SLOVENSKI STANDARD
oSIST prEN 15332:2017

01-maj-2017

Kotli za gretje - Energijsko ocenjevanje hranilnikov tople vode

Heating boilers - Energy assessment of hot water storage systems

Heizkessel - Energetische Bewertung von Warmwasserspeichern

Chaudières de chauffage - Évaluation de la performance énergétique des préparateurs d'eau chaude

Ta slovenski standard je istoveten z: **prEN 15332**

ICS:

27.015	Energijska učinkovitost. Ohranjanje energije na splošno	Energy efficiency. Energy conservation in general
27.060.01	Gorilniki in grelniki vode na splošno	Burners and boilers in general
91.140.65	Oprema za ogrevanje vode	Water heating equipment

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EUROPEAN STANDARD

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English Version

Heating boilers - Energy assessment of hot water storage systems

Chaudières de chauffage - Évaluation de la performance énergétique des préparateurs d'eau chaude

Heizkessel - Energetische Bewertung von Warmwasserspeichern

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (prEN 15332:2017) has been prepared by Technical Committee CEN/TC 57 "Central heating boilers", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 15332:2007.

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 Annexes ZA and ZB, which are an integral part of this document.

1 Scope

This European Standard specifies a method for the energy assessment of a domestic/sanitary hot water storage tanks of up to 2 000 l. Whilst water heaters intended primarily for direct heating are not covered by this European Standard, it does allow the provision of electric heating elements for auxiliary use.

Primary heating buffer tanks are not covered by this standard.

Heat losses of domestic hot water storage tanks integrated into liquid fuel combi boilers marketed as a single unit are tested according to EN 303-6.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Not applicable.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
indirectly heated un-vented (closed) hot water storage tanks
storage vessels used for heating up domestic hot water with an external heat source where the hot water side is not vented to atmosphere, including all devices delivered with it

3.2
hot water side
side of the storage tank which contains domestic hot water

Note 1 to entry: If a mixing valve is delivered with the storage tank, it is considered as part of the hot water side.

3.3
heating side
side of the storage tank which contains the heating medium

3.4
temperature of the cold water
T_c
temperature at the entrance of the hot water side of the storage tank, in °C

3.5
temperature of the warm water
T_w
temperature at the outlet of the hot water side, in °C

3.6
usable hot water temperature
T_u
minimum temperature for the hot water to be usable

Note 1 to entry: Minimum temperature for the hot water defined here as difference between the temperature of the warm water T_w = 45 °C minus the temperature of cold water T_c = 10 °C ($T_u = T_w - T_c$ = 35 K).