

norm

NEN-EN-ISO 9785 (en)

Scheepsbouw en maritieme techniek -
Ventilatie van laadruimen waar voertuigen
met verbrandingsmotor zijn toegelaten -
Berekening van de theoretisch totaal
benodigde luchtstroom
(ISO 9785:2002,IDT)

Ships and marine technology - Ventilation of cargo spaces where
vehicles with internal combustion engines are driven - Calculation of
theoretical total airflow required (ISO 9785:2002,IDT)

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Ontw.

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- EN ISO 9785:2002,IDT
- ISO 9785:2002,IDT

Normcommissie 345 040 "Schepen en maritieme techniek"

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English version

**Ships and marine technology - Ventilation of cargo spaces
where vehicles with internal combustion engines are driven -
Calculation of theoretical total airflow required (ISO 9785:2002)**

Navires et technologie maritime - Ventilation des espaces
cargaison des navires dans lesquels des véhicules à
moteur à combustion interne sont utilisés - Calcul du débit
d'air total théorique exigé (ISO 9785:2002)

Schiffe und Meerestechnik - Lüftung von Laderäumen, in
denen Kraftfahrzeuge mit Verbrennungsmotoren betrieben
werden dürfen - Berechnung des theoretisch benötigten
Gesamt-Luftvolumenstroms (ISO 9785:2002)

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Foreword

This document (EN ISO 9785:2002) has been prepared by Technical Committee ISO/TC 8 "Ships and marine technology" in collaboration with Technical Committee CEN/TC 300 "Sea-going vessels and marine technology", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2003, and conflicting national standards shall be withdrawn at the latest by January 2003.

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.

NOTE FROM CMC The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

Endorsement notice

The text of the International Standard ISO 9785:2002 has been approved by CEN as a European Standard without any modifications.

**Ships and marine technology — Ventilation
of cargo spaces where vehicles with
internal combustion engines are driven —
Calculation of theoretical total airflow
required**

*Navires et technologie maritime — Ventilation des espaces cargaison des
navires dans lesquels des véhicules à moteur à combustion interne sont
utilisés — Calcul du débit d'air total théorique exigé*

Preview



Reference number
ISO 9785:2002(E)

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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.

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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.

International Standard ISO 9785 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 3, *Piping and machinery*.

This second edition cancels and replaces the first edition (ISO 9785:1990), which was revised for continued consistency with International Marine Organization provisions for calculating required ventilation in cargo spaces where vehicles with internal combustion engines may be driven.

Annex A forms a normative part of this International Standard. Annex B is for information only.

Introduction

The purpose of this International Standard is to ensure that exposure to substances hazardous to health should be kept as low as is reasonably practicable in work areas in cargo spaces in ships. This can, as a rule, be achieved by limiting exhaust gas emissions as far as possible (by controlling the traffic) and by providing a high flow of air in the cargo spaces. For further information and guidance regarding good practice, please refer to recent guidelines developed by the International Maritime Organization which are contained in the IMO Maritime Safety Committee Circular 729 (MSC Circ. 729), *Guidelines and Operational Recommendations for Ventilation Systems in RO-RO Cargo Spaces*.

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