



SLOVENSKI STANDARD
kSIST FprEN ISO 13350:2015
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Industrijski ventilatorji - Mehanska varnost odprtih ventilatorjev (ISO/FDIS 13350:2014)

Fans - Performance testing of jet fans (ISO/FDIS 13350:2014)

Industrieventilatoren - Leistungsmessung von Strahlventilatoren (ISO/FDIS 13350:2014)

Ventilateurs - Essai de performance des ventilateurs accélérateurs (ISO/FDIS 13350:2014)

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Fans — Performance testing of jet fans

Ventilateurs — Essai de performance des ventilateurs accélérateurs

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Please see the administrative notes on page iii



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ISO/CEN PARALLEL PROCESSING

This final draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement. The final draft was established on the basis of comments received during a parallel enquiry on the draft.

This final draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel two-month approval vote in ISO and formal vote in CEN.

Positive votes shall not be accompanied by comments.

Negative votes shall be accompanied by the relevant technical reasons.

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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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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 117, *Fans*, Subcommittee SC 13, *Jet Fans*.

This second edition cancels and replaces the first edition (ISO 13350:1999) which has been technically revised. The main changes are the following:

- General (dated references on standards updated, e.g. ISO 5801:2007);
- [Clause 2](#) “Normative references” (references supplemented and updated);
- [Clause 3](#) “Terms and definitions” (addition of [3.2.1](#) “gross fan outlet area”, [3.5.1](#) “motor input power”, [3.5.2](#) “impeller power”, [3.8.2](#) “thrust/motor input power ratio”);
- [Figure 1](#) “Gross and effective fan outlet areas” (modified by marking of “gross fan outlet area A_2 ”);
- [Clause 4](#) “Symbols and abbreviated terms” (supplemented and updated);
- [6.4](#) “Input power” (correction for density);
- [7.1](#) “Determination of thrust” (correction for density);
- [7.4](#) “Test procedures” (change of recommended calibration intervals);
- [Figure 7](#) “Thrust measuring enclosure” (modified by reducing the minimum distance between fan casing and floor/ceiling/wall);
- [8.1](#) “Determination of sound level” (Introduction of possibility to use other International Standards e.g. ISO 13347);
- [8.3](#) “Enclosure suitability” (requirement on running speed of the reference sound source deleted);
- [9.2](#) “Test arrangement” for determination of vibration velocity (Figure 9 “Vibration measuring position for jet fans” and requirement to use this configuration deleted);
- [Figure 9](#) “Vibration measuring position for jet fans” (deleted);