

Chimneys - Thermal and fluid dynamic calculation methods - Part 3: Methods for the development of diagrams and tables for chimneys serving one heating appliance

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13384-3:2005 sisaldab Euroopa standardi EN 13384-3:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 28.12.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13384-3:2005 consists of the English text of the European standard EN 13384-3:2005.</p> <p>This document is endorsed on 28.12.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European Standard gives guidance for the development of diagrams and tables which can be used to simplify the determination of the performance of chimneys serving one heating appliance in accordance with EN 13384-1.</p>	<p>Scope: This European Standard gives guidance for the development of diagrams and tables which can be used to simplify the determination of the performance of chimneys serving one heating appliance in accordance with EN 13384-1.</p>
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Võtmesõnad: chimneys, combustion, construction, diagrams, dimensions

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English Version

Chimneys - Thermal and fluid dynamic calculation methods -
Part 3: Methods for the development of diagrams and tables for
chimneys serving one heating appliance

Conduits de fumée - Méthode de calcul thermo-aéraulique -
Partie 3 : Méthodes d'élaboration de diagrammes et de
tableaux pour les conduits de fumée desservant un seul
générateur de chaleur

Abgasanlagen - Wärme- und strömungstechnische
Berechnungsverfahren - Teil 3: Verfahren für die
Entwicklung von Diagrammen und Tabellen für
Abgasanlagen mit einer Feuerstätte

This European Standard was approved by CEN on 12 September 2005.

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.

This European Standard exists 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This European Standard (EN 13384-3:2005) has been prepared by Technical Committee CEN/TC 166 "Chimneys", the secretariat of which is held by UNI.

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 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

This European Standard is one of a series of standards prepared by CEN/TC 166 comprising product standards and execution standards for chimneys.

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

1 Scope

This European Standard gives guidance for the development of diagrams and tables which can be used to simplify the determination of the performance of chimneys serving one heating appliance in accordance with EN 13384-1. The diagrams and tables can be developed in order to assist in the design of a chimney configuration which is suitable for the desired application without undertaking the full calculation of EN 13384-1.

This European Standard does not itself provide the diagrams and/or tables for use in the design of a chimney; it provides only the method to create these diagrams and tables.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1443:2003, *Chimneys — General requirements*

EN 13384-1:2002, *Chimneys — Thermal and fluid dynamic calculation methods — Part 1: Chimneys serving one appliance*

EN 13384-2:2003, *Chimneys — Thermal and fluid dynamic calculation methods — Part 2: Chimneys serving more than one heating appliance*

EN 12391-1:2003, *Chimneys — Execution standard for metal chimneys — Part 1: Chimneys for non-roomsealed heating appliances*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 1443:2003, EN 13384-1:2002, EN 13384-2:2003 and EN 12391-1:2003 apply.

4 Principle of the method

The purpose of the method is to simplify the determination of the performance of chimneys using the procedures of EN 13384-1, by the production of tables or diagrams giving the result of predetermined conditions.

The basis of the calculation is EN 13384-1. Normative Annex A gives a list of all the characteristics for which a value shall be given and how the values should be specified. Figure 1 is a diagrammatic representation of some of the symbols used in the calculation method.