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Amendment 1 - Mar 1986
2 - May 1986
3 - November 1986
(closely follows IEC 335-2-72)

REPLACED BY

AS 3311 - 1988

AS 3311—1984
UDC 621.31:621-83::615.82

Australian Standard 3311—1984

APPROVAL AND TEST SPECIFICATION — PARTICULAR REQUIREMENTS FOR MASSAGE APPLIANCES



PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
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This Australian standard was prepared by Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of the Standards Association of Australia on 31 July 1984 and published on 5 October 1984.

The following interests are represented on Committee EL/2:

- Australian Consumers Association
- Australian Electrical and Electronic Manufacturers Association Ltd
- Confederation of Australian Industry
- Consumer Electronics Suppliers Association
- Electrical Apparatus Approvals Authorities
- Electrical Testing Laboratories
- Electricity Supply Association of Australia
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First published 1984

This standard was issued in draft form for comment as DR 82093.

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STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No 3

to

AS 3311—1984

APPROVAL AND TEST SPECIFICATION—
PARTICULAR REQUIREMENTS FOR MASSAGE APPLIANCES

REVISED TEXT

The 1984 edition of AS 3311 which was amended in March and May 1986 is further amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: The following section of the standard is covered by this amendment: Clause 15.3.

Published on 3 November 1986.

AMDT
No 3
NOV.
1986

Page 5. Clause 15.

Delete the following:

Clause 15.3, not applicable.

This amendment forms part of the specification on publication.

STANDARDS ASSOCIATION OF AUSTRALIA
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15 MAY 1986

AMENDMENT No 2

to

AS 3311—1984

Approval and Test Specification—
PARTICULAR REQUIREMENTS FOR MASSAGE APPLIANCES

CORRECTED TEXT

The 1984 edition of AS 3311 which was amended in March 1986 is further amended as follows; the amendments should be inserted in the appropriate place.

SUMMARY: The following section of the standard is covered by this amendment: Clause 30.101.2.

Published on 5 May 1986.

AMDT
No 2
MAY
1986

Page 7. Clause 30.101.2

Delete Clause 30.101.2 (inserted by Amendment No 1) 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:

- '(i) For hand-held appliances, 550°C for 30 s.
- '(ii) For other appliances, 750°C for 30 s.'

Item (b)—*replace* 'As specified in the individual approval and test specification' with:

- '(i) For hand-held appliances, 550°C for 30 s.
- '(ii) For other appliances, 650°C for 30 s.'

This amendment forms part of the specification on publication.

STANDARDS ASSOCIATION OF AUSTRALIA
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AMENDMENT No 1

to

AS 3311—1984

Approval and Test Specification—

PARTICULAR REQUIREMENTS FOR MASSAGE APPLIANCES

REVISED TEXT

The 1984 edition of AS 3311 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: The following section of the standard is covered by this amendment: Clause 30.

Published on 3 March 1986.

Page 7. 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 test temperature and duration of test.

Item (a)—replace 'As specified in the individual approval and test specification' with '550°C for 30 s'.

Item (b)—replace 'As specified in the individual approval and test specification' with '550°C for 30 s'.

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 massage appliances 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 becomes 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 335-2-32, Particular Requirements for Massage Appliances; however, some of the requirements of that publication have been modified to take account of local conditions. Where this standard deviates technically from IEC 335-2-32 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 massage appliances, 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 335-2-32. 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).

Preparation of this standard was undertaken to progressively align Australian Approval and Test Specifications with IEC standards for appliances.

This standard requires reference to the following Approval and Test Specifications:

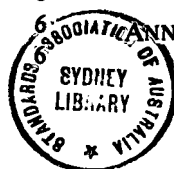
- AS 3191 Electric Flexible Cords
- AS 3300 General Requirements for Household and Similar Electrical Appliances

and to the following Basic Standard:

- BS 5267 A.C. Motor Capacitors

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

**APPROVAL AND TEST SPECIFICATION —
PARTICULAR REQUIREMENTS FOR MASSAGE APPLIANCES**

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 appliances incorporating mains-operated motors, and which are primarily intended for massage purposes.

NOTES:

1. Appliances not intended for normal household use, but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in places other than the home, are within the scope of this specification.
2. Appliances intended primarily for purposes other than massage, but which have accessories for massage purposes, are within the scope of the standard covering the primary function.
3. This specification does not take into account the special hazards which exist in nurseries and other places where there are young children or aged or infirm persons without supervision; in such cases, additional requirements may be necessary.
4. This specification does not apply to nerve and muscle stimulators designed to deliver electrical energy to stimulate human nerve or muscle tissue.

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 under the following conditions:

- (a) Hand-held massage appliances are operated with no external load other than that imposed by the vibrator head.
- (b) Massage appliances intended to be used under various parts of the body of a sitting or lying person, e.g. head, hands, feet, are operated with the platform loaded with a mass of 5 kg evenly distributed over an area of 100 mm × 300 mm.
- (c) Massage appliances intended to be used under the feet of a standing person are operated with the platform loaded with a mass of 80 kg, evenly distributed over an area of 100 mm × 300 mm.
- (d) Massage belts are operated with the belt loaded, by means of a roller, with a force of 200 N, applied in a horizontal direction so that the belt is approximately symmetrical about the roller.
- (e) Massage pads intended to be used under a sitting person are operated with the pad placed between two layers of felt, the whole being supported by a flat horizontal surface and the upper layer of felt

being loaded with a mass of 80 kg, evenly distributed over an area of 300 mm × 300 mm. Each layer of felt has a thickness of 25 mm and a mass of 4 ± 0.4 kg/m², both layers extending at least 15 mm beyond the edges of the pad.

- (f) Massage chairs are operated with no load.
- (g) Massage beds intended to support a lying person are operated with the surface on which the person is intended to lie loaded with a mass of 80 kg, evenly distributed over an area of 0.5 m × 2 m.

ADDITION. Add the following:

2.2.101 Motor denotes an electrically operated device producing rotational, linear or vibratory motion.

3. GENERAL REQUIREMENTS

This Clause of AS 3300 is applicable except as follows:

REPLACEMENT.

3.101 D.C. COMPONENT FROM A.C. APPLIANCES. Replace paragraphs five and six with the following:

The permissible direct current in the equipment neutral shall not exceed 1.44 A.

4. GENERAL NOTES ON TESTS

This Clause of AS 3300 is applicable except as follows:

ADDITION. Add the following:

4.101 Unless massage appliances are designed to be fixed to a support in normal use, the test requirements for portable appliances are applicable.

NOTE: Hand-held appliances are subject to the additional tests specified for such appliances.

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:
Clause 7.3 is not applicable.