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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Guidance for installation procedures and tolerances of hydroelectric machines – Part 2: Vertical generators

Lignes directrices des procédures et tolérances d'installation des machines hydroélectriques – Partie 2: Alternateurs verticaux

IEC 63132-2:2020-04(en-fr)

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colour inside

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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GUIDANCE FOR INSTALLATION PROCEDURES AND TOLERANCES OF HYDROELECTRIC MACHINES –

Part 2: Vertical generators

FOREWORD

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International Standard IEC 63132-2 has been prepared by IEC technical committee 4: Hydraulic turbines.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
4/381/FDIS	4/391/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 63132 series, published under the general title *Guidance for installation procedures and tolerances of hydroelectric machines*, can be found on the IEC website

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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GUIDANCE FOR INSTALLATION PROCEDURES AND TOLERANCES OF HYDROELECTRIC MACHINES –

Part 2: Vertical generators

1 Scope

The purpose of this part of IEC 63132 is to establish, in a general way, suitable procedures and tolerances for installation of generator. This document presents a typical assembly. There are many possible ways to assemble a unit. The size of the machines, design of the machines, layout of the powerhouse or delivery schedule of the components are some of the elements that could result in additional steps, the elimination of some steps and/or assembly sequences.

It is understood that a publication of this type will be binding only if, and to the extent that, both contracting parties have agreed upon it.

This document excludes matters of purely commercial interest, except those inextricably bound up with the conduct of installation.

This document applies to vertical generators according to IEC 60034-7[1].

The tolerances in this document have been established upon best practices and experience, although it is recognized that other standards specify different tolerances.

Brushless excitation system is not included in this document.

Wherever this document specifies that documents, drawings or information is supplied by a manufacturer (or by manufacturers), each individual manufacturer will furnish the appropriate information for their own supply only.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60034-7:-, *Rotating electrical machines - Part 7: Classification of types of constructions, mounting arrangements and terminal box position (IM Code)*[2]

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

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1 Third edition under preparation. Stage at the time of publication: IEC/ACDV 60034-7:2019.

2 Third edition under preparation. Stage at the time of publication: IEC/ACDV 60034-7:2019.