



# The Plus 80v™ Gas Furnace with Perfect Heat® and Perfect Humidity® Technology

MODEL 315 MULTI-POISE



**EVOLUTION™**  
SYSTEM



## Prior to Your Purchase

Bryant has a history of doing whatever it takes to deliver trusted quality, comfort and value to millions of homeowners nationwide. The Plus 80v™ gas furnace with Perfect Heat® and Perfect Humidity® technology offers the industry's most comfortable indoor environment available with efficient, money-saving operation.

### Efficiency

- 80% AFUE (Annual Fuel Utilization Efficiency), variable speed with adaptive control, enhanced humidity control and improved air management all contribute to this unit's ability to conserve energy.

### Comfort

- It starts with the Evolution® System then continues with our exclusive comfort-enhancing Perfect Heat and Perfect Humidity functions and Fan On Plus™ technology. The Plus 80v gas furnace combines all of Bryant's most sophisticated comfort technology to elevate your home's environment.

## Indoor Air Quality Option Checklist

- |   |  |
|---|--|
| <input type="checkbox"/> Air Cleaners     | <input type="checkbox"/> Fan Coils                     |
| <input type="checkbox"/> Evaporator Coils | <input type="checkbox"/> Evolution® System Control     |
| <input type="checkbox"/> Humidifiers      | <input type="checkbox"/> Evolution® Zoning System      |
| <input type="checkbox"/> Ventilators      | <input type="checkbox"/> Ultraviolet Germicidal Lights |



# Perfect Heat<sup>®</sup> and Perfect

## Redefining Comfort Since 1904

Starting with a simple gas valve in 1904, Bryant has spent more than a century re-defining comfort for American homeowners. Through the commitment and dedication of our product development and manufacturing teams, we have consistently met every new challenge head-on and delivered the products to meet or exceed expectations. Today, as homeowners demand more performance from the products they choose, Bryant proudly offers a gas furnace that delivers on the promise of superior comfort - the Plus 80v<sup>™</sup> gas furnace with Perfect Heat<sup>®</sup> and Perfect Humidity<sup>®</sup> technology.

The Bryant Plus 80v gas furnace helps you forget the snow, ice and frigid temperatures of winter with quiet, luxurious comfort. It offers even, comfortable heating. More than just a furnace, it's the primary building block for a complete, year-round home comfort system.



For instance, when paired with an air conditioner and the Bryant Evolution<sup>®</sup> control, you can enjoy the benefit of dehumidification during the cooling season. Designed, built and backed by the most trusted name in the business, and installed by your trusted and professional Bryant dealer, the Plus 80v gas furnace with Perfect Heat and Perfect Humidity technology is a truly exceptional choice for warm, winter comfort.

## Experience the Difference

When you experience the comfort of the Plus 80v<sup>™</sup> gas furnace, you'll never be satisfied with a standard furnace again. The difference is Perfect Heat technology, a function that delivers even, consistent flow of heated air, more consistent room-to-room temperatures with fewer hot and cold spots, improved air quality, and extremely quiet operation. As conditions change, Bryant's intelligent control adjusts system operation to maintain the best possible combination of comfort and energy efficiency. And, for even greater comfort and savings, we recommend including a Bryant two-stage heat pump and our unique Evolution<sup>®</sup> control to create a Bryant HYBRID HEAT<sup>®</sup> Dual Fuel System.

### Critical comfort control

As a part of a complete system, the Plus 80v gas furnace improves comfort all year long with Perfect Humidity technology. Perfect Humidity technology enhances your comfort with more moisture removal than standard systems during cooling operation. That's not only important for those extra hot and sticky summer days, it's important EVERY day you want to enjoy comfort with reduced energy usage. For added comfort, Fan On Plus<sup>™</sup> lets you select from three continuous fan speeds with a compatible thermostat.

## Variable Speed, Constant Comfort

Variable speed is one of the keys to the enhanced comfort you'll enjoy with the Plus 80v<sup>™</sup> gas furnace. It's also the key to extremely quiet performance. Compared to a standard furnace, this model operates nearly continuously at a very low speed. That means fewer start up cycles and extremely quiet delivery of heated air. In addition, Bryant's Plus 80v gas furnace delivers the peace of mind that comes

with choosing a system 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.



# Humidity® Technology for Perfect Comfort

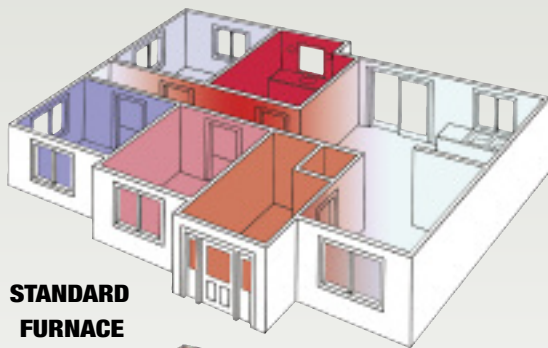


## Limited Warranty

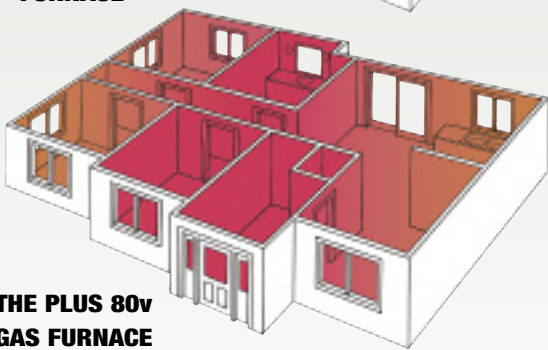
To the original owner, the Bryant Plus 80v model 315 gas furnace is covered by a 10-year limited parts and 20-year heat exchanger limited warranty upon timely registration of your new equipment.\* Ask your Bryant dealer about optional warranties, which include labor.

\*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](http://bryant.com) for complete details.

## Performance



**STANDARD FURNACE**



**THE PLUS 80v GAS FURNACE**

*The Plus 80v™ gas furnace, with gentle and steady year-round fan operation, keeps temperatures more consistent from room to room than standard systems, which can cause uneven pockets of hot and cold air.*

## NIGHT TIME COMFORT



*During warm months, humidity can build up during the night when there is little need for cooling. That leaves you uncomfortable by morning. A Perfect Humidity® System from Bryant, including an air conditioner and compatible thermostat, constantly controls both temperature and humidity for around the clock comfort.*



## The Evolution of Comfort

Bryant is at the forefront of a comfort revolution with its exclusive Evolution® System. This system combines the Plus 80v™ gas furnace with our sleek, sophisticated Evolution™ control and the recommended Bryant two-stage outdoor unit to put more comfort, power and ease-of-use at your fingertips. Full, seven-day programmability allows precise temperature control that matches your living schedule. Intelligent electronics track system operation and identifies the very best combination of comfort and energy-saving operation. Accessory and system monitors provide text-based messages on the large LED screen letting you know when it's time for a filter change, routine maintenance and more. And, optional remote connectivity lets you monitor, change and control the system anywhere you have Internet, phone, or cell phone access.

Simple, intuitive and powerful, the Evolution System truly sets a new standard for excellence in home comfort.



***The optional Evolution® control is much more than just a thermostat. It allows you to take charge of your year-round comfort system.***



**EVOLUTION™**  
**SYSTEM**



# Home Comfort Components

- 1 QUIET, NEARLY CONTINUOUS COMFORT**  
Direct-drive variable speed blower motor operates at the precise speed needed to deliver quiet, dependable heating and improved humidity control with 40% longer heating cycles at 60% less energy use in addition to lower sound than single-speed blowers.
- 2 EFFICIENCY AND COMFORT**  
Two-stage gas valve with two stages of heating operates up to 90% of the time on low-stage heating for smooth, efficient comfort. High-stage operation provides a boost in comfort during more extreme winter conditions.
- 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™ 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 standards in your area.

Model 315



Air Conditioner and Gas Furnace System (Plus 90i shown)



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](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.



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