

# Freedom<sup>®</sup> 80 Oil Furnace Family

Superior comfort, efficiency and peace of mind.

TODAY



Brutally cold  
outside



## Inside, it's perfectly comfortable.

For more than a century, American Standard Heating & Air Conditioning has been a name you can trust for exceptional comfort and peace of mind. Continually responding to calls for greater efficiency, dependability and versatility, American Standard has become one of the largest and most respected manufacturers of innovative home comfort systems – consistently recognized for quality and value by leading consumer-rating magazines.

Our Freedom 80 oil furnace family is designed with inherent durability and reliability to ensure maximum comfort for you and your family. We also build them to be extraordinarily efficient. The result – over 80% of the fuel you pay for is converted into heat for your home. And with quiet performance and precise temperature control, you'll enjoy exceptional comfort and welcome savings on your monthly energy bills.

This guide will help you choose the right furnace for you and your family. With a Freedom 80 oil furnace, you can count on warm, comfortable air inside, even when the weather is brutally cold outside. In fact, your home may become so comfortable, you may think twice about going outside at all.



Reliable

Comfortable

Cleaner Air

High Efficiency

Quiet

*American Standard*<sup>®</sup>  
HEATING & AIR CONDITIONING

# The Freedom<sup>®</sup> 80 family of oil furnaces – everything you need to make your home warm, cozy and perfectly comfortable.

## Up to 85% AFUE.

The efficiency of oil furnaces is reflected in a percentage known as AFUE or Annual Fuel Utilization Efficiency rating. The minimum standard allowed by the U.S. Department of Energy is 78%. Our Freedom 80 oil furnaces not only meet but exceed this rating, delivering up to 85% AFUE for superior efficiency that will economically heat your home and keep you and your family perfectly comfortable.

\*Potential energy savings may vary depending on your lifestyle, system settings, equipment maintenance, local climate, home construction and installation of equipment and duct systems.

### Ultimate

#### Freedom<sup>®</sup> 80 Comfort-R<sup>™</sup> Variable Speed



3-ton highboy shown.  
Other models may vary.

### Contemporary

#### Freedom<sup>®</sup> 80 Single-Stage



3-ton lowboy/front flue shown.  
Other models may vary.

## Configured to fit your home.

No matter what your size requirements, our Freedom 80 oil furnace family has an option that will fit your home perfectly. And you can count on your independent American Standard dealer to assist you in selecting the right model for your home.

- Lowboy – a short, 41.5" vertical configuration, perfect for tight spaces.
- Highboy – a 58" vertical cabinet, ideal for basements, utility rooms or closets.
- Downflow/horizontal – designed to be installed either on its side in crawl spaces, or vertically in closets, basements, utility rooms and garages.

#### 1 Heavy-duty heat exchanger

Where oil is burned to create the heat that is then circulated throughout your home. It's made of 13-gauge, hot-rolled steel for lasting performance and durability.

#### 2 Ceramic-fiber combustion chamber

A highly durable chamber that heats up quickly and quietly. It also provides more efficient combustion. (Located inside the heat exchanger)

#### 3 Beckett flame-retention burner

The heart of the furnace, this reliable, state-of-the-art burner results in cleaner, more efficient combustion and quieter operation.

#### 4 Variable speed blower (Freedom 80 Comfort-R Variable Speed)

Quietly ramps up at slower, more efficient speeds than conventional blowers. When partnered with exclusive Comfort-R<sup>™</sup> technology, it reduces temperature variances from room to room and provides greater humidity control during cooling. (See next panel for more details.)

#### Direct-drive four-speed blower (Freedom 80 Single-Stage)

Operates quietly and efficiently, gently warming and maintaining comfort. Handles all central air conditioning needs, too.

#### 5 Insulated cabinet and blower compartment

Hold more heat in the furnace to better warm your home. The insulation also ensures quieter operation.

#### 6 Heavy-gauge, powder-painted, steel cabinet

Durable and strong for lasting protection of internal components.

#### Cleanable filter (Available in most models)

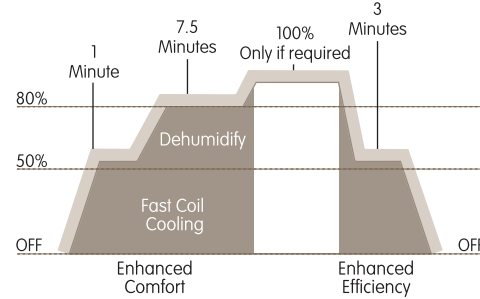
Makes it convenient and economical to maintain a clean filter. When vacuumed at regular intervals, it helps to ensure the long-term efficiency and reliability of your oil furnace. (Not shown)

# You and your family will feel the difference a Freedom<sup>®</sup> 80 Comfort-R<sup>™</sup> Variable Speed oil furnace can make.

## Enjoy more comfort and savings with a variable speed blower and Comfort-R<sup>™</sup>

With a variable speed blower and our exclusive Comfort-R technology, our ultimate furnace brings you and your family the utmost comfort and efficiency. The quiet variable speed blower eliminates noisy startups and shutdowns that can disturb your peace and quiet, while its slower, more efficient operating speeds can potentially lower your monthly energy bills.\* In the winter, the variable speed blower helps to distribute warm air more evenly – even in hard-to-heat rooms. And during the summer, the advanced Comfort-R feature provides greater humidity control during cooling.

### Comfort-R<sup>™</sup>



During cooling, air moves over the coil more slowly at startup, allowing the coil to rapidly cool down for increased moisture removal. This managed cycle of cooling reduces temperature variances and increases dehumidification.

## American Standard Heating & Air Conditioning matched systems: Raise your comfort level even more.

When you choose a Freedom 80 oil furnace, you'll enjoy the consistent comfort and efficiency it brings – performance that is maximized when you make it part of an American Standard "matched system." A matched system is composed of multiple American Standard Heating & Air Conditioning

products, each designed and engineered to work seamlessly together for a total comfort effect that is greater than the sum of its parts. There is simply no better way to create your ideal home environment. Ask your independent American Standard Heating & Air Conditioning dealer for details.



The most common system is electric/oil:

- 1 **Furnace:** an indoor unit that uses oil to warm your home in the winter.
  - 2 **Air conditioner:** outdoor unit that cools on the hottest days with reliability you can count on year after year.
  - 3 **Indoor coil:** the other half of your outdoor unit. As indoor air flows across it, heat and moisture are drawn out, leaving comfortable, cool air.
  - 4 **Air cleaner:** available in a variety of models from standard filters to fully integrated air filtration systems that remove up to 99.98% of airborne allergens from the filtered air in your home.
  - 5 **Humidifier:** adds just the right amount of moisture to conditioned air for improved comfort.
  - 6 **Automatic humidifier control:** responds to changes in outdoor temperature throughout the day, automatically adjusting the relative humidity in your home.
- Comfort control:** an easy-to-use, easy-to-read, attractively designed thermostat that maximizes temperature control. (Not shown)

## Maximize your comfort zone.

Just like customizing a car, you can further enhance your system's performance with options to make your home environment ideal.



### AccuExchange<sup>™</sup>

Removes stale indoor air and replaces it with an equal amount of fresh outdoor air. Plus, it efficiently recovers heat and moisture from the exchanged air for enhanced comfort and energy savings.



### Comfort Control

Precisely regulates the temperature for maximum comfort and energy efficiency, and reminds you when a filter change is due.



### Humidifier

Prevents dryness that can cause damage to you and your belongings. Also reduces static electricity.

# Comfort you can count on all winter long.

## American Standard Heating & Air Conditioning – the gold standard.

Our Freedom 80 oil furnaces are designed to provide maximum heat with minimum fuel usage. However, as you go from single-stage to Comfort-R™ variable speed furnaces, you'll find an increasing number of benefits along the way. For example, Comfort-R brings you a warmer startup during heating, so you don't feel a blast of cold air when you're looking to get warm and cozy. And during humid summer months, Comfort-R is perfect for removing moisture from the air in your home.

## Take comfort in our peace-of-mind warranties.

Your investment in an American Standard Freedom 80 oil furnace is well protected with limited warranties on the heat exchanger and functional parts.\* Optional Extended Warranties are also available. Extended Warranties can pay for labor and other costs not covered by manufacturer's limited warranty. Ask your dealer for full warranty information at time of purchase. Warranties are for residential use only, some exclusions may apply.

\*Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at [americanstandardair.com](http://americanstandardair.com) or by phone at 800-554-8005, otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on [americanstandardair.com](http://americanstandardair.com).

## Our dealers will put you in your comfort zone.

Your independent American Standard Heating & Air Conditioning dealer is a highly trained professional with years of experience who will work with you every step of the way in choosing the system that's right for you – from walking you through the entire purchasing process to conducting an in-depth analysis of your home and comfort needs. Based on that information, your dealer will recommend a system that works best for your home. After all, the more efficient the system, the more comfortable you'll be.

### More than 100 years of feeling right at home.

When we made our first radiators in the 1880s, indoor heating was an innovation in and of itself. Since then, we've led the way in creating home comfort systems tailored to meet the needs that are most important to you. Whether your highest priority is comfort, efficiency, cleaner air or all of the above – we can help make your home the most comfortable place you've ever been.

American Standard Heating & Air Conditioning.

The name you know, the brand you trust.

[americanstandardair.com](http://americanstandardair.com)

*American Standard*®

HEATING & AIR CONDITIONING

We Encourage Professionalism



Through Technician Certification by NATE



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