



Performance Characteristics and Energy Consumption Measurement of Household Electric Coffee Makers

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Preface

The Association of Home Appliance Manufacturers develops standards in accordance with AHAM's "Policy and Procedures Governing Technical Standards" which states:

"AHAM Standards shall be in the best interest, mutually, of consumers who use appliances, the industries which provide and service appliances, and other interested parties. They shall relate to actual use conditions and be technically and scientifically sound.

Use or observance of AHAM standards is voluntary.

This standard contains test procedures which may be applied to any brand or model of household electric coffee maker for measuring performance. Results of tests in accordance with this standard may be publicly stated.

Recommended levels of performance which are considered important to include but which are recommendations only.

With regard to safety, AHAM recommends that all appliance products -- both major and portable -- manufactured or marketed in the United States be submitted to an appropriate independent laboratory for inspection and listing in conformance with the safety standards and procedures followed by such laboratories. The relevant standard for household electric coffee makers is ANSI/UL 1082, "Standard for Safety for Household Electric Coffee Makers and Brewing-Type Appliances."

AHAM welcomes comments and suggestions regarding this standard. Any standard may be reviewed and improved as needed. All standards must be updated or reconfirmed at least every five years. Any interested party, at any time, may request a change in an AHAM standard. Such requests should be addressed to AHAM's President, and should be accompanied by a statement of reason for the request and a suggested alternate proposal.

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1. PURPOSE

This standard establishes a uniform, repeatable procedure or standard method for measuring specified product characteristics and energy use of household electric coffee makers.

The standard methods provide a means to compare and evaluate different brands and models of household electric coffee makers regarding characteristics significant to product performance and energy use.

The standard methods (including the recommended levels of performance, where they appear) are not intended to inhibit improvement and innovation in product testing, design or performance.

2. SCOPE

This standard applies to household electric coffee makers as defined in Section 3. It can be counter supported or built in.

This standard does not apply to commercial coffee makers used in commercial kitchens, office buildings, etc.

For machines that dispense multiple beverage types, this standard only applies to the coffee function.

This standard may be used to make measurements of the energy usage of the coffee maker portion of a multiple function product. This procedure may be used to measure the energy utilized by the coffee maker portion of a multifunction device.

This standard establishes uniform methods for measuring performance. This standard only includes recommended test criteria where necessary to enable tests to be carried out. In addition, recommended performance levels only appear where sufficient technical information is available to include such levels.

3. DEFINITIONS

3.1. Household Automatic Percolator

- 3.1.1. An electric appliance designed to heat water and brew by recirculation.
- 3.1.2. The appliance is designed to automatically terminate the brewing cycle when brewing is complete.
- 3.1.3. The appliance may incorporate means to maintain the beverage at serving temperature on completion of the brewing cycle.

3.2. Household Automatic Coffee Urn

- 3.2.1. This appliance incorporates all of the features in 3.1 with the following additions.
- 3.2.2. This appliance is stationary when the beverage is dispensed.

3.3. Household Automatic Drip Coffee Maker

- 3.3.1. An electric appliance designed to heat water and brew coffee by a single pass through grounds
- 3.3.2. The appliance is designed to automatically terminate the brewing cycle.
- 3.3.3. The appliance is designed to prepare multiple servings of coffee (normally into a