

Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 3: Range hoods for residential use

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13141-3:2004 sisaldab Euroopa standardi EN 13141-3:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.05.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13141-3:2004 consists of the English text of the European standard EN 13141-3:2004.</p> <p>This document is endorsed on 18.05.2004 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 specifies methods for measuring the main performance characteristics of range hoods for residential use. It applies to recirculating range hoods, air extraction range hoods incorporating a fan and air extraction range hoods without fan.</p>	<p>Scope: This European Standard specifies methods for measuring the main performance characteristics of range hoods for residential use. It applies to recirculating range hoods, air extraction range hoods incorporating a fan and air extraction range hoods without fan.</p>
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English version

Ventilation for buildings - Performance testing of
components/products for residential ventilation - Part 3: Range
hoods for residential use

Ventilation des Bâtiments - Essais des performances des
composants/produits pour la ventilation des logements -
Partie 3: Hottes de cuisine pour utilisation domestique

Lüftung von Gebäuden - Leistungsprüfungen von
Bauteilen/Produkten für die Lüftung von Wohnungen - Teil
3: Dunstabzugshauben für den Hausgebrauch

This European Standard was approved by CEN on 22 October 2003.

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 document (EN 13141-3:2004) has been prepared by Technical Committee CEN/TC 156 "Ventilation for buildings", the secretariat of which 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 2004, and conflicting national standards shall be withdrawn at the latest by July 2004.

The standard is one of a series of standards on residential ventilation. The performance characteristics of the components/products for residential ventilation are given in EN 13142.

The position of this standard in the field of mechanical building services is shown in Figure 1.

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.

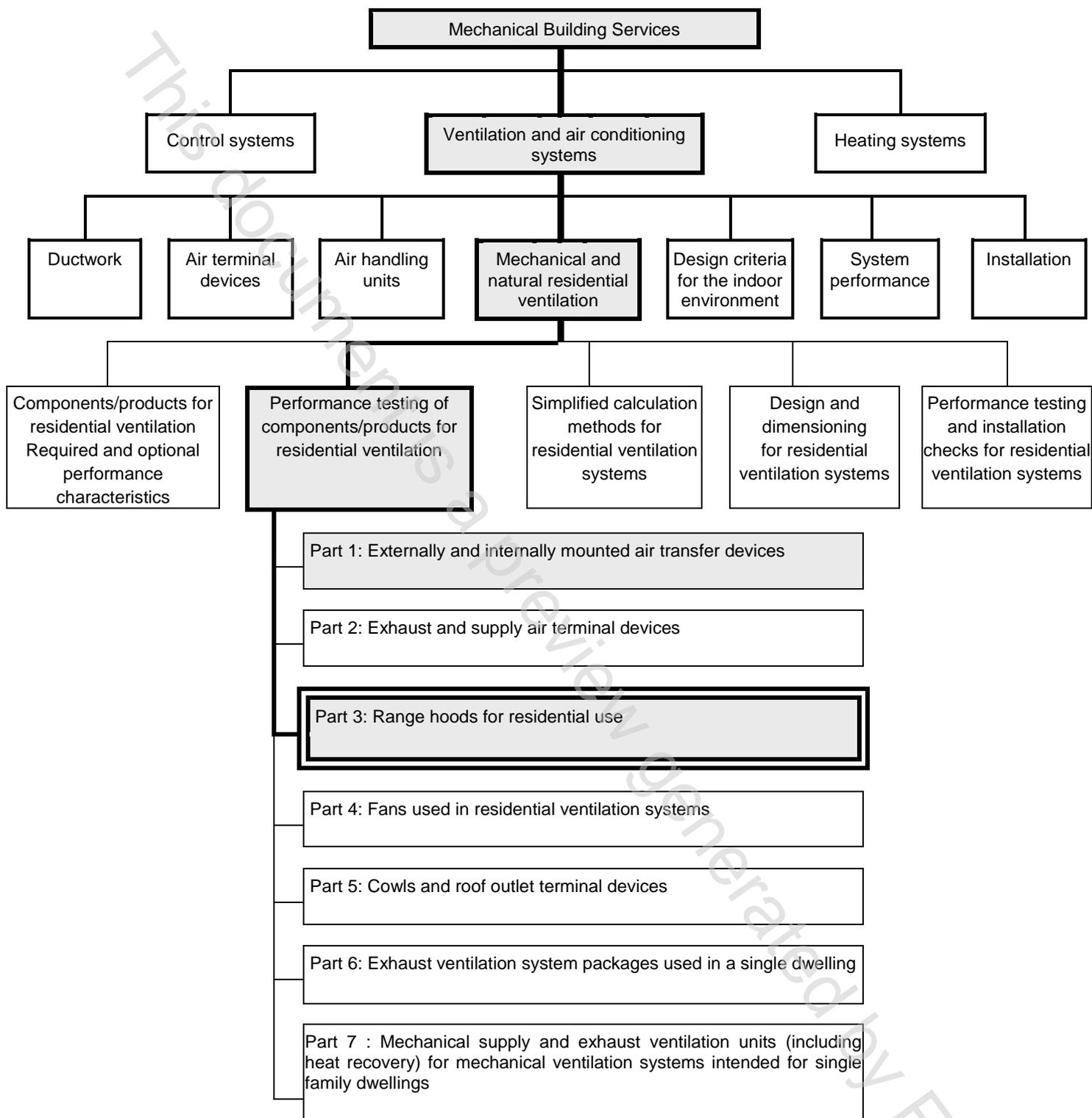


Figure 1 — Position of EN 13141-3 in the field of mechanical building services

1 Scope

This European Standard specifies methods for measuring the main performance characteristics of range hoods for residential use. It applies to recirculating range hoods, air extraction range hoods incorporating a fan and air extraction range hoods without fan.

This standard does not specify values for performance characteristics.

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 here after. For dated references, subsequent amendment 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 (including amendments).

EN 12792, *Ventilation for buildings – Symbols, terminology and graphical symbols*.

EN 13141-2:2003, *Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 2: Exhaust and supply air terminal devices*.

EN 13141-4:2003, *Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 4: Fans used in residential ventilation systems*.

EN 60335-2-31, *Safety of household and similar electrical appliances – Part 2: Particular requirements for range hoods (IEC 60335-2-31:1995)*.

ISO 5801, *Industrial Fans – Performance testing using standardized airways*.

IEC 61591:1997, *Household range hoods – Methods for measuring performance*.

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 12792 and EN 13141-2 together with the following definitions apply.

3.1

range hood (cooker hood)

device intended to collect contaminated air from above a cooking appliance and either discharge it into the room or remove it from the room

NOTE Range hood may incorporate one or more of the following components:

- filters (essential when the contaminated air is discharged into the room);
- fan;
- fire damper;
- non return flow damper.

3.2

recirculating-air range hood

range hood containing filters to remove contaminants after which the cleaned air is discharged back into the room

3.3

air-extraction range hood

range hood which discharges the collected air to the outside of the building by means of ducting