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Industrial fans — Tolerances, methods of conversion and technical data presentation

Ventilateurs industriels — Tolérances, méthodes de conversion et présentation des données techniques



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 13348 was prepared by Technical Committee ISO/TC 117, *Industrial fans*.

This second edition of ISO 13348 cancels and replaces the first edition (ISO 13348:2006), which has been technically revised and now makes reference to series-produced non-certified fans.

This is a preview of "ISO 13348:2007". [Click here to purchase the full version from the ANSI store.](#)

Introduction

This International Standard endeavours to clarify those technical aspects of contracts where fan performance is concerned, and the accuracy and consistency of performance details published in technical catalogues.

In this International Standard a distinction is drawn between specially designed fans to suit a specific purpose, to meet a contract specification, and series-produced fans where the performance data is contained in a catalogue.

For purpose-designed fans the methods of calculating performance data under contract conditions, from performance data obtained under test conditions, are described in Clause 5 for both air and sound data. Four tolerance grades are given, each appropriate to a particular type of fan and/or its application. These procedures have been found satisfactory; however, the supplier and user could agree to adopt alternative methods.

For the series-produced non-certified fans, the associated technical data will be contained in a catalogue (electronic and/or printed form). In this case the recommended method of applying tolerances is as described in Clause 5.

For the series-produced fans in certified ratings programmes, the associated technical data will be contained in a catalogue (electronic and/or printed form). In this case the recommended method of applying tolerances is as described in Clause 6, based on the rules of AMCA (Air Movement and Control Association) International, Inc. for the certified ratings programme [11], [12], [13]. An independent accredited body, under a certified ratings programme, can be called in to verify this data.