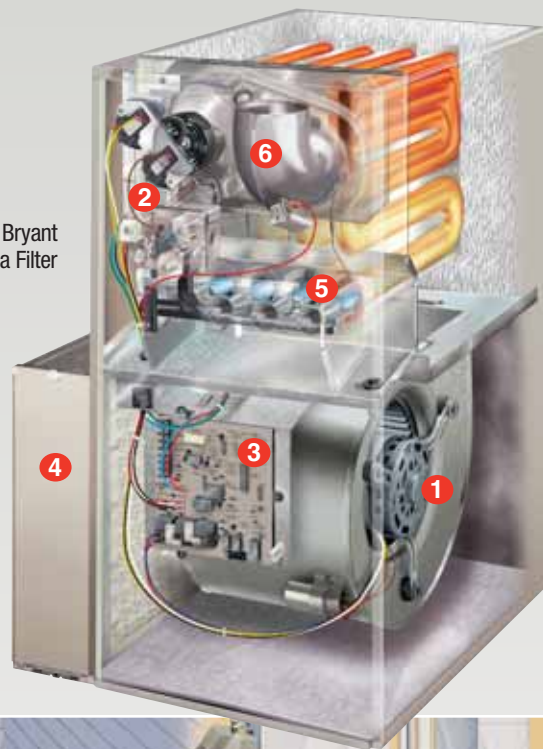
*Add our patented Thermidistat™ Control and you'll enjoy consistent humidity control all year long as well. As a part of your cooling system, the Plus 80t™ kicks into high gear as humidity rises to remove excess moisture. For even greater humidity control, our SmartEvap™ function helps reduce humidity an additional 10% over a standard system.*



## Home Comfort Components

- 1 SMOOTH, CONSISTENT AIRFLOW**  
throughout the home starts with our multi-speed blower. This direct-drive motor provides about 40% longer airflow cycles to help keep temperatures consistent from room to room.
- 2 EFFICIENCY AND COMFORT**  
Two-stage gas valve automatically adjusts between low- and high-stage heating for consistent, efficient comfort.
- 3 INTELLIGENT OPERATION**  
Our patented furnace control board does the thinking for you so your family will always enjoy comfort and economy. Just set the thermostat and let our "smart" electronics do the rest. This advanced control is the key to Fan On *Plus*<sup>™</sup>, Technology Bryant's adjustable constant fan function.
- 4 IMPROVED INDOOR AIR QUALITY**  
Our optional air cleaner cabinet helps enhance the quality of your indoor air. When installed as a part of your system, this cabinet allows the easy and convenient addition of a Bryant high-efficiency air filter.
- 5 EXTRA-QUIET OPERATION**  
Low heat operation, along with reductions in burner noise, inducer noise and fan noise all contribute to quieter operation.
- 6 ADDED SAFETY**  
Our exclusive Blocked Vent Safeguard<sup>™</sup> protection means this furnace shuts down if a common vent is obstructed, keeping potentially harmful flue gases away from your living areas.

Model 312  
shown with optional Bryant  
High-Efficiency Media Filter  
— sold separately



Air Conditioner and Gas Furnace System

**bryant**

**WHATEVER  
IT TAKES<sup>SM</sup>**

Heating & Cooling Systems

A Member of the United Technologies Corporation Family.  
Stock Symbol UTX.

01-8312-300-25

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Visit our website at [www.bryant.com](http://www.bryant.com)



Before purchasing this appliance, please read the important energy cost and efficiency information available from your dealer.

Manufacturer reserves the right to discontinue, or change, at any time, specifications or designs without notice and without incurring obligations.



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