

Rotating electrical machines —

Part 12: Starting performance of single-speed three-phase cage induction motors for voltages up to and including 690 V, 50 Hz

The European Standard EN 60034-12:1995 with the incorporation of amendments nos. A2:1995 and A11:1999 has the status of a British Standard

ICS 29.160.30

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PEL/2, Rotating electrical machinery, upon which the following bodies were represented:

- Association of Consulting Engineers
- Association of Electrical Machinery Trades
- Association of Manufacturers of Power Generating Systems and Association of British Generating Set Manufacturers
- Electricity Association
- Engineer Surveyors Section of the MSF
- Engineering Equipment and Materials Users' Association
- ERA Technology Ltd.
- Health and Safety Executive
- Institution of Incorporated Executive Engineers
- Institution of Plant Engineers
- Ministry of Defence
- Power Generation Contractors' Association [PCGA (BEAMA Ltd.)]
- Rotating Electrical Machines Association (BEAMA Ltd.)
- United Kingdom Offshore Operators' Association

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 January 1996

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Amendments issued since publication

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10508	December 1999	Addition of paragraph to scope clause and addition of annex ZA

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National foreword

This British Standard has been prepared by Technical Committee PEL/2, and is the English language version of EN 60034-12:1995 *Rotating electrical machines. Part 12: Starting performance of single-speed three-phase cage induction motors for voltages up to and including 690 V, 50 Hz*, including Amendment A1 (to CENELEC HD 53.12 S1), and amendments A2:1995 and A11:1999 published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived by CENELEC from IEC 60034-12:1980 and its amendment No. 1:1992, and amendment No. 2:1995 published by the International Electrotechnical Commission (IEC).

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags [C] [C]. Where a common modification has been introduced by amendment, the tags carry the number of the amendment. In this case, the common modifications introduced by CENELEC amendment A11 are indicated by [C11] [C11]. Parts of the original IEC text that have been modified by CENELEC have been quoted in National annex NA.

This British Standard supersedes BS 4999-112:1987 which is withdrawn.

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Summary of pages

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English version

Rotating electrical machines
Part 12: Starting performance of single-speed three-phase
cage induction motors for voltages up to and
including 690 V, 50 Hz

(includes amendments A2:1995 and A11:1999)

(IEC 60034-12:1980 + A1:1992 + A2:1995, modified)

Machines électriques tournantes
Partie 12: Caractéristiques de démarrage des
moteurs triphasés à induction à cage à une
seule vitesse pour des tensions d'alimentation
inférieures ou égales à 690 V, 50 Hz
(inclut les amendements A2:1995 et A11:1999)
(CEI 60034-12:1980 + A1:1992 + A2:1995,
modifiée)

Drehende elektrische Maschinen
Teil 12: Anlaufverhalten von
Drehstrommotoren mit Käfigläufer,
ausgenommen polumschaltbare Maschinen, für
Spannungen bis einschließlich 690 V, 50 Hz
(enthält Änderungen A2:1995 und A11:1999)
(IEC 60034-12:1980 + A1:1992 + A2:1995,
modifiziert)

This European Standard was approved by CENELEC on 1995-07-04. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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