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AS/NZS 60335.2.80:2016
(Incorporating Amendments up to and including No. 3)

STANDARDS NEW ZEALAND
TE MANA TAUTIKANGA O AOTEAROA

STANDARDS Australia

Australian/New Zealand Standard™

Household and similar electrical appliances — Safety

Part 2.80: Particular requirements for fans (IEC 60335-2-80 Ed 3, MOD)

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AS/NZS 60335.2.80:2016

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 and Power Supplies. It was approved on behalf of the Council of Standards Australia on 17 June 2016 and by the New Zealand Standards Approval Board on 6 June 2016.

This Standard was published on 30 June 2016.

The following are represented on Committee EL-002:

Association of Accredited Certification Bodies
Australian Industry Group
Australian Retailers Association
Better Regulation Division (Fair Trading, Safework NSW, TestSafe)
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 15929.

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ISBN 978 1 76035 524 1

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Originated in Australia as AS 3302—1980.
Final Australian edition AS 3302—1990.
Originated in New Zealand as NZS 6301:1973.
AS 3302—1990 and NZS 6301:1973 jointly revised, amalgamated and designated AS/NZS 3302:1992.
Jointly revised and redesignated AS/NZS 3350.2.80:1998.
Jointly revised and redesignated AS/NZS 60335.2.80:2004.
Jointly revised and redesignated AS/NZS 60335.2.80:2016.
Reissued incorporating Amendment No 1 (June 2020).
Reissued incorporating Amendment No 2 (June 2022).
Reissued incorporating Amendment No 3 (December 2023).

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

AS/NZS 60335.2.80:2016

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2.80: Particular requirements for fans

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 60335.2.80:2004 three years from the date of publication.

A1

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 60335-2-80 Ed 3, prepared by IEC Technical Committee TC 61, 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.

A1 + A2 + A3

This standard incorporates Amendment No.1 (June 2020), Amendment No.2 (June 2022) and Amendment No.3 (November 2023). The changes introduced by the amendments are indicated in the text by a marginal bar and amendment number against the part affected. Where an application date other than immediate is applicable to an amendment the date of application (DOA) and the date of withdrawal (DOW) if relevant, is indicated by the marginal bar against the part affected.

NOTE: Regulatory authorities that reference this Standard in regulation may apply these amendment requirements at a different time. Users of this Standard should consult with these authorities to confirm their requirements

The principal changes in this edition as compared with the 2004 edition of AS/NZS 60335.2.80 are as follows (minor changes are not listed):

- added definition for ceiling fan suspension system (3.102);
- added instructions for ceiling fan maintenance (7.12);
- added instructions for ceiling fan installation (7.12.1);
- added entrapment assessment criteria for table and pedestal fan with a fan head that oscillates in the up-down direction (20.102);
- added requirements for insulation of pre-installed internal wiring used to supply attached
- luminaires (22.101);
- added suspension system failure protection requirements for ceiling fans (22.102);
- added motor brush wear requirements (27.3).

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This Standard is an adoption with national modifications of the third edition of IEC 60335-2-80, *Household and similar electrical appliances – Safety – Part 2-80: Particular requirements for fans*. 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 fans.

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:

– 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 3820[1] that could be applicable to requirements for fans are covered by this standard.

The national variations to IEC 60335-2-80 Ed 3 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*

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