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Third edition
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Reciprocating internal combustion engine driven alternating current generating sets —

Part 3: Alternating current generators for generating sets

*Groupes électrogènes à courant alternatif entraînés par moteurs
alternatifs à combustion interne —*

Partie 3: Alternateurs pour groupes électrogènes



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 70, *Internal combustion engines*, together with IEC/TC 2, *Rotating electrical machines*, by merging this document with IEC 60034-22:2009.

This third edition cancels and replaces the second edition (ISO 8528-3:2005), which has been technically revised.

The main changes compared to the previous edition are as follows:

- [Clause 7](#) (ISO 8528-3:2005, Clause 9) has been updated with requirements for isochronous operation and grid parallel operation;
- requirements for asynchronous generators have been integrated in [Clause 8](#) (ISO 8528-3:2005, Clause 10);
- new power rating “GPO” has been introduced for grid parallel operation;
- operating limits have been revised;
- new clauses have been added for specifying “bearings” and “maintenance”;
- identification markings BR and PR have been eliminated.

A list of all parts in the ISO 8528 series can be found on the ISO website.

Any feedback or questions on this document shall be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.