SLOVENSKI STANDARD
SIST EN IEC 63132-2:2020

01-september-2020

Navodila za postopke vgradnje in tolerance hidroelektričnih strojev - 2. del: Vertikalni generator (IEC 63132-2:2020)

Guide for installation procedures and tolerances of hydroelectric machines - Part 2: Vertical generator (IEC 63132-2:2020)

Leitfaden für Installations-Prozeduren und -Toleranzen von hydroelektrischen Maschinen – Teil 2: Vertikale Generatoren (IEC 63132-2:2020)

Guide des procédures et tolérances d'installation des machines hydroélectriques - Partie 2: Alternateur vertical (IEC 63132-2:2020)

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27.140	Vodna energija	Hydraulic energy engineering

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EUROPEAN STANDARD

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English Version

Guidance for installation procedures and tolerances of hydroelectric machines - Part 2: Vertical generators (IEC 63132-2:2020)

Lignes directrices des procédures et tolérances d'installation des machines hydroélectriques - Partie 2: Alternateurs verticaux
(IEC 63132-2:2020)

Leitfaden für Installations-Prozeduren und -Toleranzen von hydroelektrischen Maschinen - Teil 2: Vertikale Generatoren
(IEC 63132-2:2020)

This European Standard was approved by CENELEC on 2020-05-25. 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.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 63132-2:2020 E

European foreword

The text of document 4/381/FDIS, future edition 1 of IEC 63132-2, prepared by IEC/TC 4 "Hydraulic turbines" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63132-2:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-02-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-25

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 63132-2:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 63132-1	NOTE	Harmonized as EN IEC 63132-1
IEC 63132-3	NOTE	Harmonized as EN IEC 63132-3
IEC 63132-4	NOTE	Harmonized as EN IEC 63132-4

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60034-7[1]	-	Rotating electrical machines - Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code)	-	-

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

IEC 63132-2

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

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

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GUIDANCE FOR INSTALLATION PROCEDURES AND TOLERANCES OF HYDROELECTRIC MACHINES –

Part 2: Vertical generators

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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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 60034-71.

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.