

# 80% enhanced

High-Efficiency Variable Speed Oil Furnaces



Smooth and even heat when  
you need it most.

# Experience the reliable warmth of Enhanced 80V oil furnaces.

The legendary performance of oil furnaces reaches new heights with Armstrong Air™ high-efficiency variable speed products. Enhanced 80V oil furnaces provide complete comfort and reliable service year after year as well as offer exceptional heat distribution and quiet operation. And they work with your central air conditioning system for improved efficiency and improved humidity control.



- Up to 83.0% efficient
- Lifetime limited warranty – heat exchanger\*
- 10-year limited warranty – parts\*\*

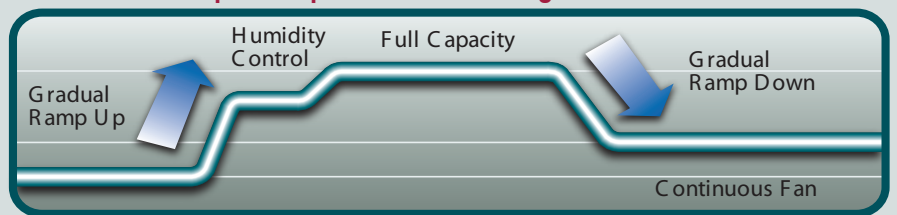
## Variable speed achieves a higher level of comfort.

With an **ultra-low continuous fan speed** and the ability to maintain proper air flow by automatically adjusting to environmental conditions, the Enhanced 80V oil furnace **creates even temperatures and consistent comfort** throughout the home. When coupled with a central cooling system, the Enhanced 80V boosts cooling performance while **increasing system humidity control**.

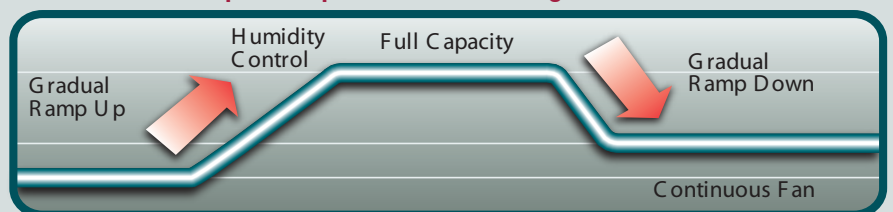
*The slow, quiet, blower ramp-up ensures greater energy efficiency and provides improved humidity reduction with automatic "passive dehumidification" during the cooling season. In addition, a quiet and efficient ultra-low continuous fan speed helps maintain an even temperature year-round throughout the home.*

*The slow, quiet, blower ramp-up and ramp-down in heating assure the air is preheated before it leaves the registers. In addition, the slow, quiet, ramp-down helps extract as much energy as possible from each heating cycle.*

## Variable Blower Speed Operation—Cooling

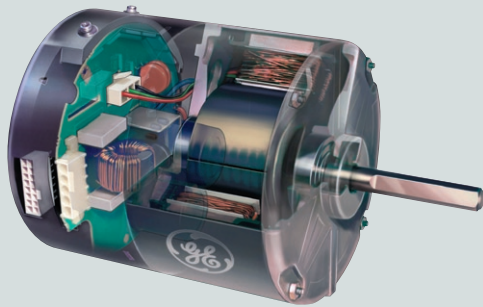


## Variable Blower Speed Operation—Heating



\* Lifetime limited heat exchanger warranty applies to registered equipment only (Standard 20 years with no online registration). See full warranty at [www.alliedair.com](http://www.alliedair.com) for terms, conditions and exclusions.

\*\* Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty). Warranty must be registered online within 60 days of installation to qualify for 10-year coverage. Unregistered equipment defaults to 5-year coverage. See full warranty at [www.alliedair.com](http://www.alliedair.com) for terms, conditions and exclusions.



### Comfort you can feel, not hear.

The Enhanced 80V oil furnace packs plenty of power, but is designed to do its job quietly. The **variable speed GE ECM™ blower motor reduces operating sound** by slowly ramping up and down. The **foil-faced, insulated cabinet and ceramic combustion chamber** also help keep sound to a minimum.

### Power Savings Chart

#### GE ECM Variable Speed Motor



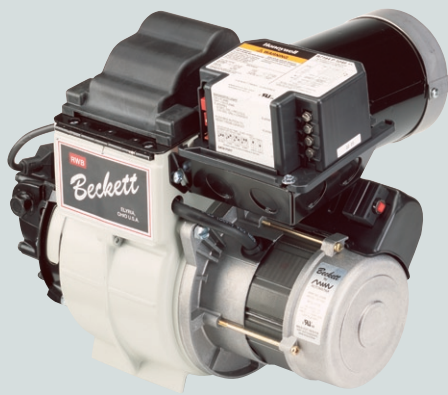
#### Conventional PSC Blower Motor



On continuous fan, the GE ECM variable speed motor will use approximately 75 watts of power compared to a conventional PSC blower motor that can use over 400 watts.

### Efficient operation that pays off.

The **ultra-low continuous fan mode**, using the GE ECM blower motor, operates at a **lower cost than traditional blower technologies**. This allows year-round operation of indoor air quality accessories at a fraction of the cost compared to traditional PSC blower motors. Solid-state ignition and the efficient burner motor provide reliable operation with reduced energy consumption. **High-efficiency electrical components**, coupled with **AFUE ratings of up to 83.0%**, provide an enhanced comfort system that helps lower monthly utility bills.



### Customer-friendly features for reliable operation.

Enhanced 80V oil furnaces are equipped with **industry-leading Beckett burners**. Designed to promote **cleaner combustion**, Beckett burners also provide **self-diagnostic capabilities** and **high-performance features** such as solid-state ignition, PSC burner motor and Clean-Cut™ pump.

To ensure efficient, clean and quiet operation, **combustion chambers** are used throughout the Enhanced 80V line. Plus, each furnace is equipped with a **factory-supplied air filter assembly** that makes adding an indoor air quality system quick and simple.

If it's oil,  
We have it.

Armstrong Air™ oil furnaces offer a variety of solutions that are sure to fit any project or customer need. Choose from the most impressive selection in the industry with an expansive catalog of capacities, efficiencies and configurations. So, regardless of the environment, you can be confident there is an Armstrong Air oil solution that delivers the comfort customers expect.

### Highboy

- LUF80C57/72V12
- LUF80C84/95V14
- LUF80C112/125V20



### Lowboy front flue

- LBF80C84/95V14
- LBF80C112/125V20

### Lowboy rear flue

- LBR80C84/95V14
- LBR80C112/125V20

### Horizontal/Downflow

- LHF80C84/95V12
- LHR80C84/95V12



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[www.armstrongair.com](http://www.armstrongair.com)



All specifications and illustrations subject to change without notice and without incurring obligations.