



SLOVENSKI STANDARD SIST EN ISO 8849:2004

01-september-2004

Nadomešča:

SIST EN 28849:2000

SIST EN 28849:2000/A1:2001

Mala plovila – Električne kalužne črpalke za enosmerno napetost (ISO 8849:2003)

Small craft - Electrically operated direct-current bilge-pumps (ISO 8849:2003)

Kleine Wasserfahrzeuge - Elektrisch angetriebene Gleichstrom-Bilgepumpen (ISO 8849:2003)

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Petits navires - Pompes de cale a moteur électrique en courant continu (ISO 8849:2003)

[SIST EN ISO 8849:2004](https://standards.iteh.ai/catalog/standards/sist/b871c9ec-5e88-429a-9e84-55697bdd714f/sist-en-iso-8849-2004)

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Ta slovenski standard je istoveten z: EN ISO 8849:2003

ICS:

47.020.60	Električna oprema ladij in konstrukcij na morju	Electrical equipment of ships and of marine structures
47.080	Čolni	Small craft

SIST EN ISO 8849:2004

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8849

October 2003

ICS 47.080

Supersedes EN 28849:1993

English version

**Small craft - Electrically operated direct-current bilge-pumps
(ISO 8849:2003)**

Petits navires - Pompes de cale à moteur électrique en
courant continu (ISO 8849:2003)

Kleine Wasserfahrzeuge - Elektrisch angetriebene
Gleichstrom- Bilgepumpen (ISO 8849:2003)

This European Standard was approved by CEN on 1 September 2003.

CEN 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 Management Centre or to any CEN 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 CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 8849:2003 (E)

CORRECTED 2003-12-03

Foreword

This document (EN ISO 8849:2003) has been prepared by Technical Committee ISO/TC 188 "Small craft", the secretariat of which is held by CMC.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2004, and conflicting national standards shall be withdrawn at the latest by April 2004.

This document supersedes EN 28849:1993.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZB, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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Endorsement notice

The text of ISO 8849:2003 has been approved by CEN as EN ISO 8849:2003 without any modifications.

NOTE Normative references to International Standards are listed in annex ZA (normative).

Annex ZA

(normative)

Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

Publication	Year	Title	EN	Year
ISO 8846	1990	Small craft - Electrical devices - Protection against ignition of surrounding flammable gases	EN 28846	1993
ISO 10133	2000	Small craft - Electrical systems - Extra low-voltage d.c. installations	EN ISO 10133	2000

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Annex ZB (informative)

Clauses of this European Standard addressing essential requirements or other provisions of EU Directives

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of EU Directive 94/25/EEC.

WARNING: Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.

The following clauses of this standard, as detailed in table ZA, are likely to support requirements of Directive 94/25/EEC.

Compliance with the clauses of this standard provides one means of conforming with the specific essential requirements of the Directive concerned and associated EFTA regulations.

Table ZA: Correspondence between this European Standard and EU Directives

Clauses/sub-clauses of this European Standard	Corresponding annexes/paragraphs of Directive 94/25/EEC	Comments
All clauses	SIST EN ISO 8849:2004 Annex I, Clause 3.5, Flooding Annex I, Clause 5.3, Electrical system	Electric bilge pumps in compliance with this standard are designed to be suitable for recreational craft
4.2	Annex II, Components, 1, Ignition-protected equipment for inboard and stern drive engines	

INTERNATIONAL STANDARD

**ISO
8849**

Second edition
2003-10-01

Small craft — Electrically operated direct-current bilge pumps

Petits navires — Pompes de cale à moteur électrique en courant continu

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Reference number
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 8849 was prepared by Technical Committee ISO/TC 188, *Small craft*.

This second edition cancels and replaces the first edition (ISO 8849:1990), which has been technically revised.

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