BS EN ISO 13349-1:2022

BSI Standards Publication

Fans — Vocabulary and definitions of categories

Part 1: Vocabulary

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National foreword

This British Standard is the UK implementation of EN ISO 13349-1:2022. It is identical to ISO 13349-1:2022. Together with BS EN ISO 13349-2:2022, it supersedes BS EN ISO 13349:2010 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee MCE/17, Fans.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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European foreword

This document (EN ISO 13349-1:2022) 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of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.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.

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Part 1: Vocabulary

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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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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 13349-2, 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;

— this document only retains Clauses 1, 2 and 3;

— classification of terms in Clause 3 revised;

— 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.

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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.

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