

Australian Standard<sup>®</sup>

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**Approval and test specification—  
Motor-operated appliances**

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**STANDARDS AUSTRALIA** 

This Australian Standard was prepared by Committee EL/2, Electrical Approvals Standards. It was approved on behalf of the Council of Standards Australia on 9 July 1990 and published on 17 September 1990.

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The following interests are represented on Committee EL/2:

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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AS 3115/Amdt 1/1990-12-10

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**Amendment No 1**  
**to**  
**AS 3115—1990**

**Approval and test specification—Motor-operated appliances**

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**CORRECTION**

The 1990 edition of AS 3115 is amended as follows; the amendment(s) should be inserted in the appropriate place.

*SUMMARY:* This Amendment applies to Clauses 16.3.4, 16.4 and 16.5.

Published on 10 December 1990.

**Australian Standard®**

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First published as AS C115 Ap—1941.  
Revised and redesignated AS 3115—1978.  
Second edition 1980.  
Third edition 1983.  
Fourth edition 1990.

## PREFACE

This Specification was prepared by the Standards Australia Committee on Electrical Approvals Standards to supersede AS 3115, *Motor—operated appliances*.

It is one of a series of Approval and Test Specifications issued by Standards Australia. These Specifications are accompanied by a general Specification AS 3100, containing definitions and general requirements for electrical equipment. The purpose of these Specifications is to outline conditions which must be met to secure approval for the sale and use of electrical equipment in Australia. Only safety matters and related conditions are covered.

This edition was published to incorporate into the Specification Amendments Nos 1 and 2 to AS 3115 and to effect change to Table 2 regarding the deletion of knife sharpeners.

This Standard supersedes AS 3115 from date of publication.

Standards Australia desires to call attention to the fact that this Specification does not purport to include all the necessary provisions of a contract.

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# STANDARDS AUSTRALIA

## Australian Standard

### Approval and test specification—Motor-operated appliances

**1 SCOPE** This Specification specifies essential safety requirements for electric motor-operated appliances which are intended for operation at low or medium voltage and the largest motor of which has a rating not exceeding 1000 W. The following list contains typical examples of appliances to which this Specification is applicable.

|  |  |
|--|--|
| Bench grinders   | Milking machines   |
| Cream separators   | Office machines  |
| Crushers and grinders  | Polishing machines   |
| Door opening devices   | Pumps and blowers  |
| Evaporative-type air conditioners                            | Rotating display stands                                      |
| Fans (other than those within the scope of AS 3302)          | Refrigerators (other than those within the scope of AS 3303) |
| Food waste disposal units                                    | Sign flashers  |
| Fountains  | Sirens and bells   |
| Garbage compactors   | Window display devices                                       |
| Ironing machines   |  |
| Machine tools (other than those within the scope of AS 3160) |  |

This Specification does not apply to the following:

- (a) Motor-operated appliances covered by separate Approval and Test Specifications.
- (b) Except for fan controllers and similar equipment, motor control equipment which is not incorporated in the appliance with which the motor is associated or of which it forms a part.
- (c) Separate motors.

## 2 APPLICATION

**2.1 General requirements of AS 3100** This Specification shall be read in conjunction with AS 3100, and the appropriate provisions of AS 3100 shall apply to the construction of the appliance and the insulation or safeguarding of parts which normally carry current or both.

**2.2 Specific requirements of this Specification** A motor-operated appliance shall be deemed to comply with this Specification only if it complies with all the appropriate requirements of this Specification and passes the relevant tests specified herein.

**2.3 Requirements of other Specifications** Equipment and components incorporated in a motor-operated appliance which are depended upon for safety shall comply with the appropriate requirements of any relevant Approval and Test Specification unless such requirements are varied herein.

**3 REFERENCED DOCUMENTS** The following documents are referred to in this Specification:

#### STANDARDS

AS

1023 Low voltage switchgear and controlgear—Protection of electric motors

#### APPROVAL AND TEST SPECIFICATIONS

AS

3100 General requirements for electrical equipment

3121 Insulating mouldings

3160 Hand-held portable electric tools

3191 Electric flexible cords

3302 Particular requirements for electric fans

3303 Particular requirements for refrigerators and freezers

**4 DEFINITIONS** For the purpose of this Specification, the definitions below apply:

**4.1 Motor-operated appliance**—an appliance incorporating an electric motor or motors. The term 'motor' shall mean an electrically operated device producing rotary, linear or vibratory motion.

**4.2 Maximum normal load**—a load to be applied to a motor-operated appliance so that the stress imposed corresponds to that occurring under normal conditions of use, any marking of short-time or intermittent operation being observed and, unless otherwise specified, heating elements, if any, being operated as in normal use.