

Summary of Changes
ENERGY STAR® for Residential Ventilating Fans
Draft 2 Version 2.0 Specification

In this document, EPA highlights the major changes made to the **Draft 1** Version 2.0 specification for ENERGY STAR qualified Residential Ventilating Fans. This document is intended as a road map to assist stakeholders in reviewing the **Draft 2** Version 2.0 specification. Changes to each section of the specification are provided below.

1) **Definitions:**

The following definition was added:

- J. Working Speed: The lowest speed above 100 CFM for a two speed fan and a low setting above 90 CFM for a multi-speed fan.

2) **Qualifying Products:**

A requirement that all qualifying ventilating fans be HVI-certified according to HVI Standard 920 has been added.

3) **ENERGY STAR Specification Requirements for Qualifying Products:**

The following changes have been made in Table 1:

- The “76 cfm and greater” Bathroom and Utility Room Fan category has been further divided into the following categories: 76 – 130 cfm and 131 – 250 cfm.
- The following airflow limitations have been placed on Range Hoods and Bathroom and Utility Fans: 500 cfm and 250 cfm, respectively.
- Range Hood minimum efficacy levels can now be tested at Working Speed, rather than Maximum speed.

A. **Lighting Requirements**

Effective on **October 1, 2003**, all ventilating fan models that include lighting must meet the requirements in Table 2, Light Source Criteria.

B. **Quality Assurance Requirements**

1. Early Product Failure

The minimum warranty requirement continues to be one-year for all qualifying ventilating fan models. **Note:** EPA intends to make this a comprehensive warranty and manufacturers are asked to provide information to assist EPA in determining what should be covered by the warranty.

2. Fan Sound Levels

The following changes were made to Table 3:

- The “76 cfm and greater” Bathroom and Utility Room Fan category has been further divided into the following categories: 76 – 130 cfm and 131 – 250 cfm. New maximum sound requirements are included for these new categories: 2.0 and 3.0, respectively.
- The following airflow limitations have been placed on Range Hoods and Bathroom and Utility

- Fans: 500 cfm and 250 cfm, respectively.
- Range Hood minimum efficacy levels can now be tested at Working Speed, rather than Maximum speed.

3. Installed Fan Performance

The minimum performance requirement at 0.25 in. w.g. continues to be 75% of the rated airflow at 0.1 in. w.g.

C. Inclusion of Installation Instructions

Providing installation instructions with each qualified product continues to be a requirement.

4) **Product Testing:**

A statement requiring each qualifying model to be tested and certified by HVI in accordance with HVI Standards 915, 916, and 920 was added. Similarly, each unit of measure now includes "certified by HVI".

The specification continues to exempt sound level and wattage testing at 0.25 in. w.g.; however, this measurement continues to be a requirement for airflow testing, in addition to the 0.1 in. w.g. requirement.

5) **Effective Date:**

An **October 1, 2003** effective date is proposed in this Draft 2 version allowing manufacturers approximately six months to qualify product under the new requirements.