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# Australian Standard

## 3184-1981

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### APPROVAL AND TEST SPECIFICATION FOR ELECTRIC DISHWASHING MACHINES



PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA  
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.



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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 and Electronic Manufacturers Association**
  - Confederation of Australian Industry**
  - 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 1 May 1981, and published on 1 August 1981.

It is one of a series of approval and test specifications issued by the Association. 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.

This edition is technically identical with the 1972 edition except that it incorporates Amendments Nos 1 to 4 to that edition which were issued in August and October 1975, August 1977, and August 1978 respectively, and includes changes to the following clauses:

- Changes that form part of the specification on publication:
  - Clause 19.4—incorporates present terminology for thermal cutouts
  - Clause 19.5.2—incorporates present terminology for thermal cutouts
- Changes that form part of the specification 12 months after publication:
  - Clause 11—modifies existing requirements for thermal protection of motors
  - Table 1—modifies the application order of tests
  - Clause 19.5.3—modifies testing requirements.

This specification supersedes AS 3184—1972 from date of publication.

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:

AS 3121	Insulating Mouldings
AS 3133	Air Break Switches
AS 3145	Radio Interference Suppression Devices
AS 3161	Thermostats and Energy Regulators
AS 3191	Electric Flexible Cords
AS C100	Definitions and General Requirements for Electrical Materials and Equipment
AS C109	Appliance Plugs and Appliance Inlet Sockets



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## STANDARDS ASSOCIATION OF AUSTRALIA

**Australian Standard**  
**APPROVAL AND TEST SPECIFICATION**  
**FOR**  
**ELECTRIC DISHWASHING MACHINES FOR**  
**HOUSEHOLD USE**

As 3100 SEE AMENDMENT No 1

This specification shall be read in conjunction with AS C100. (See also Clause 3, below.)

**1 SCOPE.** This specification applies to electric dishwashing machines, as defined in Clause 2.1, which are designed for operation at low or medium voltage and are intended primarily for household use.

**2 DEFINITIONS.** For the purpose of this specification the following definitions shall apply.

**2.1 Electric dishwashing machine**—an appliance which is designed primarily for washing household dishware, glassware, cutlery or cooking utensils. It may also incorporate facilities for heating the washing water, and for rinsing and drying the wash load.

NOTE: Throughout the specification an electric dishwashing machine is referred to as a 'dishwasher'.

**2.1.1 Automatic dishwasher**—a dishwasher in which the sequence and period of the various operations can be pre-set and the whole cycle carried out automatically.

**2.1.2 Semi-automatic dishwasher**—a dishwasher in which the period or sequence of one or more of the operations can be controlled automatically, but which requires manual operation of a control device to complete the whole cycle of operations.

**2.1.3 Non-automatic dishwasher**—a dishwasher in which the sequence and period of the various operations are controlled manually.

### 3 COMPLIANCE WITH SPECIFICATIONS.

**3.1 General Requirements of AS C100.** This specification shall be read in conjunction with AS C100, and the appropriate provisions of that specification shall apply to the construction of the dishwasher and the insulation and safeguarding of parts which normally carry current.