

AS 1359.0—1998

Australian StandardTM

**Rotating electrical machines—
General requirements**

Part 0: Introduction and list of Parts

This Australian Standard was prepared by Committee EL/9, Rotating Electrical Machinery. It was approved on behalf of the Council of Standards Australia on 2 July 1998 and published on 5 September 1998.

The following interests are represented on Committee EL/9:

Australian British Chamber of Commerce
Australian Electrical and Electronic Manufacturers Association
Bureau of Steel Manufacturers of Australia
Confederation of Australian Industry
Department of Defence
Electricity Supply Association of Australia

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Part 0: Introduction and list of Parts

Originated as AS 1359.0—1989.
Second edition 1998.

PREFACE

This Standard was prepared by the Standards Australia Committee EL/9, Rotating Electrical Machinery, to supersede AS 1359.0—1989.

The objective of this Standard is to provide the rotating electrical machine industry and other interested parties with a list of Parts of AS 1359 and of other Standards relevant to rotating electrical machines. The list includes a synopsis for each reference.

The objective of this edition is to update the 1989 edition.

Requirements for rotating electrical machinery were first issued in 1927 by the then Australian Commonwealth Engineering Standards Association, with the publication of the following four Tentative Standard Specifications:

AS

C34—1927 Electrical performance of industrial electric motors and generators with Class A insulation

C35—1927 Electrical performance of large electric generators and motors (excluding alternators of the steam turbine driven type)
Rating permitting overloads

C36—1927 Electrical performance of large electric generators and motors (excluding alternators of the steam turbine driven type)
Continuous maximum rating

C38—1927 Electrical performance of alternators of the steam turbine driven type

In September 1932 these tentative specifications were endorsed by SAA as Australian Standard Specifications with amendment.

In 1943 AS C34—1932 was superseded by AS C34—1943, which was BS 168: 1932 endorsed without amendment.

In 1956 all the above Standards were replaced by AS C319—1956, which was an endorsement without amendment of BS 2613: 1955, *Electrical performance of rotating electrical machinery*. This was in turn superseded by AS C319—1958, which was an endorsement without amendment of BS 2613: 1957.

In 1974 AS C319—1958 was superseded by the following Parts of AS 1359, *General requirements for rotating electrical machines*:

AS

1359.1—1974 Part 1: Definitions

1359.4—1974 Part 4: Rating plate markings

1359.21—1974 Part 21: Classification of methods of cooling

1359.22—1974 Part 22: Classification of mounting arrangements and types of construction

1359.30—1974 Part 30: Duty and rating

1359.31—1974 Part 31: Service and operating conditions

1359.32—1974 Part 32: Temperature limits and measurements of temperature

1359.40—1974 Part 40: Characteristics of synchronous generators

1359.41—1974 Part 41: General characteristics

1359.60—1974 Part 60: Tests

1359.69—1974 Part 69: Tolerances

Since 1974 many of the aforementioned Parts of AS 1359 have been revised or withdrawn and other Parts have been added.

In the preparation of the AS 1359 series of Standards, account was taken of IEC 60034, *Rotating electrical machines*, and BS 4999, *General requirements for rotating electrical machines*, and acknowledgment is made of the assistance received therefrom.

NOTE: See Appendix B concerning the new numbering system for IEC publications.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

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