

# Motor-operated gardening appliances



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# Preface

This is the fifth edition of CSA C22.2 No. 147, *Motor-operated gardening appliances*, one of a series of Standards issued by the Canadian Standards Association under Part II of the *Canadian Electrical Code*. It supersedes the previous editions published in 1990, 1987, 1985, and 1980.

This Standard includes new requirements for leaf blower/vacuums and solid state controls as well as other general amendments. It also incorporates the requirements of the following Technical Information Letter, TIL N-35, *February 3, 2014, Interim Certification Requirements for Saw-chain pole pruners*.

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 of Hand-Held Motor-Operated Electric Tools under the jurisdiction of the Technical Committee on Consumer and Commercial Products and the Strategic Steering Committee on Requirements for Electrical Safety.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

**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 user 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 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:*
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  - 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). 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.*

# CSA C22.2 No. 147:15

## ***Motor-operated gardening appliances***

### **1 Scope**

#### **1.1**

This Standard applies to motor-operated gardening appliances\* intended for use on nominal system voltages of 250 V and less and in nonhazardous locations, and designed to be used in accordance with the *Rules of the Canadian Electrical Code, Part I*.

*\*For convenience, the short terms "appliance", "equipment", and "machine" are used herein.*

#### **1.2**

This Standard applies to cord-connected and battery-operated lawn mowers of the reel and rotary walking types, edgers, trimmers, edger trimmers, grass shears, cultivators, shredder baggers, gardening appliances with a blower, leaf blower/vacuums, snow movers, chain saws, and similar equipment including electric starter motors for gardening appliances.

#### **1.3**

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

#### **1.4**

This Standard also includes requirements for cord-connected, double-insulated gardening appliances (see Clause [7](#)).

#### **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**

Where reference is made to a Standard, such reference shall be considered to refer to the latest available edition and revision thereto. This Standard refers to the following such Standards and the year dates shown indicate the latest editions available at the time of printing: