

# Commercial cooking appliances



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# Contents

Technical Committee on Consumer and Commercial Products 4

Subcommittee on Safety of Household Electrical Appliances 6

Preface 9

**1 Scope 10**

**2 Reference publications 10**

**3 Definitions 12**

**4 Construction 12**

4.1 General requirements 12

4.2 Enclosures 13

4.2.1 General 13

4.2.2 Construction 13

4.2.3 Metallic enclosures 13

4.2.4 Non-metallic enclosures, supports, and decorative parts

4.2.5 Enclosure with integral heater element 14

4.2.6 Openings in enclosures 14

4.3 Protection against corrosion 16

4.4 Mechanical assembly 16

4.5 Supply connections 17

4.5.1 Permanently connected appliances 17

4.5.2 Terminal parts 18

4.5.3 Cord-connected appliances 18

4.6 Electrical insulation 19

4.7 Thermal insulation 19

4.8 Current-carrying parts 20

4.9 Wiring 20

4.10 Heating and heater elements 21

4.11 Overcurrent protection 22

4.12 Protection against overheating 23

4.13 Receptacles 24

4.14 Lamphouses 24

4.15 Switches and controls 25

4.16 Motors 26

4.17 Electromagnetic interference (EMI) filters 26

4.18 Spacings 26

4.19 Bonding 27

**5 Markings 28**

**6 Tests 30**

6.1 General 30

6.2 Rating 30

6.3	Temperature (general)	30
6.4	Temperature (normal)	31
6.4.1	General	31
6.4.2	Toasters	32
6.4.3	Waffle irons	32
6.4.4	Sandwich toasters, grills and griddles	32
6.4.5	Deep fat fryers	32
6.4.6	Ranges	32
6.4.7	Coffee-maker stoves	33
6.4.8	Counter-type hot plates	33
6.4.9	Popcorn machines	33
6.4.10	Water heaters for commercial cooking appliances	33
6.4.11	Food warmers	33
6.4.12	Coffee urns	33
6.4.13	Ovens	33
6.5	Temperature (abnormal)	33
6.5.1	General	33
6.5.2	Toasters	34
6.5.3	Waffle irons	34
6.5.4	Sandwich toasters, grills and griddles	34
6.5.5	Deep fat fryers	34
6.5.6	Ranges	35
6.5.7	Counter-type hot plates	35
6.5.8	Popcorn machines	35
6.5.9	Food warmers	35
6.5.10	Coffee makers	35
6.5.11	Ovens	35
6.5.12	Radiant-heat food warmers	35
6.5.13	Tilting frying pans	35
6.5.14	Removable heater elements	35
6.5.15	Appliances having more than one temperature limiting device	35
6.6	Flexing	35
6.7	Dielectric strength	36
6.8	Stability	37
6.9	Performance of fusable links	37
6.10	Performance of manually operated switches	38
6.10.1	General	38
6.10.2	Overload (heater only)	38
6.10.3	Overload (motors and heaters)	38
6.10.4	Endurance	39
6.11	Performance of automatic controls	39
6.11.1	General	39
6.11.2	Calibration	39
6.11.3	Overload	39
6.11.4	Endurance	39
6.12	Temperature stability test for thermal fuses	40
6.13	Strain relief	42
6.14	Leakage current	42
6.15	Investigation of fibreglass sleeving (over bare conductors used as wiring)	43

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6.15.1	Flame test	43
6.15.2	Heat-resistant properties	43
6.15.3	Dielectric strength after heating	44
6.16	Thermoset material aging	44
6.17	Insulating liner investigation	45
6.17.1	Humidity and cold bend dielectric strength	45
6.17.2	Thermal aging	45
6.18	Physical abuse	45

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# Preface

This is the third edition of CSA C22.2 No. 109, *Commercial cooking appliances*, issued by CSA Group under the *Canadian Electrical Code, Part II*. It supersedes the previous editions published in 1981 and 1957. This Standard also replaces the CSA Technical Information Letter (TIL) No. C-41, *Interim Certification Requirements for Cord-Connected Commercial Electric Cooking Appliances*.

The major differences between this edition and the previous edition include updates to the flame tests and the addition of optional DC for the dielectric strength test.

For general information on the Standards of the *Canadian Electrical Code, Part II*, see the Preface 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 Safety for Household Electrical Appliances, under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the Strategic Steering Committee on Requirements for Electrical Safety.

**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 CSA committee interpretation has not already been published, CSA Group’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 and 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 within 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; and*
  - d) *rationale for the change.*

# C22.2 No. 109-17

## Commercial cooking appliances

### 1 Scope

#### 1.1

This Standard applies to cord-connected and permanently connected electrically heated commercial cooking appliances for use on nominal system voltages of 600 V and less, that are intended to be used in accordance with CSA C22.1, *Canadian Electrical Code, Part I*.

#### 1.2

This Standard applies to electric ranges, ovens, broilers, fry kettles, griddles, sandwich toasters, toasters, food warmers, coffee stoves, urns, hotplates, popcorn machines, liquid heaters, pressure cookers\*, utensil warmers, and similar appliances.

\* Pressure vessels that may operate at pressures of 103 kPa and greater are subject to inspection by pressure vessel inspection authorities.

#### 1.3

This Standard applies to food cooking and warming appliances for use in non-hazardous locations in commercial establishments.

#### 1.4

This Standard does not apply to electrical equipment on coal- or gas-heated cooking equipment or to appliances employing high-frequency currents.

#### 1.5

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.