

AS 1359.107—1996  
IEC 34-7:1992

Australian Standard<sup>®</sup>

---

**Rotating electrical machines—  
General requirements**

**Part 107: Classification of types  
of construction and mounting  
arrangements (IM Code)**

---

[IEC title: Rotating electrical machines, Part 7: Classification of  
types of construction and mounting arrangements (IM Code)]

This Australian Standard was prepared by Committee EL/9, Rotating Electrical Machinery. It was approved on behalf of the Council of Standards Australia on 20 June 1996 and published on 5 September 1996.

---

The following interests are represented on Committee EL/9:

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

---

**Review of Australian Standards.** To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

---

*This Standard was issued in draft form for comment as DR 91242.*

AS 1359.107—1996

Australian Standard<sup>®</sup>

---

**Rotating electrical machines—  
General requirements**

**Part 107: Classification of types  
of construction and mounting  
arrangements (IM Code)**

---

PUBLISHED BY STANDARDS AUSTRALIA  
(STANDARDS ASSOCIATION OF AUSTRALIA)  
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7337 0677 0

## PREFACE

This Standard was prepared by the Standards Australia Committee EL/9 on Rotating Electrical Machinery to supersede AS 1359.22—1974, *Rotating electrical machines—General requirements, Part 22: Classification of mounting arrangements and types of construction*.

It is identical with and has been reproduced from IEC 34-7:1992, *Rotating electrical machines, Part 7: Classification of types of construction and mounting arrangements (IM Code)*

This Standard is a Part of the AS 1359 series listed in AS 1359.0, Part titled: *Introduction and list of Parts*.

The objective of this Standard is to provide the rotating electrical machine industry with the international coding for types of construction and for mounting arrangements.

The first edition (AS 1359.22) comprised the IEC Code II only.

The objective of this edition (AS 1359.107) is to align fully with the IEC coding which comprises both an alpha-numeric designation (Code I), applicable to a limited range of machine types, and an all-numeric designation (Code II), applicable to a wider range of machines, including those covered by Code I.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Copyright is vested in Standards Australia.
- (b) The number of this Standard is not reproduced on each page, its identity is shown only on the cover and title pages.
- (c) References to International Standards should be replaced by references to Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
IEC		AS	
34	Rotating electrical machines	1359	Rotating electrical machines—General requirements
34-8	Part 8: Terminal markings and direction of rotation of rotating machines	1359.3	Part 3: Direction of rotation and marking of terminals
50	International Electrotechnical Vocabulary (IEV)	1852	International electrotechnical vocabulary
50(411)	Chapter 411: Rotating machines	1852.411	Chapter 411: Rotating machines

The term 'informative' has been used in this Standard to define the application of Annex A. An 'informative' annex is only for information and guidance.

### © Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

## iii

## CONTENTS

Clause		Page
SECTION 1: SCOPE AND DEFINITIONS		
1.1	Scope . . . . .	1
1.2	Definitions . . . . .	1
SECTION 2: CODE I (ALPHA-NUMERIC DESIGNATION)		
2.1	Designation of machines with horizontal shafts . . . . .	2
2.2	Designation of machines with vertical shafts . . . . .	5
SECTION 3: CODE II (ALL-NUMERIC DESIGNATION)		
3.1	Designation . . . . .	8
3.2	Significance of the first numeral . . . . .	8
3.3	Significance of the fourth numeral . . . . .	9
3.4	Significance of the second and third numerals . . . . .	9
3.5	Examples of designations . . . . .	9
Tables		
1	Designations for machines with horizontal shafts (IM B..) . . . . .	3
2	Designations for machines with vertical shafts (IM V ..) . . . . .	5
3	Significance of the first numeral . . . . .	8
4	Significance of the fourth numeral . . . . .	9
5	Significance of second and third numerals for the first numeral 1 . . . . .	10
6	Significance of second and third numerals for the first numeral 2 . . . . .	10
7	Significance of second and third numerals for the first numeral 3 . . . . .	12
8	Significance of second and third numerals for the first numeral 4 . . . . .	13
9	Significance of second and third numerals for the first numeral 5 . . . . .	14
10	Significance of second and third numerals for the first numeral 6 . . . . .	15
11	Significance of second and third numerals for the first numeral 7 . . . . .	16
12	Significance of second and third numerals for the first numeral 8 . . . . .	17
13	Significance of second and third numerals for the first numeral 9 . . . . .	18
Annex		
A	Relationship between Code I and Code II . . . . .	19

(PAGE iv IN THE HARD COPY IS BLANK)

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-