

Ühe põletiga ülalt kiirgavad gaasküttega torusoojendid ja väljaspool kodumajapidamist kasutatavad ülalt helendavad gaasküttega kiirgussoojendid. Osa 1: Energiasäästliku kasutuse nõuded ja katsemeetodid. Radiomeetriline meetod A

Single burner gas-fired overhead radiant tube heaters and non-domestic gas-fired overhead luminous radiant heaters - Part 1: Requirements and test methods for establishing the rational use of energy - Radiometric method A

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-ENV 1259-1:1999 sisaldab Euroopa standardi ENV 1259-1:1994 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 23.11.1999 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

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This standard is ratified with the order of Estonian Centre for Standardisation dated 23.11.1999 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

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Descriptors: gas appliances, heaters, radiant, heaters, radiation, specifications, measurements, thermal efficiency, tests

English version

**Single burner gas-fired overhead radiant tube
heaters and non-domestic gas-fired overhead
luminous radiant heaters - Part 1: Requirements
and test methods for establishing the rational use
of energy - Radiometric method A**

Tubes radiants suspendus à mono-brûleur au gaz
et appareils surélevés de chauffage à
rayonnement lumineux au gaz à usage
non-domestique - Partie 1: Exigences et
méthodes d'essais pour la détermination de
l'utilisation rationnelle d'énergie - Méthode
radiométrique A

Dunkelstrahler mit einem Brenner und
kommerzielle Gasleucht-Deckenstrahlheizer -
Teil 1: Anforderungen und Prüfverfahren zur
Bestimmung der rationellen Verwendung von
Energie - Radiometrisches Verfahren A

This European Prestandard (ENV) was approved by CEN on 1993-10-08 as a prospective standard for provisional application. The period of validity of this ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into an European Standard (EN).

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CEN

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

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Foreword

This part of the European Prestandard was prepared by CEN Technical Committee CEN/TC 180 "Gas-fired overhead radiant heaters", the secretariat of which is held by BSI.

This European Prestandard has been adopted during the meeting of CEN/TC 180 as a European Prestandard on 8 October 1993 after consideration of comments received from members and establishment of the final version of the European Prestandard.

This ENV should not be used for direct comparison of radiant efficiency between radiant tube heaters and luminous radiant heaters because the accuracy of the measurement differs for each type of heater when using this method.

Other equivalent methods of efficiency determination, method B and method C are under development.

According to the CEN/CENELEC Common Rules, the following countries are bound to announce the existence of the existence of this European Prestandard: Austria, Belgium, Denmark, Finland, France, Greece, Germany, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This ENV specifies the requirements and test method A for the rational use of energy of a non-domestic gas-fired overhead radiant tube heater incorporating a single burner, or of a non-domestic gas-fired fixed overhead luminous radiant heater, referred to in the body of the text as an "appliance", with a reference surface as defined in 3.1.

The scope of this ENV is restricted initially to overhead radiant heaters mounted horizontally, i.e. where the thermal radiation is directed downwards.

2 Normative references

This European Prestandard 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 Prestandard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

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|----------|---|
| EN 416-1 | Single burner gas-fired overhead radiant tube heaters for non-domestic use - Part 1: Safety ¹⁾ |
| EN 419-1 | Non-domestic gas-fired overhead luminous radiant heaters - Part 1: Safety ¹⁾ |

3 Definitions

For the purposes of this prestandard, the following definition applies.

Radiation reference plane: The flat horizontal surface bounded by the lower edge of the reflector (see figure 3).

¹⁾ In preparation