

STN	Malé plavidlá Elektricky poháňané drenážne čerpadlá (ISO 8849:2020)	STN EN ISO 8849 32 0880
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Small craft - Electrically operated bilge pumps (ISO 8849:2020)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/21

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EUROPEAN STANDARD

EN ISO 8849

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Supersedes EN ISO 8849:2018

English Version

Small craft - Electrically operated bilge pumps (ISO 8849:2020)Petits navires - Pompes de cale à moteur électrique
(ISO 8849:2020)Kleine Wasserfahrzeuge - Elektrisch angetriebene
Bilgepumpen (ISO 8849:2020)

This European Standard was approved by CEN on 16 May 2020.

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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 CEN 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 STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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European foreword

This document (EN ISO 8849:2021) has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with CCMC.

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of an identical text or by endorsement, at the latest by November 2021, and conflicting national standards shall be withdrawn at the latest by May 2022.

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

This document supersedes EN ISO 8849:2018.

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 the relationship with EU Directive(s) see informative Annex ZA, 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, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 8849:2020 has been approved by CEN as EN ISO 8849:2021 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the essential requirements of Directive 2013/53/EU aimed to be covered

This European standard has been prepared under a Commission's standardization request M/542 C(2015) 8736 final to provide one voluntary means of conforming to essential requirements of Directive 2013/53/EU.

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 - Correspondence between this European Standard and Directive 2013/53/EU

Essential Requirements of Directive 2013/53/EU	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
Annex I, Part A, 2.5 – Owner's manual	4.10, 7	
Annex I, Part A, 3.5 – Flooding, (c) removal of water by pumps or other means.	4, 5, 6	In respect of electrically operated bilge pumps intended for the removing bilge water only. This International Standard does not cover pumps intended for damage control.
Annex I, Part A, 5.3 - Electrical system	4.3, 4.8, 5	In respect of the electrical requirements to ensure the proper operation of electrically operated bilge pumps only. This International Standard does not deal with the following elements of this essential requirement; <ul style="list-style-type: none"> • Electric shock; • Interaction with electric propulsion circuits; • Battery ventilation
Annex I, Part A, 5.6.1 – Fire protection, General	4.2, 4.9, 4.10, 5.3	In respect of preventing a fire hazard
Annex II, Components (1) Ignition protected equipment for inboard and stern drive engines and petrol tank spaces	4, 5.1 to 5.4 inclusive, 6	This standard is relevant in respect of the requirements for ignition protected electrically operated bilge pumps that are suitable for watercraft with

		inboard or stern drive engines and petrol tank spaces and which are supplied as components.
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WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

INTERNATIONAL STANDARD

ISO
8849

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2020-12

Small craft — Electrically operated bilge pumps

Petits navires — Pompes de cale à moteur électrique



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ISO 8849:2020(E)

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 188, *Small craft*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 464, *Small craft*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 8849:2003), which has been technically revised.

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

- clarified scope and applicable voltages;
- added Clause 7, Owner's manual.

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

Small craft — Electrically operated bilge pumps

1 Scope

This document specifies requirements for electrically operated bilge pumps intended for use in removing bilge water. It applies to:

- direct current (DC) bilge pumps which operate at a nominal voltage not exceeding 50 V; and
- single phase alternating current (AC) bilge pumps which operate at a nominal voltage not exceeding 250 V.

It does not cover pumps intended for damage control.

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.

ISO 8846:1990, *Small craft — Electrical devices — Protection against ignition of surrounding flammable gases*

ISO 13297:2020, *Small craft — Electrical systems — Alternating and direct current installations*

IEC 60529:2013, *Degrees of protection provided by enclosures (IP Code)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN