IEC 60704-2-13

Edition 1.0 2005-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-13: Particular requirements for range hoods

Appareils électrodomestiques et analogues – Code d'essai pour la détermination du bruit aérien – Partie 2-13: Règles particulières pour les hottes de cuisine

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FOREWORD

This amendment has been prepared by IEC technical committee 59: Performance of household electrical appliances.

This bilingual version, published in 2008-01, corresponds to the English version.

The text of this amendment is based on the following documents:

FDIS	Report on voting
59/422/FDIS	59/432A/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The French version of this amendment has not been voted upon.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This amendment introduces a description of the intensimetric method for the determination of sound power levels of range hoods in addition to the other methods described in the standard, for the use of which the text of IEC 60704-2-13 remains unchanged. According to the method described here, the sound power level is obtained by measuring the component of sound intensity normal to a measurement surface that surrounds the range hood.

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CONTENTS

Add, after the listing for Annex AA, the title of the new bibliography as follows:

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1 Scope and object

1.1.1 General

Add, to the existing text, the following new paragraph:

Intensimetric method for the determination of sound power levels shall not be used for the purpose of verification.

1.1.2 Types of noise

Replace the existing text of the addition by the following new text:

Addition:

The method is applicable to any source for which a physically stationary measurement surface can be defined, and on which the noise generated by the source is stationary in time (as defined in Clause 3), therefore it is not suitable for sources of impulsive noise consisting of short duration noise bursts. This method is not suitable if the source under test has significant noise over 6,3 kHz in one-third-octave band centre frequencies and over 4 kHz in one-octave band centre frequencies.

1.1.3 Size of the source

Replace the existing text of the replacement by the following new text:

Replacement:

The size of the noise source is unrestricted. The extent of the source is defined by the choice of the measurement surface.

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Add the following subclause:

1.3 Measurement uncertainty

Replacement:

The uncertainty in the determination of the sound power level of a noise source is related:

– to the nature of the sound field of the source;
– to the nature of the extraneous sound field;
– to the absorption of the source under test;
– to the type of intensity-field sampling and measurement procedure employed.

The normal range for A-weighted data is covered by the one-octave bands from 63 Hz to 4 kHz, and the one-third-octave bands from 50 Hz to 6,3 kHz. The estimated values of standard deviations of sound power levels, determined according to this standard for both the discrete points method and the scanning method are as indicated in Table 101.