



PRODUCT BULLETIN

Residential and Light Commercial Systems

Date: 3/12/02

Subject: Introducing the *NEW*
Bryant Plus 80 Family of Gas Furnaces

Dept: RLCS Marketing

Number: BY-103-02-18

Product Model Numbers
**315AAV/JAV, 312AAV/JAV,
311AAV/JAV, 310AAV/JAV**

Author: Tim Perry/
John Gibbons

Announcing the New Plus 80 Gas Furnace Line!



Dealers help Bryant:

Since 1998, Bryant dealers have been involved with the design of the New Plus 80 Gas Furnace Line. And since November of 2000, nearly 100 units have been installed in the homes of 80 different dealers and distributors, all across the country, in all 4 positions, in every type of location within the home, both propane and natural gas, and in a variety of altitudes. The result: **a new product that is already tried and true.**



Bryant Dealers and Distributor members of the "Partners in Development" panel for Heating Products.

Homeowner Benefits

Quiet Operation

This New Plus 80™ Gas Furnace Line was designed with the homeowner in mind. This product is *quieter than any 80% furnace we've tested!* Bryant and its dealers know how important "quiet" is to the homeowner, and we've taken great steps in the design to make quiet happen.

Improved Comfort

This New Plus 80 Gas Furnace Line features controls that provide more humidity removal. The New Plus 80v™ makes Perfect Humidity even better, with **Super-dehumidification**, a feature that delivers increased dehumidification by simply delivering the correct cfm/ton, making homeowners more comfortable at even higher temperatures!

The New Plus 80 and Plus 80t™ have also made strides to keep humidity in check. If dehumidification is called for, the Plus 80t delivers high heat speed airflow. And the Plus 80 operates on heating speed-airflow. Both products therefore provide greater humidity removal than their predecessors.

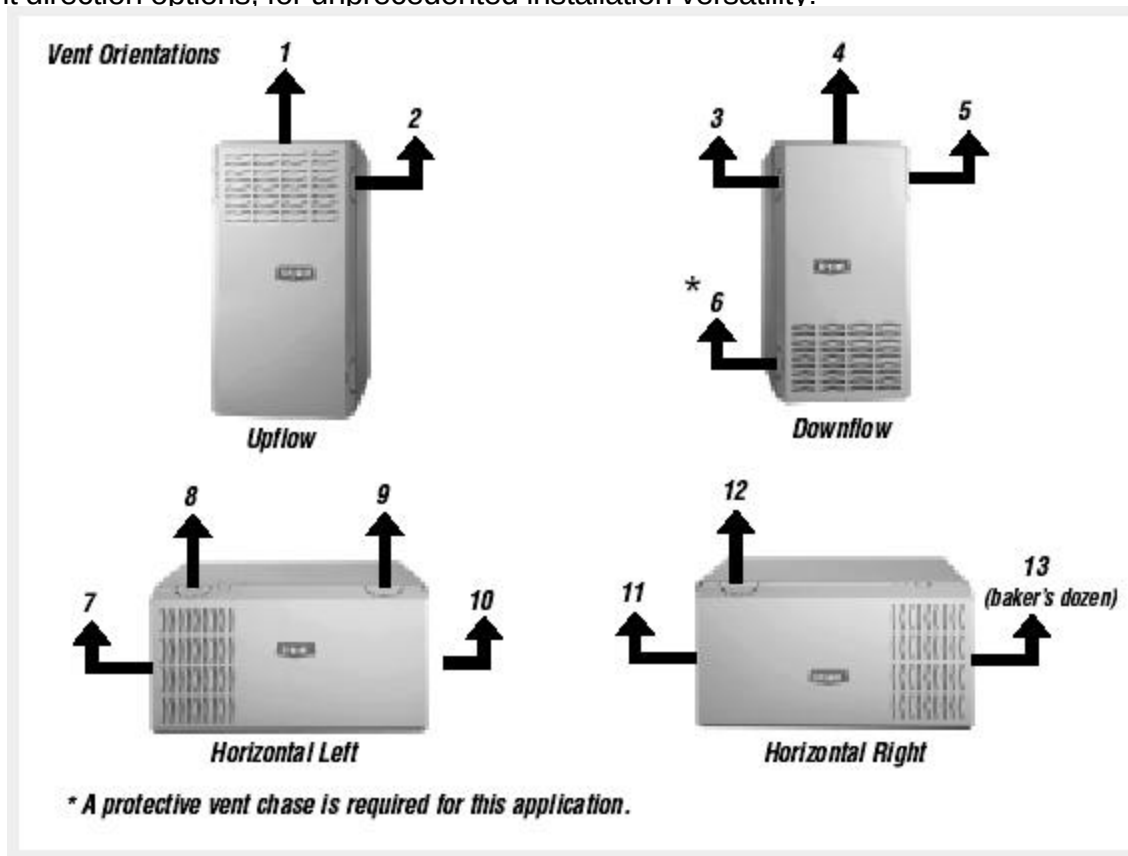
SmartEvap is another humidity control feature for the homeowner. This feature can lower the humidity level in a home by nearly 10%! The way it works: at the end of a cooling cycle, when used in conjunction with Bryant's exclusive Thermidstat Control, the furnace control alertly detects a recent call for dehumidification, and then acts to *eliminate the re-evaporation of condensate* off of the evaporator coil. SmartEvap is a feature of the Plus 80v, the Plus 80t, and the Plus 80.

Homeowners can also enjoy, quiet and comfortable performance during continuous fan mode, for increased Indoor Air Quality and more even temperatures throughout the home. Now, the Plus 80 has a lower continuous fan speed (lower than the factory-selected heating speed!). In addition, with a new feature known as **Fan On Plus**, Dealers and consumers can **choose the continuous fan speed from the thermostat!** Homeowners can use this feature as seasons change, and on occasions when family and friends congregate in their home, when more or less circulating air is desired. The way it works: Simply turn the fan switch to from "on" to "off" (or "auto"), and back to "on" within 1 to 3 seconds, and the furnace control directs the blower system to operate at the next higher continuous fan speed. Fan On Plus is a feature of the Plus 80v, the Plus 80t, and the Plus 80.

Dealer Benefits

Easier to Install

In addition to all of the homeowner benefits, dealers can take advantage of the *great installation versatility* of the New Plus 80 Gas Furnace Line. It's **4-way multipoise!** Multipoise means less hassle for the dealer when selecting or stocking the right furnace. However, 4-way multipoise is only half the story, because there are **13 ways to vent** the Plus 80 Gas Furnace line of products! Each of the four positions has between two and four vent direction options, for unprecedented installation versatility!



And it's compact (only 33 1/3" tall). Compact means easier to fit into tight spots, and **more room for IAQ** products and more furnace-friendly plenums with less pressure drop. Multipoise *and* compact means dealers can "call an audible" at the job site, and change installation orientation if they so choose.

It is so versatile, The New Plus 80 Gas Furnace Line actually has **60% more applications!** Additional applications include

- **More basic models:** 14 basic models instead of 12, including two brand new models with higher airflow for their heating size, and
- **More two-stage models:** All 14 sizes are available in single- and two-stage PSC versions, and
- **Downflow Variable Speed** in an 80% AFUE furnace!
- **Chimney Friendly**, and at 80% AFUE! In an application with a suitable clay- lined chimney, all that's required is the Chimney Adapter Kit

- **Twinning** in downflow and horizontal PSC motor applications!

The **Plus 80 controls offer additional features for easier installation**, such as “Intelligent Cooling”, whereby the furnace control can stage the Two Speed Puron Air Conditioner or Heat Pump, if the number of thermostat wires is limited. The furnace control uses our Bryant - patented adaptive Control to stage the outdoor unit. Now, dealers have another option when installing a Two Speed Puron unit with a Plus 80t or Plus 80v, and flexibility means less hassle! Use the Plus 80v with a Two-Speed Puron system for the best in comfort and efficiency.

Product	EAC Terminals	Humidifier Terminal	Dehumidification Function	Super Dehumidification	Adjustable Blower Off Delay	Shut-Off (see application)	Service Correction	Non-volatile Memory	Communication Port	Adjustable Con. Fan @ Stat	Low Constant Fan Speed	Very Low Constant Fan	Two Speed AC Compatible	Intelligent Heat Staging	Intelligent Cool Staging
Plus 80v	☐	☐	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	Bst	☒	☒
Plus 80t	☐	☐	☒	☐	☒	☒	☐	☐	☐	☒	☒	☐	*Btr	☒	☒
Plus 80	☐	☐	☒	☐	☒	☒	☐	☐	☐	☒	☒	☐	*G	☐	☐
Standard	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

☒ Deluxe/Premium Consumer Feature

☐ Dealer Feature

* Airflow may not be low enough for a given application. For assured proper airflow, use the Plus 80v

Easier to Service

Short can mean harder to work on, but this New Plus 80 Gas Furnace Line is **easier to service!** The innovative “**deep door**” design means the controls and components are accessible, so service technicians don’t need to “reach” into the furnace.

The controls on the New Plus 80 Gas Furnace Line also take the hassle out of a dealer’s business, with **fault code memory recall** (on all but the standard product), even after power has been removed. We also continue to feature the self-diagnostic tests, which simplifies troubleshooting.

Easier to Count on

Dealers themselves have directed the design of The New Plus 80 Gas Furnace Line through the **Partners in Development** program. Since 1998, dealers have been involved.

From the design stages that are known for rough concepts and crude prototype, through the many design iterations, PID dealers were influencing and advising the design team at every turn. The final design details suggested by PID dealers are numerous and significant!

In addition to the PID panel, **furnaces have been operating** in the homes of PID panel members, as well as other dealers, **since November of 2000**. Approximately 80 dealers participated in this field trial. The locations include an extensive variety of

- Locations throughout the US (California, Texas, Georgia, Wisconsin, Pennsylvania, etc.)
- Installation orientations (Upflow, downflow, horizontal left and right),
- Locations within the home (attics, garages, basements, utility rooms, crawl spaces, closets),
- Fuel types,
- Altitudes,
- And combinations thereof.



Distributor Benefits

In addition to all of the “pull” from the homeowners and dealers, distributors can enjoy the **40% fewer SKUs** for reduced pressure on your warehouse and inventory. There is no more dedicated upflow or dedicated downflow/horizontal –the New Plus 80 Gas Furnace Line is all 4-way multipoise! Also, no more *specific* Chimney-Friendly product, i.e. 393AAV –the entire Plus 80 product line *is* Chimney Friendly!

In addition, these furnaces can fit **three high in a semi trailer** for improved shipping, handling and storage efficiency.

Phase Out:

Existing Product Line	Last Call*	Last CRSD
331, 333JAV 373, 376 393 All Project Furnaces	April 15, 2002	May 24, 2002
330, 333BAV	May 10, 2002	June 14, 2002
383, 395	May 24, 2002	June 28, 2002

*Last Call for guaranteed delivery date before July 15. However, our best effort will be made to fill orders that arrive after that date. See below.

Phase In:

	First Order	First CRSD
315AAV/JAV 2-Stage, Variable 312AAV/JAV 2-Stage, Multi Speed 311AAV/JAV Deluxe Single Stage 310AAV/JAV Standard (All sizes EXCEPT those listed below)	July 1, 2002 (But not before existing product stock is exhausted)	July 15, 2002
Sizes 048070 and 060090	Sep 3, 2002	Sep 18, 2002

General Information

- Best efforts will be made to meet orders that arrive after Last Call dates
 - Cannot guarantee if old or new model will ship after "Last Call" dates
 - After "Last Call" dates, no guaranteed CPSD until July 15
 - However, we will make best effort to fill order before that date
 - Customer Service will assist in locating excess stock in distributor inventory, if required
- New furnace models will ship after stock of current model is depleted
 - All new models will have DNU codes until equivalent previous model is depleted
 - Customer Service will automatically make substitutions if old model is ordered and has been depleted
- Make sure to order all project furnaces (those that MUST match) by April 15**

Cross Reference Table

Cross Reference	Old Model	New Model
Plus 80v	333BAV 333JAV	315AAV 315JAV
Plus 80t	330AAV, 330JAV 331AAV, 331JAV	312AAV 312JAV
Plus 80	395CAV, 376CAV, 393AAV	311AAV 311JAV
Standard 80	383KAV, 373LAV	310AAV 310JAV

List of Accessories

Description	Kit #	New or Existing
Natural-to Propane Kit	KGANP2901ALL	New
Propane-to-Natural Kit	KGAPN2301ALL	New
Twinning Kit	KGATW0601HSI	New (not permitted on ECM models)
Vent Extension Kit	KGAVE0101DNH	New
Downflow Vent Guard	KGAVG0101DFG	New
Chimney Adapter Kit 4"	KGACA02014FC	New
Chimney Adapter Kit 5"	KGACA02015FC	New
Exterior Filter Rack 1"	KGAFR0301ALL	New
Combustible Floor Base	KGASB0201ALL	Existing
High Alt Press Switch Kit	KGAHA5801PSW	New (for use on 2-stage and ECM models - low-fire switch only)
16x25 Unframed Filter	KGAWF1301UFR	Existing
16x25 Unframed Filter (6 pack)	KGAWF1306UFR	Existing
20x25 Unframed Filter	KGAWF1401UFR	Existing
20x25 Unframed Filter (6 pack)	KGAWF1406UFR	Existing
24x25 Unframed Filter	KGAWF1501UFR	Existing
24x25 Unframed Filter (6 pack)	KGAWF1506UFR	Existing
Gas Orifice Kit	KGAHA0150N42	Existing
Gas Orifice Kit	KGAHA0250N43	Existing
Gas Orifice Kit	KGAHA0350N44	Existing
Gas Orifice Kit	KGAHA0450N45	Existing
Gas Orifice Kit	KGAHA0550N46	Existing
Gas Orifice Kit	KGAHA0650P54	Existing
Gas Orifice Kit	KGAHA0750P55	Existing
Gas Orifice Kit	KGAHA0850P56	Existing
Gas Orifice Kit	KGAHA5750125	Existing
Gas Orifice Kit	KGAHA5750130	New
Exp Media Filter 16"	EXPXXUNV0016	Existing (9 pack)
Exp Media Filter 20"	EXPXXUNV0020	Existing (9 pack)
Exp Media Filter 24"	EXPXXUNV0024	Existing (6 pack)
E-Z Flex Exp Media 16"	EXPXXFIL0016	Existing (10 pack)
E-Z Flex Exp Media 20"	EXPXXFIL0020	Existing (10 pack)
E-Z Flex Exp Media 24"	EXPXXFIL0024	Existing (10 pack)
Media Filter Cab 16"	FILCABBS0016-A--	New
Media Filter Cab 20"	FILCABBS0020-A--	New
Media Filter Cab 24"	FILCABBS0024-A--	New

Note: A comprehensive list of all accessories for this platform and the current 90s will be published in Phase in/Phase out on HVACPartners ("Product" tab, "New Plus 80 Gas Furnace Line" page).

Sales Tools

Item	First Available Date	Catalog #
White Paper	Now	8110-216
Sales and Marketing Guide	Now	8110-217
Banner (as seen on page 1)	Mar 15	BR260053
Consumer Brochures	May 15	TBA
Dealer Training Package*	May 15	TBA

*Dealer Training Package to include Installation Instructions, consumer brochures, Product Data, etc.

Units for Dealer Training

We are working hard to make available to you pre-pilot units, in the early- to mid-May time frame. These units will be suitable only for training purposes, and will not be acceptable for installation. Please refer to HVACPartners, Product Tab, for updates.

Pricing

Pricing will be available by Mar 29th, 2002

We'll Keep You Up To Date

This announcement is only the beginning! For the latest information as it becomes available, please click on the dedicated page for the New Plus 80 Gas Furnace Line, on HVACPartners.com (accessed via the "Product tab"). The following will be posted starting March 25th, 2000:

- Product Announcement (PDF)
- PowerPoint files
 - o Service Training
 - o Sales Training
 - o Product Teaser
- Prelim. Price Pages (PDF)
- Prelim. Fact Sheet (PDF)
- Cross-reference current-to-new products table (PDF)
- White Paper (PDF)
- Critical Parts List (PDF)
- Parts Manager Bulletin (PDF)
- Sales Tools Index
- Consumer Brochure (PDF)
- Sales & Marketing Guide (PDF)
- PIPO (PDF)
- Dealer Testimonial

Conclusion

The New Plus 80 Gas Furnace line, designed and proven by Bryant dealers, is all new, very clever, versatile and feature packed. Take it from Kurt Dodge, a Bryant PID dealer from Milwaukee WI;

“It’s probably going to set some standards in the industry for what furnaces are going to look like from everybody else.”

Best regards,

Tim Perry
Sr. Product Manager
Residential Heating Products

John Gibbons
Director, Brand Marketing
Bryant Heating and Cooling Systems