ISO/DISFDIS 13347-2:2024(en)

ISO/TC 117 Secretariat:-_BSI Date: 2024<u>2025</u>-07-1909

Fans — Determination of fan sound power levels under standardized laboratory conditions —

Part 2: Reverberant room method

Ventilateurs-_— Détermination des niveaux de puissa<mark>n</mark>ce acoustique des ventilateurs dans des conditions de laboratoire normalisées — Partie 2: Méthodo de la salle réverbérante

Partie 2: Méthode de la salle réverbérante

ISO/FDIS 13347-2

https://standards.iteh.ai/catalog/standards/iso/4e237461-47a3-4fe2-9508-da1a800bb2d3/iso-fdis-13347-2

<u>FDIS stage</u>

Edited DIS - MUST BE USED FOR FINAL DRAFT

© ISO <mark>2024</mark>2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or <u>ISO'sISO's</u> member body in the country of the requester.

ISO Copyright Officecopyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: + 41 22 749 01 11

Email: copyright@iso.org

<u>E-mail: copyright@iso.org</u> Website: <u>www.iso.org</u>www.iso.org

Published in Switzerland-

iTeh Standards (https://standards.iteh.ai) Document Preview

ISO/FDIS 13347-2

https://standards.iteh.ai/catalog/standards/iso/4e237461-47a3-4fe2-9508-da1a800bb2d3/iso-fdis-13347-2

ICS 17.140.20; 23.120

Price based on 22 pages

Frent Deference cource not found

ISO/DIS 13347-2:2024(en)

Contents Page

<u>Foreword</u> v						
Introductionvi						
<u>1 Scope</u>						
2 Normative references						
3 Terms and Definitions						
4 Field of application						
5 Instrumentation						
6 Test method						
7 Acoustic environment						
8 Test set-up and ducting						
9 Observations						
10 Calculations						
Annex A (normative) Room qualification for sound sources with broad band sound						
Annex B (informative) Room qualification for sound sources with pure tones/narrow-band sound						
Annex C (informative) Total fan sound testing with attached ducts						
Annex D (normative) Transmission element						
Bibliography						

Foreword iii Introduction

1

ISO/FDIS 13347-2

tps://standards.iteh.ai/catalog/standards/iso/4e237461-47a3-4fe2-9598-eala800bb2d3/iso-fdis-13347-2

2	Normative references
3	Limitations on use
4	-Field of application2
5	Instrumentation
6	-Test method
7	Acoustic environment
8	Test set-up and ducting
9	-Observations
10	Calculations
Annex	A (normative) Room qualification for sound sources with broad band sound17
Annex	B (informative) Room qualification for sound sources with pure tones/narrow-band sound

iv

© ISO 2024 – All rights reserved iii

Edited DIS - MUST BE USED FOR FINAL DRAFT

Innex C	(informative) Total fan sou	nd testing with a	attached ducts	
Annex D	(normative) Transmission	element		
	Dibliggraphy	20		

iTeh Standards (https://standards.iteh.ai) Document Preview

ISO/FDIS 13347-2

https://standards.iteh.ai/catalog/standards/iso/4e237461-47a3-4fe2-9508-dala800bb2d3/iso-fdis-13347-2

ICS 17.140.20; 23.120

Price based on 22 pages

Frent Deference source not found

ISO/DIS 13347-2:2024(en)

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at <a href="https://www.iso.org/patents.com/patents.co

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.

This fourth edition cancels and replaces the third edition (ISO 13347-2:2004), which has been technically revised. It also incorporates the Technical Corrigendum ISO 13347-2:2004/Cor 1:2006.

The main changes are as follows:

The main changes compared with ISO 13347-2:2004 are as follows:

- the inclusion of acoustic methods for installation category E fans;
- symbols have been harmonized with those used in ISO 5801 and other ISO standards as those listed in Normativenormative references [2];
- editorial corrections have been incorporated.

A list of all parts in the ISO 13347 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 <u>www.iso.org/members.html</u>.

Field Code Changed

© ISO 2024 – All rights reserved v

Edited DIS - MUST BE USED FOR FINAL DRAFT