
Leisure accommodation vehicles - Liquid fuel heating systems- Part 1: Caravans and mobile homes (caravan holiday homes)

Leisure accommodation vehicles - Liquid fuel heating systems- Part 1: Caravans and mobile homes (caravan holiday homes)

Bewohnbare Freizeitfahrzeuge - Mit flüssigem Brennstoff betriebene Heizungssysteme - Teil 1: Caravans und Mobilheime

Véhicules habitables de loisirs - Systemes de chauffage a combustibles liquides - Partie 1: Caravanes et résidences mobiles

STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/099af3f9-c5f8-4e5c-b3af-01d8d2c75622/sist-en-722-1-2000>

Ta slovenski standard je istoveten z: EN 722-1:1996

ICS:

43.040.60	Karoserije in deli karoserij	Bodies and body components
43.100	Osebni avtomobili. Bivalne prikolice in lahke prikolice	Passenger cars. Caravans and light trailers

SIST EN 722-1:2000**en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 722-1:2000

<https://standards.iteh.ai/catalog/standards/sist/099af3f9-c5f8-4e5c-b3af-01d8d2c75622/sist-en-722-1-2000>

EUROPEAN STANDARD

EN 722-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 1996

ICS 91.140.20

Descriptors: mobile homes, caravans, heatings, liquid fuel appliances, specifications, assembling

English version

**Leisure accommodation vehicles - Liquid fuel
heating systems - Part 1: Caravans and mobile
homes (caravan holiday homes)**

Véhicules habitables de loisirs - Systèmes de
chauffage à combustibles liquides - Partie 1:
Caravanes et résidences mobiles

Bewohnbare Freizeitfahrzeuge - Mit flüssigem
Brennstoff betriebene Heizungssysteme - Teil 1:
Caravans und Mobilheime

(standards.iteh.ai)

SIST EN 722-1:2000

<https://standards.iteh.ai/catalog/standards/sist/099a3f9-c5f8-4e5c-b3af-01d8d2c75622/sist-en-722-1-2000>

This European Standard was approved by CEN on 1995-11-09. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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 722-1:1996

Contents		Page
	Foreword	3
1	Scope	4
2	Normative references	4
3	Definitions	4
4	Requirements	5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 722-1:2000

<https://standards.iteh.ai/catalog/standards/sist/099ab319-c5f8-4e5c-b3af-01d8d2c75622/sist-en-722-1-2000>

Foreword

This European Standard is based on ISO 7420 "Leisure accommodation vehicles - Oil fired heating systems", and has been prepared by the Technical Committee CEN/TC 245 "Leisure accommodation vehicles" of which the secretariat is held by BSI.

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 July 1996, and conflicting national standards shall be withdrawn at the latest by July 1996.

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

This European standard is part one of a two part standard concerned with liquid fuel heating systems for leisure accommodation vehicles

EN 722-1 Leisure accommodation vehicles - Liquid fuel heating systems - Part 1: Caravans and mobile homes (caravan holiday homes)

prEN 722-2 Leisure accommodation vehicles - Liquid fuel heating systems - Part 2: Motor caravans

¹⁾ In course of preparation

Page 4
EN 722-1:1996

1 Scope

This European Standard specifies requirements for installing oil-fired heating systems in caravans and mobile homes with reference to safety. It applies to installations using oil fuels as defined in EN 27418.

2 Normative references

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.

- EN 27418 Leisure accommodation vehicles - Vocabulary
- prEN 721 Leisure accommodation vehicles - Ventilation requirements
- ISO 9227: 1991 Corrosion tests in artificial atmospheres - Salt spray tests
- SIST EN 722-1:2000
<https://standards.iteh.ai/catalog/standards/sist/099af319-c518-4e5c-b3af-01d8d2c75622/sist-en-722-1-2000>

3 Definitions

For the purposes of this standard the definitions given in EN 27418 apply.

4 Requirements

4.1 Requirements for the installation of oil fired heating systems in caravans and mobile homes

4.1.1 Oil tanks

4.1.1.1 Location

Oil tanks shall be located so as to permit filling and draining from outside and if separate from the heating appliance shall be placed in a fuel storage compartment or fuel storage housing. This compartment or housing shall be ventilated to the outside of the leisure accommodation vehicle and an opening shall be provided at the bottom to permit the drainage of water to the outside of the leisure accommodation vehicle.

4.1.1.2 Stopcock

A stopcock shall be provided at the outlet of each tank. It shall be readily accessible.

4.1.1.3 Capacity

The capacity of the tank to the installation shall not exceed 50 l for caravans and 200 l for mobile homes.

4.1.2 Installation of the systems and heating appliances

4.1.2.1 General

For caravans, only room-sealed appliances shall be used.

The installation shall be carried out in accordance with the instructions of the manufacturers of the equipment and appliances, taking account of the ventilation requirements specified in prEN 721.

4.1.2.2 *Products of combustion*

All heating appliances shall be installed in such a way that the products of combustion shall be ducted to the outside of the leisure accommodation vehicle. They shall be sealed so that fumes resulting from combustion shall not escape into the interior of the leisure accommodation vehicle. Combustion products shall not be evacuated under the leisure accommodation vehicle or nearer than 300 mm to an opening window or ventilator.

4.1.2.3 *Combustion air for mobile homes (caravan holiday homes)*

For mobile homes, heating appliances which draw their combustion air from inside the leisure accommodation vehicle are permitted.

4.1.2.4 *Accessibility*

Every appliance shall be accessible for inspection, service, repair or replacement.

4.1.2.5 *Leakage*

Provision shall be made to ensure that, in the case of leakage from the system, no fuel shall be dispersed inside the leisure accommodation vehicle, whether the tank is integral with an appliance or not.

ITeH STANDARD PREVIEW
(standards.iteh.ai)
SIST EN 722-1:2000
<https://standards.iteh.ai/catalog/standards/sist/099a3f9-c5f8-4e5c-b3af-01d8d2c75622/sist-en-722-1-2000>

4.1.3 *Fuel pipes*

4.1.3.1 *General*

The bore of piping shall not be restricted either through bending or cutting. There shall be no contact between the piping and electrical cables.

4.1.3.2 *Materials*

Pipework shall be of seam-welded steel or of seamless steel, stainless steel or copper.

4.1.3.3 *Corrosion protection*

Steel pipe shall show no external sign of corrosion after being submitted to a neutral salt spray test for 48 h in accordance with ISO 9227.

4.1.3.4 *Joints*

Connections shall be made by flat faced washered joints or compression joints. Soft soldered joints shall not be used. Joints shall be accessible and secured so that they are not affected by vibration.

4.1.3.5 *Protection*

Pipework shall be protected against mechanical damage, either by its location or by grommets or other means, where necessary.

4.1.4 *Flues*

4.1.4.1 *Flue pipes*

Flue pipes shall be sealed to prevent the products of combustion entering the leisure accommodation vehicle and shall be constructed of non-combustible material, which shall be compatible with the characteristics of the appliance and the manufacturer's installation instructions. Flue pipes shall remain firmly in position particularly in the case of leisure accommodation vehicles in motion.

4.1.4.2 *Weather protection*

<https://standards.iteh.ai/catalog/standards/sist/099af3f9-c5f8-4e5c-b3af-01d8d2c75622/sist-en-722-1-2000>

Where a flue pipe passes through a wall or roof, measures shall be taken to prevent ingress of rain. The flue terminal shall be fitted with a weather cap, so designed as not to obstruct the emission of flue gases.

4.1.4.3 *Draught diverters and dampers for mobile homes (caravans holiday home)*

When a draught diverter is fitted, it shall be integral with an appliance or immediately adjacent to it. No additional draught diverter or damper that restricts the area of a flue shall be fitted.

4.1.4.4 *Accessibility of flues for inspection*

Means shall be provided to allow periodic inspection of the whole of the circumference and length of uninsulated flue pipes or the flue ends and attachments and the whole of the outside of the insulating sleeve of insulated flue pipes. Panels or structure shall be removable by means of a simple tool such as a screwdriver. It shall be permissible to carry out an inspection by the use of a hand-held mirror or by feel as an acceptable alternative to direct visual inspection.

NOTE: Provision should be made to ensure accessibility by an inspecting engineer or other suitably qualified person to the flue pipe assembly.