

# New FER for Furnaces

Federal Regulations for 2019



## WHAT IS FER?

### FER is short for Fan Energy Rating

FER is a federal regulation that sets a minimum airflow efficiency standard for residential furnace fans. The US Department of Energy (DOE) predicts the new standard for furnace fans will:

- Save approximately 3.99 quads of energy
- Reduce carbon pollution by up to 34 million metric tons (that's the equivalent electricity use of 4.7 million homes annually)
- Save Americans more than \$9 billion in home electric bills through 2030

## WHAT'S THE IMPACT?



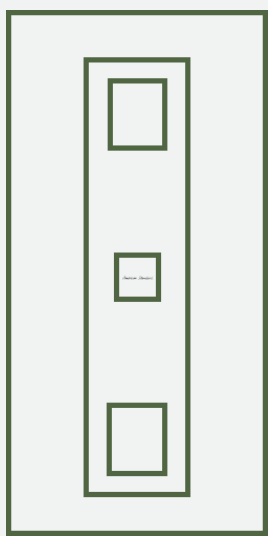
Starting July 3, 2019, all HVAC manufacturers must comply with the DOE's FER standard. This regulation targets fan efficiency, and has a significant impact on how our furnaces are designed and what technologies we use to build them.

In addition to upgrading our motor technology from a PSC to an ECM, American Standard engineers also developed a new version of our Patented Vortica blower, along with a larger blower housing. Our new Vortica™ II blower is FER-compliant and will be included with all of our new S-Series furnaces.

## NEW S-SERIES FURNACE

OUR NEW S-SERIES FURNACE MEETS THE NEW FAN EFFICIENCY STANDARD AND INCLUDES NEW FEATURES DEALERS ASKED FOR.

- FER-compliant and energy efficient Vortica™ II Blower System
- 34" Cabinet height: great for space-constrained installs and replacements
- < 1% cabinet air leakage rating for greater efficiency
- Multiple venting options in every poise – simplifying job planning
- And more...



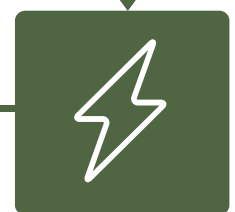
### HIGHER PRICE TO BUY

An FER-compliant furnace costs more to build, so the S-Series comes with a price increase.

### LESS POWER TO OPERATE

Our FER-compliant furnace takes 46% less power to run than a standard PSC furnace and that translates into lower utility costs.

# 46%



### SAVES ENERGY AND MONEY

# 5 YEARS

The energy savings will offset the cost increase in about 5 years.\* With an average lifespan of 15 years, the homeowner saves energy and money!



PODCAST: <https://www.spreaker.com/e/rftrTJB2ZTu>  
AMERICAN STANDARD LEARNING RESOURCES

\*Per DOE's evaluation of economic impacts, as measured by the average life-cycle cost (LCC) savings and the median payback period (PBP). Table 1.2 [https://www.energy.gov/sites/prod/files/2014/06/f17/furnace\\_fans\\_final\\_rule.pdf](https://www.energy.gov/sites/prod/files/2014/06/f17/furnace_fans_final_rule.pdf)