



NSAI
Standards

Irish Standard
I.S. EN 16475-2:2017

Chimneys - Accessories - Part 2: Chimney fans - Requirements and test methods

I.S. EN 16475-2:2017

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National Foreword

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN 16475-2

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English Version

**Chimneys - Accessories - Part 2: Chimney fans -
Requirements and test methods**

Conduits de fumée - Accessoires - Partie 2: Ventilateurs
pour conduit de fumée - Exigences et méthodes d'essai

Abgasanlagen - Zubehörteile - Teil 2:
Abgasventilatoren - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 28 November 2016.

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EN 16475-2:2017 (E)

European foreword

This document (EN 16475-2:2017) has been prepared by Technical Committee CEN/TC 166 “Chimneys”, the secretariat of which is held by ASI.

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of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by December 2018.

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 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 Directives.

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

EN 16475-2 is one part of the series EN 16475, *Chimneys — Accessories*, which currently consists of:

- *Part 2: Chimney fans — Requirements and test methods* [the present document];
- *Part 3: Draught regulators, standstill opening devices and combined secondary air devices — Requirements and test methods*;
- *Part 6: Access components — Requirements and test methods* [currently at Enquiry stage];
- *Part 7: Rain caps — Requirements and test methods*.

This document defines the requirements related to CEN/TC 166 standards. Requirements related to other EU Directives are also applicable.

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Introduction

In November 2009 CEN/TC 166 assigned TG 2 of CEN/TC 166/WG 1 the task to develop this standard for chimney accessories and issued a preliminary work item.

EN 16475-2:2017 (E)

1 Scope

This European Standard covers electrically operated metal fans for chimneys that are able to create a stable positive or negative pressure for the chimney.

This European Standard covers fans installed inline in the connecting flue pipe (inline fans) or mounted on the chimney outlet (exhaust fans).

This standard excludes chimney cowls (Terminals with aerodynamic characteristics).

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.

EN 1443:2003, *Chimneys — General requirements*

EN 1856-1:2009, *Chimneys — Requirements for metal chimneys — Part 1: System chimney products*

EN 1856-2:2009, *Chimneys — Requirements for metal chimneys — Part 2: Metal flue liners and connecting flue pipes*

EN 10088-1, *Stainless steels — Part 1: List of stainless steels*

EN 10346, *Continuously hot-dip coated steel flat products for cold forming — Technical delivery conditions*

EN 13216-1:2004, *Chimneys — Test methods for system chimneys — Part 1: General test methods*

EN 14297, *Chimneys — Freeze-thaw resistance test method for chimney products*

EN 15287-1:2007+A1:2010, *Chimneys — Design, installation and commissioning of chimneys — Part 1: Chimneys for non-roomsealed heating appliances*

EN 60335-1, *Household and similar electrical appliances — Safety — Part 1: General requirements (IEC 60335-1)*

EN 60335-2-80, *Household and similar electrical appliances — Safety — Part 2-80: Particular requirements for fans (IEC 60335-2-80)*

EN ISO 3744, *Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Engineering methods for an essentially free field over a reflecting plane (ISO 3744)*

EN ISO 5136, *Acoustics — Determination of sound power radiated into a duct by fans and other air-moving devices — In-duct method (ISO 5136)*

EN ISO 5801, *Industrial fans — Performance testing using standardized airways (ISO 5801)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1443 and the following apply.

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