

FER 2019:
READY WITH SURE COMFORT®



SUMMARY OF THE FINAL RULE

Title III, Part B of the Energy Policy and Conservation Act of 1975 (EPCA or the Act), Public Law 94-163 (42 U.S.C. 6291-6309, as codified), established the Energy Conservation Program for Consumer Products Other Than Automobiles. Pursuant to EPCA, any new or amended energy conservation standard that DOE prescribes for certain products, such as furnace fans, must be designed to achieve the maximum improvement in energy efficiency that is technologically feasible and economically justified. (42 U.S.C. 6295(o)(2)(A)). Furthermore, the new or amended standard must result in a significant conservation of energy. (42 U.S.C. 6295(o)(3)(B)). In accordance with these and other statutory provisions discussed in this notice, DOE proposes amended energy conservation standards for furnace fans. The proposed standards shall have a fan energy rating (FER) value that meets or is less than the values shown in Table I.1. **These standards would apply to all products listed in Table I.1 and manufactured in, or imported into, the United States on or after manufactured on and after July 3, 2019.**



FER EFFICIENCY STANDARDS

| Product class | FER * (watts/cfm) | Percent increase over baseline |
|---|------------------------------------|--------------------------------|
| Non-Weatherized, Non-Condensing Gas Furnace Fan (NWG-NC) | $FER = 0.044 \times Q_{Max} + 182$ | 46% |
| Non-Weatherized, Condensing Gas Furnace Fan (NWG-C) | $FER = 0.044 \times Q_{Max} + 195$ | 46% |
| Weatherized Non-Condensing Gas Furnace Fan (WG-NC) | $FER = 0.044 \times Q_{Max} + 199$ | 46% |
| Non-Weatherized, Non-Condensing Oil Furnace Fan (NWO-NC) | $FER = 0.071 \times Q_{Max} + 382$ | 12% |
| Non-Weatherized Electric Furnace/Modular Blower Fan (NWEF/NWMB) | $FER = 0.044 \times Q_{Max} + 165$ | 46% |
| Mobile Home Non-Weatherized, Non-Condensing Gas Furnace Fan (MH-NWG-NC) | $FER = 0.071 \times Q_{Max} + 222$ | 12% |
| Mobile Home Non-Weatherized, Condensing Gas Furnace Fan (MH-NWG-C) | $FER = 0.071 \times Q_{Max} + 240$ | 12% |
| Mobile Home Electric Furnace/Modular Blower Fan (MH-EF/MB) | $FER = 0.044 \times Q_{Max} + 101$ | 46% |
| Mobile Home Non-Weatherized Oil Furnace Fan (MH-NWO) | Reserved | |
| Mobile Home Weatherized Gas Furnace Fan (MH-WG) | Reserved | |



CONDENSING GAS FURNACES

Current Non FER-Compliant Models

| |
|-------------------------|
| Tier 1 VS |
| S98VB |
| S97VA |
| S96VA |
| Tier 2 -1&2S |
| S96TA |
| S96PA |
| S95TC |
| Tier 3 - 1S |
| S95PA |
| S92TA |
| S92PA |

Future FER-Compliant Models

| |
|--------------------|
| Tier 1 VS |
| S98VB |
| S97V*KSA |
| S96VA |
| Tier 2 - 2S |
| S96TA |
| Tier 3 - 1S |
| S95TC |
| S92TA |

VS = Variable Speed
1S = Single Phase
2S = Two-Stage



NON-CONDENSING GAS FURNACES

Current Non FER-Compliant Models

| |
|--------------|
| Tier 1 |
| S802V |
| Tier 2 -1&2S |
| S802PA |
| S801TA |
| Tier 3 - 1S |
| S801PA |
| S801SA |

Future FER-Compliant Models

| |
|---------------|
| Tier 1 |
| S802VA |
| Tier 2 - 2S |
| S802TA |
| Tier 3 - 1S |
| S801TA |
| S801C |

VS = Variable Speed
1S = Single Phase
2S = Two-Stage



NON-CONDENSING PACKAGE UNITS

Current Non FER-Compliant Models

| |
|--------------|
| Tier 1 |
| RGEA14*A |
| Tier 2 -1&2S |
| RGEA15*A |
| Tier 3 - 2S |
| RGEA16*A |

Future FER-Compliant Models

| |
|--------------|
| Tier 1 |
| RGEA14*B |
| Tier 2 -1&2S |
| RGEA15*B |
| Tier 3 - 2S |
| RGEA16*B |