

Australian/New Zealand Standard™

**Household and similar electrical
appliances—Safety**

**Part 2.69: Particular requirements for
wet and dry vacuum cleaners, including
power brush, for commercial use
(IEC 60335-2-69 Ed 5, MOD)**



AS/NZS 60335.2.69:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-002, Safety of Household and Similar Electrical Appliances and Small Power Transformers. It was approved on behalf of the Council of Standards Australia on 11 May 2017 and by the New Zealand Standards Approval Board on 10 May 2017.

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The following are represented on Committee EL-002:

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Business New Zealand
Consumer Electronic Suppliers Association, Australia
Consumers' Federation of Australia
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This Standard was issued in draft form for comment as DR 16923.

Australian/New Zealand Standard™

Household and similar electrical appliances—Safety

Part 2.69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use (IEC 60335-2-69 Ed 5, MOD)

Originated as AS/NZS 60335.2.69:2003.
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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

AS/NZS 60335.2.69:2017**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
SAFETY –****Part 2.69: Particular requirements for wet and dry vacuum cleaners, including power
brush, for commercial use****Foreword**

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-002- Safety of Household and Similar Electrical Appliances and Small Power Transformers to supersede AS/NZS 60335.2.69:2012 three years from the date of publication.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with safety requirements designed to give the user protection against hazards that might occur during normal operation and abnormal operation of the appliance and which may be used as the basis for approval for sale or for connection to the electricity supply mains in Australia and New Zealand

The text of IEC 60335-2-69 Ed 5, prepared by IEC Technical Committee SC 61J, was submitted to the Standards Australia/Standards New Zealand Combined Procedure (dual public comment and committee vote) for adoption of the IEC standard as a Standards Australia/Standards New Zealand joint standard.

The principal changes in this edition as compared with the 2012 edition of AS/NZS 60335.2.69 are as follows (minor changes are not listed):

- the scope has been amended;
- terms and definitions have been amended;
- the standard has been aligned with the newest amendment of IEC 60335-1:2010+A1:2013
- general additions for vacuum cleaners with blowing functions have been introduced;
- a new Annex GG 'Particular requirements for mobile wet vacuum cleaners for rescue and firefighting services (MWF)' was added.

This Standard is an adoption with national modifications of the fifth edition of IEC 60335-2-69, *Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use*. It has been varied as indicated to take account of Australian and New Zealand conditions.

This part 2 has to be used in conjunction with the latest edition of AS/NZS 60335.1 Household and similar electrical appliances – Safety – Part 1: General requirements and its Amendments. It was established on the basis of AS/NZS 60335.1:2011.

This part 2 supplements or modifies the corresponding clauses of AS/NZS 60335.1 so as to convert it into the Australian/New Zealand Standard: Safety requirements for wet and dry vacuum cleaners, including power brush, for commercial use.

When a particular subclause of Part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

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- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.;
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letters AZ.

NOTE 2 The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3.

p NOTE 3 In this document, p is used in the margin to indicate instructions for preparing a consolidated version.

The essential safety requirements in AS/NZS 3820¹ that could be applicable to requirements for wet and dry vacuum cleaners, including power brush, for commercial use are covered by this standard.

The national variations to IEC 60335-2-69 Ed 5 form the Australian and New Zealand national variations for purposes of the IECEE scheme for recognition of results of testing to standards for safety of electrical equipment (the CB scheme).

¹ AS/NZS 3820 *Essential safety requirements for electrical equipment*

The text of the International Standard IEC 60335-2-69 Ed 5 was approved as a joint Australia/New Zealand Standard with the agreed national variations as given below.

AUSTRALIAN NATIONAL VARIATIONS

The following national variations to this Part 2 are additional to those listed in the national variations to AS/NZS 60335.1:2011.

3 Terms and definitions

- p 3.1.9** *Insert* the following variation.

Appliance outlets for accessories are loaded with a resistive load in accordance with the marking

NEW ZEALAND NATIONAL VARIATIONS

The following national variations to this Part 2 are additional to those listed in the national variations to AS/NZS 60335.1:2011.

3 Terms and definitions

- p 3.1.9** *Insert* the following variation.

Appliance outlets for accessories are loaded with a resistive load in accordance with the marking

**Annex ANZ
(normative)**

**Normative references to international publications with their corresponding joint
Australia/New Zealand publications**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by national variations the relevant joint Australia/New Zealand publications applies if the national variations are needed to ensure the safety of the appliance for Australia/New Zealand conditions. These international publications are indicated by (mod). If an international publication is not so indicated, then either it or the listed Australia/New Zealand publication may be used.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>AS/NZS</u>	<u>Year</u>
60312-1		<i>Vacuum cleaners for household use – Part 1: Dry vacuum – Methods for measuring the performance</i>		
60335-2-41		<i>Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps</i>	60335.2.41	
61540		<i>Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)</i>	3190	
ISO 2602		<i>Statistical interpretation of test results – Estimation of the mean – Confidence Interval</i>		
ISO 6344-2		<i>Coated abrasives – Grain size analysis – Part 2: Determination of grain size distribution of macrogrits P12 to P220</i>		
ISO 7731		<i>Ergonomics – Danger signals for public and work areas – Auditory danger signals</i>		
ISO 11428		<i>Ergonomics – Visual danger signals – General requirements, design and testing</i>		

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