



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

MODEL 312 Multi-Poise



Preferred™
SERIES

One Furnace, Two Heating



Preferred Quality Since 1904

For more than a century, Bryant has been a 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™ gas furnace.

The Bryant® Plus 80t gas furnace 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 gas furnace provides the comfort and efficiency you and your family deserve.

The Perfect Way to Enjoy Winter

Bryant's Plus 80t™ gas furnace 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 gas furnace and a compatible Bryant thermostat improve 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™ gas furnace takes the bite out of winter's chill while maintaining a quiet, relaxed home atmosphere. This furnace operates at 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 gas furnace 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



Peace of Mind

Having a great warranty helps you enjoy your comfort with confidence. Bryant builds trusted reliability into every product, then provides additional peace-of-mind with excellent warranty protection.

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.



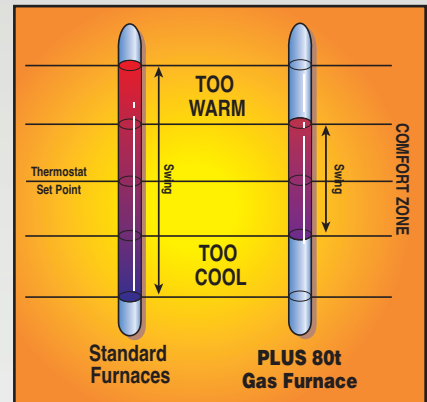
*Warranty period is 5-years if not registered within 90 days. Jurisdictions where warranty benefits cannot be conditioned on registration will automatically receive a 10-year parts limited warranty. See warranty certificate at bryant.com for complete details.

Performance



Enjoy Improved Air Quality

One side benefit of the Plus 80t gas furnace's two-stage heating is the improved indoor air quality it can provide over single-speed furnaces. Its 40% longer heating cycles draw air through your system's filter more frequently than standard furnaces without continuous fan. The result is cleaner air throughout your home. 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 during the cooling season as well. As a part of your cooling system, the Plus 80t™ gas furnace 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 compatible thermostat and let our "smart" electronics do the rest. This advanced control is the key to Fan On *Plus*™ technology, Bryant's adjustable constant fan function.
- 4 EXTRA-QUIET OPERATION**
Low heat operation, along with reductions in burner noise, inducer noise and fan noise all contribute to quieter operation.
- 5 ADDED SAFETY**
Our exclusive Blocked Vent Safeguard™ protection means this furnace shuts down if a common vent is obstructed, keeping potentially harmful flue gases away from your living areas.
- 6 IMPROVED SERVICEABILITY**
1/4-turn door latch(es), a convenient pull-out blower assembly, enhanced sight glass and a brighter LED make this unit easier for your dealer to access, diagnose and maintain for years of trouble-free operation.
- 7 MINIMAL AIR LEAKAGE**
Our tightly sealed blower cabinet meets strict air leakage standards required in some areas of the country. Ask your dealer about rebates in your area.

Model 312



Air Conditioner and Gas Furnace System

bryant **WHATEVER IT TAKES**

Heating & Cooling Systems

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

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Visit our website at 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.



ENERGUIDE	
Annual Fuel Utilization Efficiency - AFUE	
THIS MODEL (80%)	
MID	HIGH
78% 82%	88% 97%