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Fans - Vocabulary and definitions of categories - Part 2: Categories (ISO 13349-2:2022)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/23

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**Fans - Vocabulary and definitions of categories - Part 2:
Categories (ISO 13349-2:2022)**

Ventilateurs - Vocabulaire et définitions des catégories
- Partie 2: Catégories (ISO 13349-2:2022)

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EN ISO 13349-2:2022 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 13349-2:2022) has been prepared by Technical Committee ISO/TC 117 "Fans" in collaboration with 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of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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 ISO 13349:2010.

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The text of ISO 13349-2:2022 has been approved by CEN as EN ISO 13349-2:2022 without any modification.

INTERNATIONAL STANDARD

ISO 13349-2

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Fans — Vocabulary and definitions of categories —

Part 2: Categories

*Ventilateurs — Vocabulaire et définitions des catégories —
Partie 2: Catégories*



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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols and units	1
4.1 Symbols.....	1
4.2 Multiples of primary units.....	2
4.3 Units of time.....	2
4.4 Temperature of air or gas.....	2
5 Fan categories	2
5.1 General.....	2
5.2 Suitability for the fan pressure.....	3
5.2.1 General.....	3
5.2.2 Work per unit mass.....	3
5.2.3 Fan categories.....	3
5.2.4 Changes in air density.....	3
5.3 Suitability of construction.....	4
5.3.1 Categorization according to casing construction.....	4
5.3.2 Designation for hot-gas fan.....	4
5.3.3 Designation and recommended categorization for smoke-ventilating fans.....	5
5.3.4 Categorization for gas-tight fans.....	5
5.4 Transmission arrangements.....	5
5.5 Inlet and outlet conditions.....	9
5.6 Method of fan control.....	10
5.7 Designation of direction of rotation and position of parts of the fan assembly.....	10
5.7.1 General.....	10
5.7.2 Direction of rotation.....	10
5.7.3 Outlet position of a centrifugal fan.....	12
5.7.4 Position of component parts of a centrifugal fan with volute casing.....	13
5.7.5 Position of component parts of an axial-flow, mixed-flow or other fan with coaxial inlet and outlet.....	13
5.7.6 Position of motor or other prime movers.....	14
5.8 Characteristic dimensions and component parts.....	16
5.8.1 Characteristic dimensions.....	16
5.8.2 Terms for fan component parts.....	16
Annex A (informative) Examples	24
Bibliography	26

ISO 13349-2:2022(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 117, *Fans*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 156, *Ventilation for buildings*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This document, along with ISO 13349-1, cancels and replaces ISO 13349:2010, which has been technically revised.

The main changes are as follows:

- document split into two parts: Vocabulary and Categories;
- [Clause 3](#) revised to refer to ISO 13349-1;
- positions of the illustrations modified;
- editorial errors corrected.

A list of all parts in the ISO 13349 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document reflects the importance of a standardized approach to the terminology of fans.

The need for an International Standard has been evident for some considerable time. To take just one example, the coding of driving arrangements differs from manufacturer to manufacturer. What one currently calls arrangement no. 1 can be known by another as arrangement no. 3. The confusion for the customer is only too apparent. For similar reasons, it is essential to use standardized nomenclature to identify particular parts of a fan.

Wherever possible, in the interests of international comprehension, this document is in agreement with similar documents produced by Eurovent, AMCA, VDMA (Germany), AFNOR (France) and UNI (Italy). They have, however, been built on where the need for amplification was apparent.

Use of this document will lead to greater understanding among all parts of the air-moving industry. This document is intended for use by manufacturers, consultants and contractors.

Fans — Vocabulary and definitions of categories —

Part 2: Categories

1 Scope

This document defines categories in the field of fans used for all purposes.

It is not applicable to electrical safety.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5167-1, *Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full — Part 1: General principles and requirements*

ISO 5801, *Fans — Performance testing using standardized airways*

ISO 13349-1, *Fans — Vocabulary and definitions of categories — Part 1: Fans—Vocabulary*

ISO 13351, *Fans — Dimensions*

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