

Australian Standard 3115-1978

APPROVAL AND TEST SPECIFICATION FOR MOTOR-OPERATED APPLIANCES



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THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL organizations or departments were officially represented on the committee entrusted with the preparation of this specification:

Australian Chamber of Commerce
Australian Electrical Manufacturers Association
Confederation of Australian Industry
Department of Construction
Electrical Apparatus Approvals Authorities
Electrical Contractors Association of Australia
Electrical Testing Laboratories
Electricity Supply Association of Australia
Electronic Importers Association

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PREFACE

This revised specification, prepared by Committee EL/2, Electrical Approvals Standards, was approved on behalf of the Council of the Standards Association of Australia on 7 April 1978, and was published on 1 June 1978.

It is one of a series of approval and test specifications issued by the Association under Part 2 of the SAA Wiring Rules. These specifications are accompanied by a general specification AS C100 containing definitions and general requirements for electrical materials and 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.

The revision was undertaken in order to coordinate and clarify the various matters covered by the 11 amendments applicable to the 1941 edition and to generally overhaul the specification in the light of current manufacturing practices and safety requirements.

During the revision of this specification close touch was maintained with interested manufacturers and industrial associations, who were given the opportunity of reviewing the various drafts and of putting their views before the committee.

The requirements in this revised specification have been expressed solely in metric units having regard to Australian government legislation under the Metric Conversion Act, 1970, which has the objective of the progressive adoption of such units. The '3000' series of numbers has been allocated for new and revised SAA approval and test specifications expressed in metric units, the letter classification 'C' being dropped; thus this specification which was numbered AS C115 in the imperial unit series becomes AS 3115 in the metric series.

This specification supersedes AS C115 from date of publication. Attention is drawn to the fact that ordinary duty flexible cord shall not be permitted for industrial sanding machines after 1 June 1979.

In order to keep abreast of progress in the industries concerned, the publications of the Standards Association of Australia are subject to periodical review. Suggestions for improvement, addressed to the headquarters of the Association, P.O. Box 458, North Sydney, N.S.W., 2060, will be welcomed.

The Association desires to call attention to the fact that this specification does not purport to include all the necessary provisions of a contract.

This specification requires reference to the following Australian Standard Approval and Test Specifications:

- C100 Definitions and General Requirements for Electrical Materials and Equipment
- 3121 Insulating Mouldings
- 3133 Air Break Switches
- 3191 Electric Flexible Cords

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

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This specification shall be read in conjunction with AS C100, Approval and Test Specification for Definitions and General Requirements for Electrical Materials and Equipment. (See also Clause 3, below.)

1 SCOPE. This specification applies to 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.

This specification does not apply to the following:

- (a) Motor-operated appliances covered by separate approval and test specifications.
- (b) 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.

NOTE: Table 1 contains a typical list of the types of appliance to which this specification is applicable.

TABLE 1
APPLIANCES TO WHICH THIS SPECIFICATION APPLIES

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	Refrigerators (other than those within the scope of AS C174)
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)	

2 DEFINITIONS. For the purpose of this specification, the following definitions, which are additional to those in AS C100, shall apply:

2.1 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.