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C22.2 No. 167-18

Household Dishwashers

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The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated March 9, 2018 and August 17, 2018.

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Canadian Standards Association
CSA-C22.2 No. 167-18
Eighth Edition



Underwriters Laboratories Inc.
UL 749
Eleventh Edition

Household Dishwashers

November 30, 2018



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Preface

This is the harmonized CSA Group and UL Standard for Household Dishwashers. It is the eighth edition of CSA C22.2 No. 167 and the eleventh edition of UL 749. This edition of CSA C22.2 No. 167 supersedes the previous edition published in 2017. This edition of UL 749 supersedes the previous edition published in 2017.

The major differences between this edition and the previous edition include the revision of thermocouples requirements, the revision of switch requirements, the revision of control requirements, the revision of flammability requirements for functional parts in Table 10, the revisions to smart-enabled dishwasher requirements, the revision of heating elements requirements, the addition of the dishwasher controls washing test, the addition of the resistance to overvoltage test, the addition of the dishwasher lampholder endurance test, the addition of requirements for glass used as an enclosure, and the clarification of interlock requirements.

This harmonized standard was prepared by CSA Group and Underwriters Laboratories Inc. (UL).

The efforts and support of the Harmonization Committee for Household Dishwashers and the Association of Home Appliance Manufactures (AHAM) are gratefully acknowledged.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This Standard was reviewed by the CSA Subcommittee on Household Dishwashers, under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

This standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

Application of Standard

Where reference is made to a specific number of samples to be tested, the specified number shall be considered a minimum quantity.

Note: Although the intended primary application of this standard is stated in its scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

Level of harmonization

This standard is published as an identical standard for CSA Group and UL.

An identical standard is a standard that is exactly the same in technical content except for national differences resulting from conflicts in codes and governmental regulations. Presentation is word for word except for editorial changes.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been

identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.

Household dishwashers

1 Scope

1.1 This standard applies to electric household dishwashers intended to be used in nonhazardous locations in accordance with the Canadian Electrical Code (CEC), Part I, C22.1, General Requirements – Canadian Electrical Code (CEC), Part II, C22.2, and the National Electrical Code (NEC), NFPA 70, on circuits having a nominal voltage not exceeding 250 V.

1.2 This standard applies to both cord-connected appliances and permanently-connected appliances.

1.3 This Standard applies to smart-enabled household dishwashers that are intended to receive and respond to communication signals or data relating to power billing rate or demand response, or communication signals from a remote user interface such as a smart phone or computer. See Supplement SB.

1.4 This standard applies to household dishwashers generating ozone during normal operation. See Supplement SC.

1.5 This standard does not apply to commercial appliances. Commercial appliances are covered under the scope of the Standard for Commercial Dishwashing Machines, CSA C22.2 No. 168, or the Standard for Commercial Dishwashers, UL 921.

2 Reference Publications

2.1 Where reference is made to any Standards, such reference shall be considered to refer to the latest editions and revisions thereto available at the time of printing, unless otherwise specified.

CSA Group Standards

B64 Series-11
Backflow preventers and vacuum breakers

B64.1.1-11
Atmospheric Vacuum Breakers (AVB)

C22.1-18
Canadian Electrical Code, Part I

C22.2 No. 0-10 (R2015)
General Requirements – Canadian Electrical Code (CEC), Part II

C22.2 No. 0.1-M1985 (R2013)
General Requirements for Double-Insulated Equipment

C22.2 No. 0.2-93 (R2008)
Insulation Coordination

C22.2 No. 0.3-09 (R2014)
Test Methods For Electrical Wires and Cables