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Australian Standard 2442—1981

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES ROTARY CLOTHES DRYERS

[Title Allocated by Reference Cataloging Authority—DRYING
TUMBLER, HOUSEHOLD LAUNDRY (Electrical)]



STANDARDS ASSOCIATION OF AUSTRALIA
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THE FOLLOWING SCIENTIFIC, INDUSTRIAL, GOVERNMENTAL AND CONSUMER organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Electrical and Electronics Manufacturers Association
Australian Consumers Association
Australian Federation of Consumer Organizations
Confederation of Australian Industry
Department of Consumer Affairs, N.S.W.
Electrical Contractors Associations of Australia
Electricity Supply Association of Australia
Housing Commission of N.S.W.

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AUSTRALIAN STANDARD

**PERFORMANCE OF HOUSEHOLD
ELECTRICAL APPLIANCES
ROTARY CLOTHES DRYERS**

AS 2442--1981

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PREFACE

This standard was prepared by the Association's Committee on Quality and Performance of Household Electrical Appliances at the request of the Association's Consumer Standards Advisory Committee.

In the preparation of this standard, reference was made to American National Standard A197.6, Performance Evaluation Procedure for Household Tumble Type Clothes Dryers, and acknowledgement is made of the assistance received therefrom.

Attention is drawn to the fact that two test methods are provided for determination of moisture removal and energy consumption as Appendices B and C. The method in Appendix C may be used in certain cases, as indicated in the scope to that Appendix.

This standard may require reference to the following Australian standards:

- | | |
|---------|--|
| AS 1024 | Direct Recording Electrical Measuring Instruments and Their Accessories |
| AS 1042 | Direct-acting Indicating Electrical Measuring Instruments and Their Accessories |
| AS 2040 | Household Electric Clothes Washing Machines |
| AS 2202 | The Provision of Warranties/Guarantees for Household Goods |
| AS 2323 | Provision of Point-of-sale Information for Household Goods (Buy Guide) |
| AS 3185 | Approval and Test Specification for Electric Rotary Clothes Dryers for Household Use |

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
**PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES—ROTARY
CLOTHES DRYERS**

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for electric rotary clothes dryers for household and similar use. It does not apply to clothes dryers intended for use in commercial laundries and laundrettes.

- 1.2 OBJECT.** The purpose of this standard is—
- (a) to state and define the principal performance characteristics of electric rotary clothes dryers which are—
 - (i) moisture removal;
 - (ii) energy consumption;
 - (iii) maximum temperature reached by clothes;
 - (b) to specify the standard methods of measuring these characteristics;
 - (c) to set levels of acceptable performance for these characteristics;
 - (d) to specify any other requirements which will ensure that an electric clothes dryer will be a satisfactory appliance.

1.3 SAFETY REQUIREMENTS. This standard does not include the electrical safety requirements which must be observed to secure approval for connection or sale of electric rotary clothes dryers for household use. An electric rotary clothes dryer must, in addition to complying with this standard, comply with the requirements of AS 3185.

1.4 DEFINITIONS. For the purpose of this standard the following definitions apply:

1.4.1 Electric rotary clothes dryer (hereafter referred to as a 'dryer')—an electrical appliance primarily intended for household use and designed for drying water-washed household textile materials while they are caused to tumble freely during the process.

1.4.2 Automatic dryer—a dryer in which the sequence and period of the various operations can be pre-set and the whole cycle carried out and terminated automatically.

NOTE: The pre-setting may be built into the machine by the manufacturer or may be carried out manually by the operator.

1.4.3 Rated capacity—the maximum mass of the standard mixed cotton test load (see Paragraph A2 of Appendix A) in multiples of 0.5 kg, which the manufacturer declares can be treated in a single operation.

NOTES:

1. Under normal conditions of storage cotton fabrics contain approximately 8 percent moisture and the maximum mass includes an 8 percent allowance for moisture.
2. In this standard the rated capacity is reduced by 7.4 percent to obtain the equivalent bone-dry test load (see Paragraph A2.4 of Appendix A).

1.4.4 Bone-dry clothes—clothes containing not more than 10 percent moisture.

NOTE: See Paragraph A2.4 of Appendix A.