

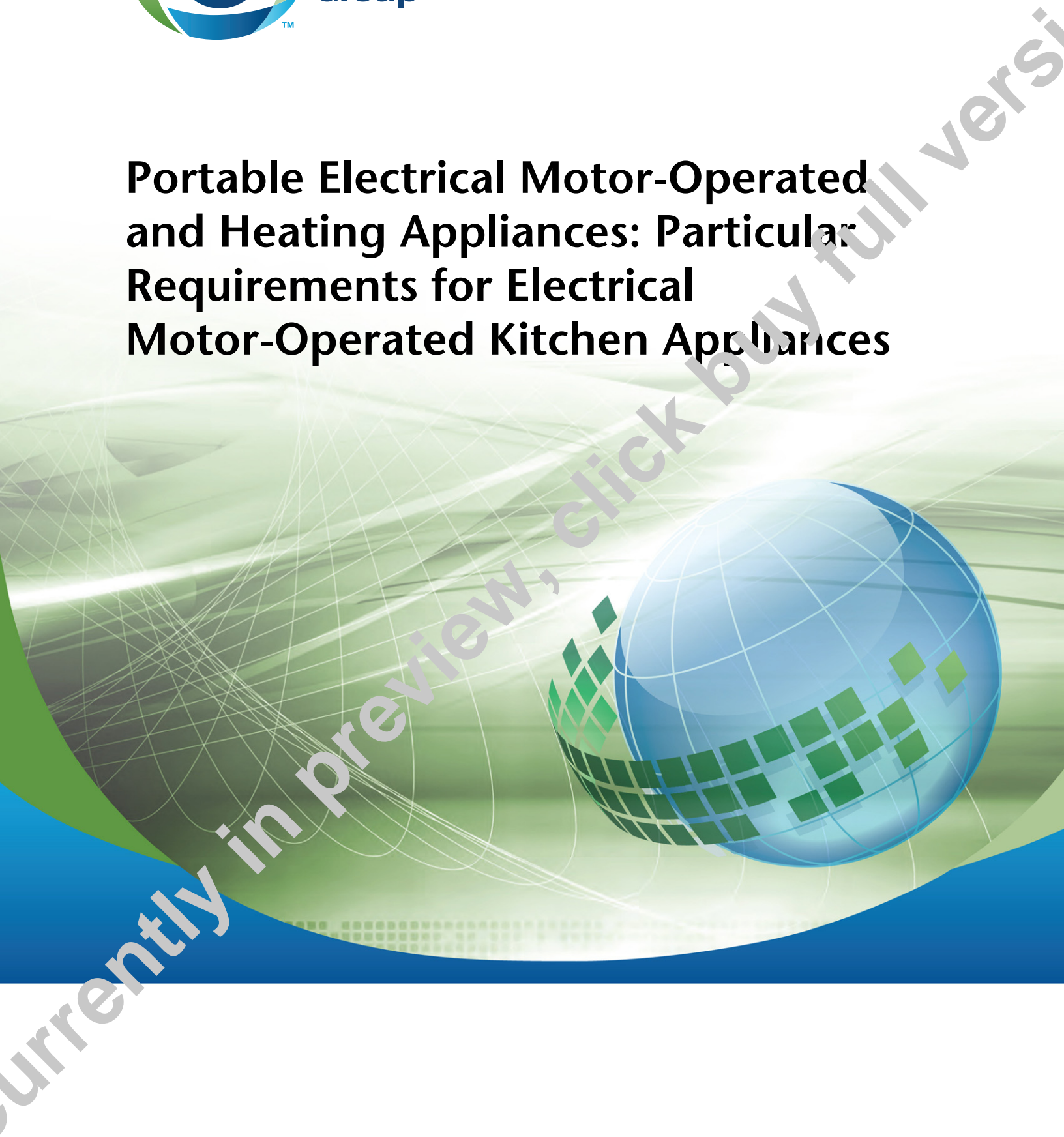


**CSA
Group**

C22.2 No. 1335.2.14-93

(reaffirmed 2018)

Portable Electrical Motor-Operated and Heating Appliances: Particular Requirements for Electrical Motor-Operated Kitchen Appliances



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***Portable Electrical
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Particular Requirements
for Electrical Motor-
Operated Kitchen
Appliances***

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Preface

This is the first edition of CSA Standard C22.2 No. 1335.2.14, *Portable Electrical Motor-Operated and Heating Appliances: Particular Requirements for Electrical Motor-Operated Kitchen Appliances*, part of a series of Standards issued by the Canadian Standards Association under Part II of the *Canadian Electrical Code*. It is written in SI (metric) units.

This edition of the Standard contains requirements pertaining to food-processing appliances that were formerly in CSA Standard C22.2 No. 195, *Motor-Operated Food Processing Appliances (Household and Commercial)*. The requirements are specific to the appliances specified in the Scope of this Standard and are intended to be used in conjunction with the general requirements in CSA Standard C22.2 No. 1335.1.

Where a particular clause of CSA Standard C22.2 No. 1335.1 is not mentioned in this Standard, the clause applies as far as is reasonable. Where this edition states "addition", "modification", or "replacement", the relevant requirement, test specification, or explanatory matter in CSA Standard C22.2 No. 1335.1 should be adapted accordingly.

CSA Standard C22.2 No. 1335.2.14 is based on IEC Publication 335-2-14. Where Canadian deviations have necessitated the deletion of IEC Publication 335-2-14 text, the IEC text has been retained but has been ~~overstricken~~ to indicate it as nonmandatory. Text added to IEC Publication 335-2-14 as mandatory has been underlined including, where feasible, Tables and Figures.

It should be noted that in this Standard the following print types are used:

- (a) requirements: in roman type;
- (b) test specifications: in *italic type*;
- (c) notes: which are a nonmandatory part of the Standard, in small roman type; and
- (d) words in **bold** in the text are defined in Clause 2.

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

In view of the above Canadian terminology, and in order to avoid confusion, the term "General Requirements" is used in place of "Part 1" in IEC Publication 335-1, and the term "Particular Standard" is used in place of "Part 2".

This Standard was prepared by a Subcommittee of the Technical Committee on Consumer and Commercial Products under the jurisdiction of the Standards Steering Committee on the Canadian Electrical Code, Part II, and was formally approved by these Committees.

January 1993

Notes:

- (1) *Use of the singular in this Standard 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) *CSA Standards are subject to periodic review, and suggestions for their improvement will be referred to the appropriate committee.*

(4) *All enquiries regarding this Standard, including requests for interpretation, should be addressed to Canadian Standards Association, Standards Division, 178 Rexdale Boulevard, Rexdale, Ontario M9W 1R3.*

Requests for interpretation should

- (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) be phrased where possible to permit a specific "yes" or "no" answer.*

Interpretations are published in CSA's periodical Info Update. For subscription details, write to CSA Sales Promotion, Info Update, at the address given above.

Foreword

Certification organizations, as accredited by the Standards Council of Canada, have their own criteria and procedures for certification services. The following paragraphs define CSA Certification policies.

The Canadian Standards Association provides certification services for manufacturers who, under license from CSA, wish to use the appropriate registered CSA Marks on certain products of their manufacture to indicate conformity with CSA Standards.

CSA Certification for a number of products is provided in the interest of maintaining agreed-upon standards of quality, performance, interchangeability and/or safety, as appropriate. Where applicable, certification may form the basis for acceptance by inspection authorities responsible for enforcement of regulations. Where feasible, programs will be developed for additional products for which certification is desired by producers, consumers or other interests.

In performing its functions in accordance with its objectives, CSA does not assume or undertake to discharge any responsibility of the manufacturer or any other party. The opinions and findings of the Association represent its professional judgement given with due consideration to the necessary limitations of practical operation and state of the art at the time the Standard is processed.

Products in substantial accord with this Standard but which exhibit a minor difference or a new feature may be deemed to meet the Standard providing the feature or difference is found acceptable utilizing appropriate CSA Certification Division Operating Procedures. Products which comply with this Standard shall not be certified if they are found to have additional features which are inconsistent with the intent of this Standard. Products shall not be certifiable if they are discovered to contravene applicable Federal laws or regulations.

Testing techniques, test procedures and instrumentation frequently must be prescribed by the CSA Certification Division in addition to the technical requirements contained in Standards of CSA. In addition to markings specified in the Standard the CSA Certification and Testing Division may require special cautions, markings and instructions that are not specified by the Standard.

Some tests required by CSA Standards may be inherently hazardous. The Association neither assumes nor accepts any responsibility for any injury or damage that may occur during or as the result of tests, wherever performed, whether performed in whole or in part by the manufacturer or the Association, and whether or not any equipment, facility or personnel for or in connection with the test is furnished by the manufacturer or the Association.

Manufacturers should note that, in the event of the failure of the CSA Certification and Testing Division to resolve an issue arising from the interpretation of requirements, there is an appeal procedure: the complainant should submit the matter, in writing, to the Secretary of the Canadian Standards Association. If this Standard is to be used in obtaining CSA Certification please remember, when making application for certification, to request all current Amendments, Bulletins, Notices and Technical Information Letters that may be applicable and for which there may be a nominal charge. For such information or for further information concerning details about CSA Certification please address your inquiry to the Applications and Records Section, Canadian Standards Association, 178 Rexdale Boulevard, Rexdale (Toronto), Ontario M9W 1R3.

Publication 335-2-14

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC STANDARD

Publication 335-2-14

Second Edition

1984

Safety of household and similar electrical appliances

**Part 2: Particular requirements for electric
kitchen machines**

INTERNATIONAL ELECTROTECHNICAL COMMISSION

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

Part 2: Particular requirements for electric kitchen machines

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinions on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

PREFACE

This publication has been prepared by IEC Technical Committee No 61: Safety of Household and Similar Electrical Appliances.

It forms the second edition of IEC Publication 335-2-14 and replaces the first edition.

The text of this publication is based upon the following documents:

Six Months' Rule	Report on Voting	Two Months' Procedure	Report on Voting
61(CO)104	61(CO)143	61(CO)176	61(CO)238
61(CO)130	61(CO)171		
61(CO)139	61(CO)192		
61(CO)187	61(CO)214		
61(CO)206	61(CO)229		
61(CO)257	61(CO)278		
61(CO)367	61(CO)417		
61(CO)513	61(CO)550		
61(CO)537	61(CO)561		
61(CO)587	61(CO)630		

Further information can be found in the relevant Reports on Voting indicated in the table above.

This Part 2 is intended to be used in conjunction with IEC Publication 335-1. It was established on the basis of the second edition (1976) of that publication, as modified by Amendments No. 1 (1977), No. 2 (1979), No. 3 (1982), No. 4 (1984), No. 5 (1986) and No. 6 (1988). Consideration may be given to future editions of, or amendments to, IEC Publication 335-1.

This Part 2 supplements or modifies the corresponding clauses in IEC Publication 335-1, so as to convert that publication into the IEC standard: Safety requirements for electric kitchen machines (second edition).

Where a particular sub-clause of **Part 1** is not mentioned in this Part 2, that sub-clause applies as far as is reasonable. Where this second edition states "addition", "modification" or "replacement", the relevant

~~requirement, test specification or explanatory matter in Part 1 should be adapted accordingly.~~

~~The following differences exist in some countries:~~

- ~~— For household food mixers delivered with beaters designed to mix cake batter, to whip potatoes, etc., instead of the sand load specified, the lead specified for household food mixers delivered with kneaders to mix yeast dough is used, except that, before mixing is started, a quantity of water equal to 1.7 times that necessary to bring the flour and water in the bowl to the consistency specified is added (Sub clause 2.2.30).~~
- ~~— Class 0 kitchen machines are permitted (Sub clause 22.1).~~
- ~~— The definition of normal lead for food processors is different (U.S.A.) (Sub clause 2.2.30).~~
- ~~— Additional warnings are required for food processors (U.S.A.) (Sub clause 7.12).~~
- ~~— A stepping time of 4 s is allowed (Canada, France, Germany, Italy, Japan and the U.S.A.) (Sub clause 20.110).~~
- ~~— A knot in the cord is allowed (Canada and the U.S.A.) (Sub clause 25.11).~~

~~In this publication:~~

~~1) — the following print types are used:~~

- ~~— requirements proper: in roman type;~~
- ~~— test specifications: in italic type;~~
- ~~— explanatory matter: in smaller roman type;~~

~~2) — sub clauses or figures which are additional to those in Part 1 are numbered starting from 101; additional appendices are lettered AA, BB, etc.~~

~~Other IEC publication quoted in this standard:~~

~~Publication No. 540: Test Methods for Insulations and Sheaths of Electric Cables and Cords (Elastomeric and Thermoplastic Compounds).~~

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

**Portable Electrical Motor-Operated and Heating Appliances:
Part 2: Particular requirements for electrical motor-operated electric
kitchen machines appliances**

1 Scope

This clause of ~~Part 1~~ CSA Standard C22.2 No. 1335.1 is applicable except as follows:

1.1 ~~Replacement:~~ Addition

This standard applies to electric kitchen ~~machines~~ appliances and to accessories intended to be used with multi-purpose kitchen ~~machines~~ appliances.

Examples of kitchen ~~machines~~ appliances are:

- (a) mixers;
- (b) cream whippers;
- (c) egg beaters;
- (d) blenders for liquids;
- (e) blenders for food;
- (f) sieving ~~machines~~ appliances;
- (g) churns;
- (h) ice-cream ~~machines~~ appliances, including bucket type and those for use in refrigerators;
- (i) citrus fruit juice squeezers;
- (j) centrifugal juicers for fruit and vegetables;
- (k) ~~machines~~ appliances provided with a worm conveyor, such as mincers, noodle attachments and berry juice extractors;
- (l) slicing ~~machines~~ appliances for bread, cheese, meat and the like;
- (m) slicing ~~machines~~ appliances for beans;
- (n) potato peelers;
- (o) graters and shredding ~~machines~~ appliances for vegetables and fruits;
- (p) cheese graters;
- (q) knife sharpeners;
- (r) ~~tin can~~ openers;
- (s) knives;
- (t) food processors;
- (u) pasta mixer-extruders;
- (v) baby-food grinders and choppers;
- (w) ice crushers;
- (x) coffee mills; and
- (y) coffee and grain grinders.

Notes:

- (1) When the term "refrigerators" is used, it includes freezers.
- (2) Coffee grinding and coffee milling attachments intended to be used in combination with multi-purpose kitchen machines are within the scope of this standard.

~~Kitchen machines not intended for normal household use, but which nevertheless may be a source of danger to the public, such as kitchen machines to be used by laymen in shops, in light industry and on farms, are within the scope of this standard.~~

~~Multi-purpose kitchen machines which, when used together with a particular accessory, are covered by~~