
Mala plovila - Zračenje bencinskega motorja in/ali prostorov za bencinski tank (ISO 11105:1997)

Small craft - Ventilation of petrol engine and/or petrol tank compartments (ISO 11105:1997)

Kleine Wasserfahrzeuge - Belüftung von Räumen mit Ottomotoren und/oder Benzintanks (ISO 11105:1997)

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Navires de plaisance - Ventilation des compartiments moteur a essence et/ou réservoir a essence (ISO 11105:1997)

[SIST EN ISO 11105:2000](https://standards.iteh.ai/catalog/standards/sist/de4d8019-f188-4012-adc9-c04317fea1fd/sist-en-iso-11105-2000)

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Ta slovenski standard je istoveten z: EN ISO 11105:1997

ICS:

47.020.20 Ladijski motorji Marine engines and propulsion systems

47.080 Čolni Small craft

SIST EN ISO 11105:2000

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EUROPEAN STANDARD

EN ISO 11105

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 1997

ICS 47.020.20; 47.080

Descriptors: shipbuilding, small craft, accident prevention, explosive atmospheres, explosion proofing, ventilation, specifications

English version

**Small craft - Ventilation of petrol engine and/or
petrol tank compartments (ISO 11105:1997)**

Navires de plaisance - Ventilation des
compartiments moteur à essence et/ou réservoir
à essence (ISO 11105:1997)

Kleine Wasserfahrzeuge - Belüftung von Räumen
mit Ottomotoren und/oder Bezintanks
(ISO 11105:1997)

This European Standard was approved by CEN on 1997-03-20. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat 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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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CEN

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

Central Secretariat: rue de Stassart,36 B-1050 Brussels

Page 2
EN ISO 11105:1997

Foreword

The text of the International Standard ISO 11105:1997 has been prepared by Technical Committee ISO/TC 188 "Small craft" in collaboration with the Technical Board of CEN.

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 1997, and conflicting national standards shall be withdrawn at the latest by November 1997.

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(s).

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11105:1997 has been approved by CEN as a European Standard without any modification.

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

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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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 8846	1990	Small craft - Electrical devices - Protection against ignition of surrounding flammable gases	EN 28846	1993
ISO 9097	1991	Small craft – Electric fans	EN ISO 9097	1994

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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/EC.

WARNING: Other requirements and other EU Directive may be applicable to the product(s) failing 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
7	2.5 of Annex 1, Owner's manual	
5.2, 5.3, 5.4, 6.3	3.5 of Annex 1, Flooding	
4, 5, 6	5. 1.1 of Annex 1, Inboard engines	
5, 6	5.1.2 of Annex 1, Ventilation	
4, 5, 6	5.2 of Annex 1, Fuel tanks	

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INTERNATIONAL STANDARD

ISO 11105

Second edition
1997-05-15

Small craft — Ventilation of petrol engine and/or petrol tank compartments

*Navires de plaisance — Ventilation des compartiments moteur à essence
et/ou réservoir à essence*

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<https://standards.iteh.ai/catalog/standards/sist/de4d8019-f188-4012-adc9-c04317feaf1fd/sist-en-iso-11105-2000>



Reference number
ISO 11105:1997(E)

ISO 11105:1997(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.

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.

International Standard ISO 11105 was prepared by Technical Committee ISO/TC 188, *Small craft*.

This second edition cancels and replaces the first edition (ISO 11105:1995), definition 3.2, subclauses 4.3.1 and 4.3.2, of which have been deleted. Additionally, subclause 4.4 and figure 1 have been amended.

Annex A of this International Standard is for information only.

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Small craft — Ventilation of petrol engine and/or petrol tank compartments

1 Scope

This International Standard specifies requirements for ventilation of petrol engine and petrol tank compartments in small craft of up to 24 m length of hull, having petrol engines for propulsion, electrical generation or mechanical power, to prevent accumulation of explosive gases in these compartments. Personal watercraft are not covered.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

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

ISO 9097:1991, *Small craft — Electric fans.*

ISO 11192:—¹⁾, *Small craft — Graphical symbols.*

3 Definition

For the purposes of this International Standard, the following definition applies.

3.1 open to atmosphere: Compartment or space having at least 0,34 m² of permanent open area directly exposed to the atmosphere for each cubic metre of net compartment volume.

4 General requirements

4.1 Natural ventilation shall be provided in petrol engine and petrol tank compartments in accordance with clause 5.

4.2 Powered ventilation shall be provided in petrol engine compartments in accordance with clause 6.

4.3 The ventilation duct sizes and airflow requirements shall be calculated based on compartment volumes.

1) To be published.