

Specification for

Rotating electrical machines of particular types or for particular applications —

Part 25: D.C. mill auxiliary motors

[IEC title: Rotating electrical machines —
Part 13: Specification for mill auxiliary motors]

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Cooperating organizations

The Power Electrical Engineering Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following:

- Associated Offices Technical Committee
- Association of Short Circuit Testing Authorities
- British Electrical and Allied Manufacturers' Association (BEAMA)
- British Railways Board
- British Steel Corporation
- Cbmpe
- Department of Energy (Electricity)
- Electrical Contractors' Association
- Electrical Contractors' Association of Scotland
- Electricity Supply Industry in England and Wales*
- ERA Technology Ltd.*
- Institute of Purchasing and Supply
- Institution of Electrical Engineers
- Ministry of Defence*
- National Coal Board*
- National Economic Development Office
- Trades Union Congress

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the Technical Committee entrusted with the preparation of this British Standard:

- Association of Consulting Engineers
- Association of Electrical Machinery Trades
- Association of Manufacturers Allied to the Electrical and Electronic Industry (BEAMA)
- Association of Supervisory and Executive Engineers
- British Gear Manufacturers' Association
- British Internal Combustion Engine Manufacturers' Association
- British Steel Industry
- Bureau of Engineer Surveyors
- Engineer Surveyors' Section of the ASTMS
- Engineering Equipment Users' Association
- London Transport Executive
- Machine Tool Industry Research Association
- Power Generation Association (BEAMA)
- Rotating Electrical Machines Association (BEAMA)
- South of Scotland Electricity Board

This British Standard, having been prepared under the direction of the Power Electrical Engineering Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 August 1981

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National foreword

This British Standard, which has been prepared under the direction of the Power Electrical Engineering Standards Committee, supersedes BS 4362-B3:1969, which is now withdrawn, and forms a Part of BS 5000 “*Rotating electrical machines of particular types or for particular applications*” which, together with BS 4999 “*General requirements for rotating electrical machines*”, will eventually contain a comprehensive series of British Standards for rotating electrical machines.

This Part is identical with IEC Publication 34-13 “*Rotating electrical machines. Part 13 Specification for mill auxiliary motors*” published in 1980 by the International Electrotechnical Commission (IEC).

A list of the contents of BS 5000 showing all the Parts envisaged in the foreseeable future is given in the general introduction and index which will be brought up to date as new Parts are published. The contents of BS 4999 are given in a separate index and introduction to that standard.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards.

Attention is especially drawn to the following. Wherever the unit symbol “rev/min” appears it should be read as “r/min”.

Marking. In Clause 22, item b) shows an example “IEC 34-13 (1980)” which should be read as “BS 5000-25”¹⁾.

Cross-references

International Standard	Corresponding British Standard
IEC 34	BS 4999 <i>General requirements for rotating electrical machines</i>
IEC 34-1:1983	Part 101:1987 <i>Specification for rating and performance</i> (Technically equivalent)
IEC 34-5:1981	Part 105:1987 <i>Classification of degrees of protection provided by enclosures for rotating machinery</i> (Technically equivalent)
IEC 34-6:1969	Part 106:1987 <i>Classification of methods of cooling</i> (Technically equivalent)
IEC 34-7:1972	Part 107:1987 <i>Specification for symbols for types of construction and mounting arrangements</i> (Identical)
ISO 31-III:1978	BS 5775 <i>Specification for quantities, units and symbols</i> Part 3:1979 <i>Mechanics</i> (Identical)
ISO 273:1979	BS 4186:1967 <i>Recommendations for clearance holes for metric bolts and screws</i> (Technically equivalent)
ISO/R 775:1969	BS 4506:1970 <i>Shaft ends</i> (Technically equivalent)

¹⁾ Marking BS 5000-25 on or in relation to a product is a claim by the manufacturer that the product has been manufactured in accordance with the requirements of the standard. The accuracy of such a claim is therefore solely the manufacturer’s responsibility. Enquiries as to the availability of third party certification to support such claims should be addressed to the Director, British Standards Institution, Maylands Avenue, Hemel Hempstead, Herts HP2 4SQ in the case of certification marks administered by BSI or to the appropriate authority for other certification marks.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.