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APPROVAL AND TEST SPECIFICATION FOR PARTICULAR REQUIREMENTS FOR SPIN EXTRACTORS

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- Australian Consumers Association
- Australian Electrical and Electronic Manufacturers Association
- Confederation of Australian Industry
- Consumer Electronics Suppliers Association
- Electrical Apparatus Approvals Authorities
- Electrical Testing Laboratories
- Electricity Supply Association of Australia

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STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No 1
to
AS 3306—1984
Approval and Test Specification—
PARTICULAR REQUIREMENTS FOR SPIN EXTRACTORS

REVISED TEXT

The 1984 edition of AS 3306 is amended as follows; the amendments should be inserted in the appropriate place.

SUMMARY: The following sections of the standard are covered by this amendment: Clause 30 and Appendices A and G.

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Page 8. Clause 30.

Delete the following:

'Clauses 30.1 and 30.2 are not required.'

Delete Clause 30.101 and *substitute* the following:

30.101.2 Glow-wire tip temperature and duration of test.

Item (a)—replace 'As specified in the individual approval and test specification' with '850 °C for 30 s'.

Item (b)—replace 'As specified in the individual approval and test specification' with '750 °C for 30 s'.

This amendment forms part of the specification on publication.

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Appendix F:

Add the following new Appendix F:

APPENDIX F

**MOTORS NOT ISOLATED FROM THE SUPPLY MAINS AND
HAVING BASIC INSULATION NOT DESIGNED FOR THE RATED
VOLTAGE OF THE APPLIANCE**

This Appendix of AS 3306 is applicable.

This amendment forms part of the specification on publication.

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Appendix G:

Add the following new Appendix G:

APPENDIX G

CIRCUIT FOR MEASURING LEAKAGE CURRENTS

This Appendix of AS 3306 is applicable.

This amendment forms part of the specification on publication.

PREFACE

This standard was prepared by the Association's Committee on Electrical Approvals Standards.

It contains specific requirements for spin extractors and is a supplementary specification to AS 3300, Approval and Test Specification for General Requirements for Household and Similar Electrical Appliances (which closely follows IEC 335-1).

The clauses of this standard supplement or modify the corresponding clauses in AS 3300. Where the reference in the text of this standard indicates an 'addition' or 'replacement' of the relevant requirements, tests or explanatory notes to AS 3300, these changes are made to the relevant text which then become part of the standard. It will be observed that when no such change is necessary, the words 'this Clause of AS 3300 is applicable' are used.

This standard closely follows IEC 335-2-4, Particular Requirements for Spin Extractors; however, some of the requirements of that publication have been modified to take account of local conditions. Where this standard deviates technically from IEC 335-2-4 by way of additional or different requirements, the deviation is indicated by a rule in the margin against the clause, or part thereof, affected. Where the requirements of AS 3300 do not apply to spin extractors the

words 'not applicable' are used. Where the requirements of AS 3300 are additional to the essential safety requirements presently specified in the AS 3100 series of specifications and are not to be applied, the words 'not required' are used. An annex to the standard lists the variations from IEC 335-2-4. It should be noted that there are variations between AS 3300 and IEC 335-1 (see AS 3300 for such information), which must also be taken into account.

It is anticipated that for approvals purposes, spin extractors incorporated in washing machines will only be tested to AS 3163, Approval and Test Specification for Electric Washing Machines for Household Use, until a new specification for washing machines based on IEC 335-2-7 is published and becomes applicable, at which stage AS 3163 will be withdrawn.

This standard requires reference to the following Australian standards:

- AS 1939 Classification of Degree of Protection Provided by Enclosures for Electrical Equipment
- AS 3133 Approval and Test Specification for Air Break Switches
- AS 3300 General Requirements for Household and Similar Electrical Appliances.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
APPROVAL AND TEST SPECIFICATION FOR
PARTICULAR REQUIREMENTS FOR SPIN EXTRACTORS

1. SCOPE

This Clause of AS 3300 is applicable except as follows:
REPLACEMENT. Replace Clause 1.1 with the following:

1.1 SCOPE AND APPLICATION. This specification applies to electric spin extractors, including those incorporated in washing machines, intended to extract water by centrifugal means, with a load capacity not exceeding 10 kg of dry textile material and a container peripheral speed not exceeding 50 m/s.

NOTES:

1. The limit of the load capacity does not apply to spin extractors incorporated in washing machines.
2. Spin extractors not intended for normal household use, but which nevertheless may be a source of danger to the public, such as spin extractors for communal use in blocks of flats or in laundrettes, are within the scope of this specification.
3. This specification does not apply to spin extractors for commercial laundries.

2. DEFINITIONS

This Clause of AS 3300 is applicable except as follows:
REPLACEMENT. Replace Clause 2.2.30 with the following:

2.2.30 Normal load denotes the load obtained when the appliance is operated with the container filled with a quantity of dry textile material having a mass equal to the maximum mass specified by the manufacturer.

The textile material shall be all cotton sheets having a dry mass between 140 g/m² and 175 g/m².

The test pieces comprising the normal load shall be made of the textile material, shall be double folded, have an area between 4800 cm² and 5000 cm² with one side not less than 55 cm in length.

The test load after weighing in the dry condition shall be saturated with cold water before being placed within the container in a reasonable, evenly distributed manner.

3. GENERAL REQUIREMENTS

This Clause of AS 3300 is applicable except as follows:
REPLACEMENT.

3.101 D.C. COMPONENT FROM A.C. APPLIANCES. Replace paragraph 5 with the following:

The permissible direct current in the equipment neutral shall not exceed 360 mA.

4. GENERAL NOTES ON TESTS

This Clause of AS 3300 is applicable except as follows:
 Clauses 4.8 and 4.12 are not applicable.

ADDITION. Add the following new clause:

4.101 TESTING OF SPIN EXTRACTORS. *Spin extractors are tested as portable appliances unless they are designed to be fixed to a support or are incorporated in another appliance.*

5. RATING

This Clause of AS 3300 is applicable.

6. CLASSIFICATION

This Clause of AS 3300 is applicable.

7. MARKING

This Clause of AS 3300 is applicable except as follows:
ADDITION.

7.1 GENERAL. Add the following new paragraph:

Spin extractors shall be marked with the maximum mass in the dry condition, in kilograms of textile material for which the appliance is designed, unless this is indicated in the instruction sheet.

Clause 7.3 is not applicable.

ADDITION.

7.10 POSITIONS OF REGULATING DEVICES AND SWITCHES. Add the following new paragraph:

If the 'off' position is indicated only by one word, this word shall be 'off'.

8. PROTECTION AGAINST ELECTRIC SHOCK

This Clause of AS 3300 is applicable except as follows:
 Clauses 8.2 and 8.3 are not applicable.

9. STARTING OF MOTOR-OPERATED APPLIANCES

This Clause of AS 3300 is not required.

10. INPUT AND CURRENT

This Clause of AS 3300 is applicable except as follows:
ADDITION.

10.1 RATED INPUT. Add a new Note 3 as follows:

3. A representative period is a water extraction period as specified in Clause 11.7, starting from cold.

ADDITION.

10.2 MOTOR-OPERATED APPLIANCES. Add the following Note:

NOTE: During the measurement of the current, starting surges are neglected.

11. HEATING

This Clause of AS 3300 is applicable except as follows:
 Clause 11.2, paragraphs 1 and 3 are not applicable.
 Clause 11.4 is not applicable.