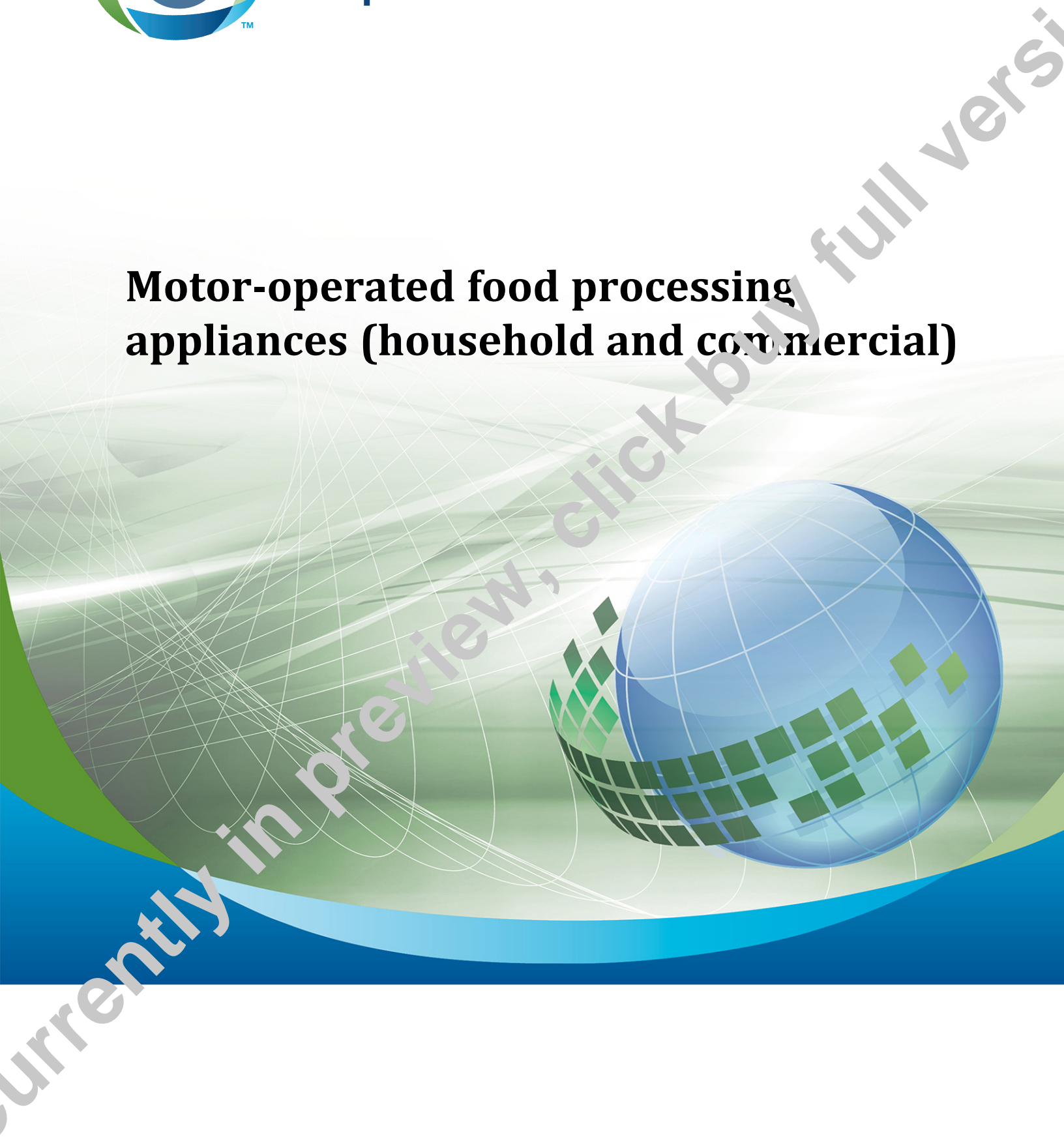




**CSA  
Group**

**C22.2 No. 195-16**

# **Motor-operated food processing appliances (household and commercial)**



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# Preface

This is the second edition of CSA C22.2 No. 195, *Motor-operated food processing appliances (household and commercial)*, one of a series of Standards issued by CSA Group under Part II of the *Canadian Electrical Code*. It supersedes the previous edition published in 1987.

The major differences between this edition and the previous edition include the addition of requirements for blender blade endurance test and the requirements for rechargeable battery-operated food processing appliances.

For general information about the Standards of the Canadian Electrical Code, Part II, see the Preface of the latest issue of CAN/CSA-C22.2 No. 0, *General Requirements — Canadian Electrical Code, Part II*.

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

This Standard was prepared by the Subcommittee on Food Processing Equipment under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the Strategic Steering Committee on requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee.

**Interpretations:** The Strategic Steering Committee on Requirements for Electrical Safety has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant committee interpretation has not already been published, CSA’s procedures for interpretation shall be followed to determine the intended safety principle.”

## Notes:

- 1) *Use of the singular does not exclude the plural, and vice versa) when the sense allows.*
- 2) *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.*
- 3) *(This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”). It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:*
  - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
  - b) *provide an explanation of circumstances surrounding the actual field condition; and*
  - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

*Committee interpretations are processed in accordance with the CSA Directives and guidelines governing standardization and are available on the Current Standards Activities page at [standardsactivities.csa.ca](http://standardsactivities.csa.ca).*
- 5) *This Standard is subject to review five years from the date of publication. Suggestions for its improvement will be referred to the appropriate committee. To submit a proposal for change, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Proposal for change” in the subject line:*
  - a) *Standard designation (number);*
  - b) *relevant clause, table, and/or figure number;*
  - c) *wording of the proposed change;*
  - d) *rationale for the change.*

# C22.2 No. 195-16

## ***Motor-operated food processing appliances (household and commercial)***

### **1 Scope**

#### **1.1**

This Standard applies to motor-operated food processing appliances intended for use on nominal system voltages of 600 V and less, except that, where appliances are driven by universal type motors or electromagnetic mechanisms, the Scope is limited to appliances rated for use on nominal system voltages of 240 V or less. This Standard applies to appliances designed to be used in accordance with the rules of the *Canadian Electrical Code, Part I*, in non-hazardous locations.

**Note:** For convenience, the short term “appliance” or “equipment” is used in this Standard.

#### **1.2**

This Standard applies to permanently connected, cord-connected, and rechargeable battery operated appliances for household and commercial use in nonhazardous locations.

#### **1.3**

This Standard applies to motor driven blenders, can openers, churns, coffee grinders, coffee mills, food processors, ice cream makers, ice crushers, juice extractors, knives, knife sharpeners, meat choppers, grinders, saws, slicers and tenderizers, mixers, potato peelers, shredders, and similar appliances.

#### **1.4**

Requirements for cord-connected, double-insulated appliances are specified in Annex [A](#)

#### **1.5**

Requirements for rechargeable battery-operated appliances are specified in Annex [B](#).

#### **1.6**

This Standard does not apply to appliances that are covered by specific Standards of the *Canadian Electrical Code, Part II*.

#### **1.7**

In this Standard, “shall” is used to express a requirement, i.e., a provision that the user is obliged to satisfy in order to comply with the standard; “should” is used to express a recommendation or that which is advised but not required; and “may” is used to express an option or that which is permissible within the limits of the Standard.

Notes accompanying clauses do not include requirements or alternative requirements; the purpose of a note accompanying a clause is to separate from the text explanatory or informative material.

Notes to tables and figures are considered part of the table or figure and may be written as requirements.

Annexes are designated normative (mandatory) or informative (non-mandatory) to define their application.

## 2 Reference publications

This Standard refers to the following publications, and where such reference is made, it shall be to the edition listed below, including all amendments published thereto.

### CSA Group

B64 Series-11

*Backflow preventers and vacuum breakers*

B64.10-11/B64.10.1-11

*Selection and installation of backflow preventers/Maintenance and field testing of backflow preventers*

B140.0-03 (R2013)

*General requirements for oil burning equipment*

CAN3-C235-83 (R2015)

*Preferred voltage levels for AC systems, 0 to 50000 V*

C22.1-15

*Canadian Electrical Code, Part I*

CAN/CSA-C22.2 No. 0-10 (R2015)

*General Requirements — Canadian Electrical Code, Part II*

CAN/CSA-C22.2 No. 0.4-04 (R2013)

*Bonding of electrical equipment*

CAN/CSA-C22.2 No. 0.17-00 (R2013)

*Evaluation of properties of polymeric materials*

C22.2 No. 0.23-15

*General requirements for battery-powered appliances*

C22.2 No. 14-13

*Industrial control equipment*

C22.2 No. 24-15

*Temperature-indicating and regulating equipment*

C22.2 No. 42-10 (R2015)

*General use receptacles, attachment plugs, and similar wiring devices*

C22.2 No. 43-08 (R2013)

*Lampholders*