

Australian Standard[®]

**PERFORMANCE OF
HOUSEHOLD ELECTRICAL
APPLIANCES—
COFFEE MAKERS**

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COFFEE MAKERS (Household, Performance)]

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The following interests are represented on Committee EL/15:

Australian Consumers Association
Australian Electrical and Electronics Manufacturers Association
Australian Federation of Consumer Organizations
Australian Retailers Association
Department of Consumer Affairs, N.S.W.
Electricity Supply Association of Australia

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PREFACE

This Australian standard was prepared by the Association's committee on Quality and Performance of Household Electrical Appliances.

In the preparation of the definitions and Appendix A of this standard, consideration was given to IEC 661, Methods for Measuring the Performance of Electric Household Coffee Makers, and acknowledgment is made of the assistance received therefrom.

This standard is a product standard and includes requirements not dealt with in IEC 661 for design, construction, performance, marking, point-of-sale information and guarantee. Therefore the differences between this standard and IEC 661 are not set out.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

PERFORMANCE OF HOUSEHOLD ELECTRICAL APPLIANCES—COFFEE MAKERS

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard applies to electric coffee makers for household and similar use.

NOTE: Similar use denotes use in premises other than household, for example offices, where the appliance is used in a similar way to normal household use.

1.2 OBJECT. The object of this standard is to—

- (a) state and define the basis for determining the principal performance characteristics of household electrical coffee makers within the scope of this standard;
- (b) specify standard methods of measuring these characteristics so that intending purchasers of coffee makers will have a basis for comparison;
- (c) set levels of performance for these characteristics; and
- (d) specify any other requirements which will ensure that an electrical coffee maker will be a satisfactory appliance.

NOTE: The measuring methods of this standard are specified primarily with a view to coffee makers of the percolator and the filter type; they may, however, be used for coffee makers of other systems also, as far as this is reasonable.

1.3 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

AS 1044	Limits of Electromagnetic Interference for Electrical Appliances and Equipment
AS 1152	Test Sieves
AS 2202	Code of Practice for the Provision of Warranties/Guarantees for Household Goods
AS 2323	Provision of Point-of-sale Information for Household Goods (Buy Guide)
AS 3172	Approval and Test Specification—Electric Cooking Appliances for Household Use.
AS 33XX	Approval and Test Specification—Particular Requirements for Appliances for Heating Liquids*

CBC 127 Home Coffee Makers Examination and Evaluation, The Coffee Brewing Centre, New York

1.4 SAFETY REQUIREMENTS. This standard does not include the electrical safety requirements which need to be observed to secure approval for the sale and use of electric coffee makers for household use. An electric coffee maker shall, in addition to complying with this standard, comply with the requirements of AS 3172 (or AS 33XX when it supersedes AS 3172) for liquid-heating appliances.

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

1.5.1 Coffee percolator—coffee maker with a heated liquid container and a strainer or basket for holding ground coffee arranged above the liquid level. The heated water ascends in a rising pipe and falls passing through the ground coffee back into the container, this process continuing as long as the liquid pumping element is energized.

1.5.2 Filter coffee maker—coffee maker with separate containers for the water and for the brewed coffee, and with a filter arranged above the brewed coffee container. The water is heated, passes once through the ground coffee in the filter and falls then into the brewed coffee container, under gravity or a pressure difference of maximum 50 kPa.

1.5.3 Espresso coffee maker—coffee maker in which the water is heated and forced through the ground coffee and filter by steam pressure or by means of a mechanical pump.

1.5.4 Degrees of fineness (of ground coffee)—for the purpose of coffee maker testing, the degrees of fineness of ground coffee as defined in Table 1.

* In course of preparation, refer DR 84113.

TABLE 1
DEGREES OF FINENESS

1	2	3	4
Mesh size of sieve mm	Total mass remaining on the appropriate sieve sizes, percent		
	Coarse ground coffee	Medium ground coffee	Fine ground coffee
1.4	2	—	—
1.0	23	10	1
0.71	37	34	20
0.5	23	31	38
0.355	8	14	24
0.25	4	6	10
—	3*	5*	7*

* Percentage of total mass that passes through all the mesh sizes in column 1.

NOTE: The mesh sizes are based on AS 1152.