

Acoustics — Declaration and verification of noise emission values of machinery and equipment

The European Standard EN ISO 4871:1996 has the status of a British Standard

ICS 17.140.20

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National foreword

This British Standard is the English language version of EN ISO 4871:1996. It is identical with ISO 4871:1996.

The UK participation in its preparation was entrusted by Technical Committee EH/1, Acoustics, to Subcommittee EH/1/4, Machinery noise, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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

Cross-references

Attention is drawn to the fact that CEN and CENELEC standards normally include an annex which lists normative references to international publications with their corresponding or European publications. The British Standards which implement these international or European publications may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, page 2, the ISO title page, pages ii to iv, pages 1 to 12, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard, having been prepared under the direction of the Health and Environment Sector Board, was published under the authority of the Standards Board and comes into effect on 15 August 1997

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ISBN 0 580 28070 5

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English version

Acoustics — Declaration and verification of noise emission values of machinery and equipment

(ISO 4871:1996)

Acoustique — Déclaration et vérification des valeurs d'émission sonore des machines et équipements
(ISO 4871:1996)

Akustik — Angabe und Nachprüfung von Geräuschemissionswerten von Maschinen und Geräten
(ISO 4871:1996)

This European Standard was approved by CEN on 1996-09-27. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

The text of the International Standard ISO 4871:1996 has been prepared by Technical Committee ISO/TC 43 “Acoustics” in collaboration with Technical Committee CEN/TC 211 “Acoustics”, the secretariat of which is held by DS.

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 June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this standard.

ISO 4871 deals with clause 1.7.4 f) of Annex A of EN 292-2, requiring that manufacturers must give information on the airborne noise emission by machinery. The correspondence between the physical quantities used in the above-mentioned clause and in ISO 4871 is given hereafter.

The equivalent continuous A-weighted sound pressure level at workstations stated in that clause corresponds to the “measured A-weighted emission sound pressure level at specified positions” in ISO 4871.

The peak C-weighted instantaneous pressure value at workstations stated in that clause corresponds to the “measured C-weighted peak emission sound pressure level at specified positions” in ISO 4871.

The sound power level emitted by the machinery stated in that clause corresponds to the “measured sound power level” in ISO 4871.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 4871:1996 was approved by CEN as a European Standard without any modification.

NOTE Normative references to International Standards are listed in Annex ZB (normative).

INTERNATIONAL STANDARD

**ISO
4871**

Second edition
1996-12-15

Acoustics — Declaration and verification of noise emission values of machinery and equipment

*Acoustique — Déclaration et vérification des valeurs d'émission sonore
des machines et équipements*



Reference number
ISO 4871:1996(E)

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Descriptors: Acoustics, machinery, noise (sound), labelling.