

Association of Home Appliance Manufacturers

Method for Measuring Performance of Household Trash Compactors

ANSI/AHAM TC-1-2007
(Revision of AHAM TC-1-1992)



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.

AHAM standards are presented to the American National Standards Institute (ANSI) for recognition as American National Standards. This standard was so recognized on November 8, 2007 and bears the American National Standard designation ANSI/AHAM TC-1-2007.

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

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 such as Underwriters Laboratories Inc., or the American Gas Association Laboratories, Inc., for inspection and listing in conformance with the safety standards and procedures followed by such laboratories. The relevant standard for trash compactors is ANSI/UL 1086, "Standard for Household Trash Compactors".

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

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1. PURPOSE

This standard establishes a uniform, repeatable procedure and specified test conditions for determining the performance of household trash compactors and certain components used in connection with the compactor.

The standard methods provide a means to compare and evaluate different brands and models of household trash compactors regarding characteristics significant to product use.

The standard methods are not intended to inhibit improvement and innovation in product testing, design or performance.

2. SCOPE

This standard applies to household trash compactors as defined in 3.1. It provides general recommendations for measurements, recommendations for nameplate information and recommendations for safety. It also includes pertinent definitions.

3. DEFINITIONS

3.1 Compactor Types

3.1.1 Free-Standing

Requires complete enclosure of unit as shipped from factory. Can be either fixed or portable (with casters).

3.1.2 Undercounter (Built-In)

Connected to cabinet structure and/or floor and has a power cord and/or means to attach a permanent field connection.

3.1.3 Recessed (Convertible)

A unit appearing to be built into a cabinet structure but not requiring a means to attach a permanent field connection.

3.2 Compaction

The act of reducing the volume of trash through compression.

3.3 Trash Container

Receptacle for the storage, compaction and handling of compacted trash.

3.4 Trash Container Volume

Usable volume in ft³ (m³) of a receptacle into which trash is loaded for compaction.