

L83UFV,  
L83HFV/RV,  
L83BFV/RV

Variable-Speed  
Oil Furnaces



THE TECHNOLOGICAL ADVANTAGES OF VARIABLE-SPEED HEATING FROM THE EXPERTS AT ARMSTRONG AIR.®

# THE PROFESSIONAL'S CHOICE



  
The Professional's Choice



Professionals know that  
Armstrong Air<sup>®</sup> variable-  
speed oil furnaces are  
always a smart choice.

From their tough construction to their **consistent efficiency** in even the coldest weather, Armstrong Air variable-speed oil furnaces are built using **over 80 years** of expertise. That's why they continue to be the brand of choice for industry professionals across the country.

## Inside the design of Armstrong Air variable-speed oil furnaces:



### Dual-Fuel

The combination of an oil furnace and an electric heat pump pairs two energy sources for the perfect balance of energy efficiency and performance.

- **Clean Performance Technology:**  
*Solid-state ignition and a ceramic ring that seals the burner to the combustion chamber ensure all oil is used safely and efficiently in the combustion process. Fully burning all oil significantly slows the buildup of silt between routine maintenance and increases long-term operating efficiency.*
- **Clean-Cut Pump:**  
*Oil pump includes a mechanical shut-off to safely stop the flow of oil when the furnace turns off. Oil furnaces without a mechanical shut-off are likely to drip oil into the combustion chamber, causing odors from the oil and an increase of silt buildup within the heat exchanger. Dirty heat exchangers reduce heat exchange and overall efficiency of your system.*
- **GeniSys™ Advanced Burner Control:**  
*Precisely controls furnace performance while tracking operation and routine maintenance. This electronic control continuously monitors internal components for optimum performance and fault prevention.*
- **Heat Exchanger:**  
*Each heat exchanger is made with heavy-duty, 14-gauge steel and a high-temperature ceramic combustion chamber to ensure long life and safe operation.*
- **Variable-Speed Blower:**  
*By changing the speed of airflow during startup, your furnace can adjust humidity levels and create more even temperatures throughout your home, while enhancing efficiency and reducing operating noise.*
- **Insulated Cabinet:**  
*Prevents the loss of warm air while reducing operating noise.*

The advanced features of Armstrong Air oil furnaces work together to bring you:

#### CRAFTSMANSHIP

Armstrong Air variable-speed oil furnaces are built with **exceptional materials and attention to detail**, and include technological innovations like variable-speed blower motors, advanced burner controls and ceramic combustion chambers.

#### EFFICIENCY

Thanks to their variable-speed blowers, these oil furnaces can **deliver even, steady warmth** with efficiencies of up to 83% Annual Fuel Utilization Efficiency (AFUE). That means you'll enjoy consistent temperatures and energy efficiency all winter long.

#### COMMITMENT

Armstrong Air's dedication to a better product is backed by a Limited Lifetime Warranty on the ceramic heat exchanger and a 10-Year Limited Warranty on parts.\*

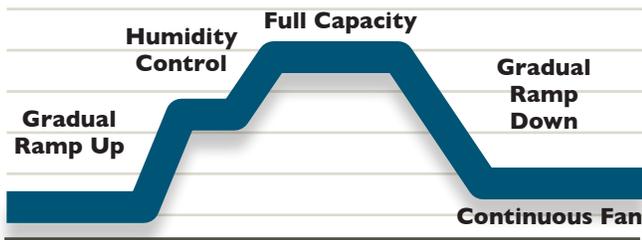
Armstrong Air® oil furnaces use advanced technology to deliver consistent, dependable performance and energy efficiency.

**PRECISE PERFORMANCE**

Inside every Armstrong Air oil furnace, you'll find Clean Performance Technology, solid-state ignition, and a Clean-Cut pump for long-lasting operation. These furnaces are equipped with the GeniSys™ advanced control system that can customize your furnace's operation and maximize your home comfort.

In addition, the variable-speed blower motor helps create more consistent temperatures and quieter start-ups while enhancing humidity control during summer months.

**VARIABLE BLOWER SPEED OPERATION**



Gradual ramp up and down of the variable-speed motor significantly reduce sound

**EFFICIENCY**

Armstrong Air oil furnaces deliver an Annual Fuel Utilization Efficiency (AFUE) of 83, meaning 83% of the fuel they burn is converted into useable heat. So your home can stay warm, cozy and energy efficient through even the worst winter weather.

Choose an Armstrong Air oil furnace and you're choosing a trusted performer.

Armstrong Air oil furnaces deliver consistently excellent performance using a combination of thoughtful innovation and superior technology. When you choose an Armstrong Air oil furnace, you'll benefit from years of expert design. **Because you're choosing THE PROFESSIONAL'S CHOICE.**



**ARMSTRONG AIR**  
The Professional's Choice

\*Warranty applies to residential applications only. See full warranty at [www.alliedair.com](http://www.alliedair.com) for terms, conditions and exclusions.

Due to our policy of continuous improvement, specifications are subject to change without notice.

Printed in U.S.A.  
©2016 Allied Air Enterprises LLC,  
a Lennox International Inc. Company

Form No. AL83UFV-300 (03/16) PC84421



Not approved for use in mobile home applications.

