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**Mala plovila - Vgrajeni dizelski motorji - Nameščene komponente za gorivo in električno (ISO 16147:2002)**

Small craft - Inboard diesel engines - Engine-mounted fuel and electrical components (ISO 16147:2002)

Kleine Wasserfahrzeuge - Eingebaute Dieselmotoren - Am Motor befestigte Kraftstoff- und Elektrikbauteile (ISO 16147:2002)

Petits navires - Moteurs intérieurs diesels - Éléments des circuits d'alimentation et des systèmes électriques fixés sur le moteur (ISO 16147:2002)

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**Ta slovenski standard je istoveten z: EN ISO 16147:2002**

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**ICS:**

47.020.20	Ladijski motorji	Marine engines and propulsion systems
47.080	Čolni	Small craft

**SIST EN ISO 16147:2003**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 16147**

October 2002

ICS 47.080

English version

**Small craft - Inboard diesel engines - Engine-mounted fuel and electrical components (ISO 16147:2002)**

Petits navires - Moteurs intérieurs diesels - Eléments des circuits d'alimentation et des systèmes électriques fixés sur le moteur (ISO 16147:2002)

Kleine Wasserfahrzeuge - Eingebaute Dieselmotoren - Am Motor befestigte Kraftstoff- und Elektrikbauteile (ISO 16147:2002)

This European Standard was approved by CEN on 9 October 2002.

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, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, 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 16147:2002 (E)

CORRECTED 2002-11-27

**Foreword**

This document (ISO 16147:2002) has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with 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 2003, and conflicting national standards shall be withdrawn at the latest by April 2003.

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, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

**STANDARD PREVIEW**  
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**Endorsement notice**

The text of ISO 16147:2002 has been approved by CEN as EN ISO 16147:2002 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 7840	1994	Small craft - Fire resistant fuel hoses	EN ISO 7840	1995
ISO 8846	1990	Small craft - Electrical devices - Protection against ignition of surrounding flammable gases	EN 28846	1993
ISO 10088	2001	Small craft - Permanently installed fuel systems and fixed fuel tanks	EN ISO 10088	2001
ISO 10133	2000	Small craft - Electrical systems - Extra-low-voltage d.c. installations	EN ISO 10133	2000

## 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/EC.

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

The following clauses of this standard, as detailed in Table ZB.1, are likely to support requirements of Directive 94/25/EC.

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 ZB.1: Correspondence between this European Standard and EU Directives**

Clauses/sub-clauses of this European Standard	Corresponding annexes/ paragraphs of Directive 94/25/EC	Comments
All clauses	Annex 1, Clause 5.1.1, Inboard engines <a href="https://standards.iteh.ai/catalog/standards/sist/95c79949-0a2b-4b70-920c-b56f61bd120c/iso-16147-2003">https://standards.iteh.ai/catalog/standards/sist/95c79949-0a2b-4b70-920c-b56f61bd120c/iso-16147-2003</a>	
5	Annex 1, Clause 5.2.1, Fuel system	
6	Annex 1, Clause 5.3, Electrical system	

# INTERNATIONAL STANDARD

**ISO**  
**16147**

First edition  
2002-10-15

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## **Small craft — Inboard diesel engines — Engine-mounted fuel and electrical components**

*Petits navires — Moteurs intérieurs diesels — Éléments des circuits  
d'alimentation et des systèmes électriques fixés sur le moteur*

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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 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16147 was prepared by Technical Committee ISO/TC 188, *Small craft*.

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