KÜTTEKATLAD. KUUMAVEESALVESTITE ENERGIAHINNANG

Heating boilers - Energy assessment of hot water storage tanks

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

See Eesti standard EVS-EN 15332:2019 sisaldab Euroopa standardi EN 15332:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 15332:2019 consists of the English text of the European standard EN 15332:2019.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 23.10.2019.	Date of Availability of the European standard is 23.10.2019.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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Heating boilers - Energy assessment of hot water storage tanks

Chaudières de chauffage - Évaluation énergétique des ballons d'eau chaude

Heizkessel - Energetische Bewertung von Warmwasserspeichern

This European Standard was approved by CEN on 9 September 2019.

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

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Contents

Page

European foreword

This document (EN 15332:2019) has been prepared by Technical Committee CEN/TC 57 “Central heating boilers”, 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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15332:2007.

EN 15332:2019 includes the following significant technical changes with respect to EN 15332:2007:

— Scope was updated

— Normative references were updated

— Terms and definitions were updated

— Evaluation of energy efficiency was introduced

— The measurement section was made more concise

— Addition of Annex ZA

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.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This document specifies a method for the energy assessment of domestic/sanitary hot water storage tanks of up to 2 000 l.

Whilst this document does not cover water heaters intended primarily for direct heating, it does allow the provision of electric heating elements for auxiliary use.

Primary heating buffer tanks are not covered by this document. Heat losses of domestic hot water storage tanks integrated into combi boilers marketed as a single unit are not covered by this document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

3.1
indirectly heated un-vented hot water storage tanks
indirectly heated 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 permanently vented to the atmosphere, including all devices delivered with it

3.2
domestic water side
potable 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 to be 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 inlet of the domestic water side of the storage tank, in °C

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