



CSA C749:15
National Standard of Canada
(reaffirmed 2020)



Energy performance of dehumidifiers



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Preface

This is the third edition of CSA C749, *Energy Performance of dehumidifiers*. It supersedes the previous editions, published in 2007 and 1994.

This new edition of C749 has been developed to reflect changes in US DOE test procedure (Docket No. EERE-2010-BT-TP-0039 – Final Rule dated Oct 31, 2012).

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

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of Natural Resources Canada (NRCan).

This Standard was prepared by the Subcommittee on Dehumidifiers, under the jurisdiction of the Technical Committee on Residential Equipment and the Strategic Steering Committee on Performance, Energy Efficiency, and Renewables, and has been formally approved by the Technical Committee.

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.

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.*
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 - c) *where possible, phrase the request in such a way that a specific “yes” or “no” answer will address the issue.*

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 - a) *Standard designation (number);*
 - b) *relevant clause, table, and/or figure number;*
 - c) *wording of the proposed change; and*
 - d) *rationale for the change.*

CSA C749:15

Energy performance of dehumidifiers

1 Scope

1.1

This Standard specifies

- a) energy performance requirements for factory-made, self-contained, electrically-operated, mechanically-refrigerated household dehumidifiers with daily water-removal capacities of up to 87.5 L (185 U.S. pints);
- b) test procedures for measuring capacity, standby power, off mode power, and active mode energy use; and
- c) minimum and high efficiency energy factor, *EF*.

1.2

This Standard does not include desiccant, thermoelectric, and ducted products

1.3

The values given in SI units are the units of record for the purposes of this Standard. The values given in parentheses are for information and comparison only.

1.4

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

C22.2 No. 92-1971 (R2013)

Dehumidifiers