

SLOVENSKI STANDARD

SIST EN 1547:2001/kprA1:2009

01-februar-2009

Industrijska toplotna oprema - Koda testa hrupa za industrijsko toplotno opremo, vključno s pomožnimi obratovanjskimi opremljenimi

Industrial thermoprocessing equipment - Noise test code for industrial thermoprocessing equipment including its ancillary handling equipment

Industrielle Thermoprozessanlagen - Geräuschemessverfahren für industrielle Thermoprozessanlagen einschließlich ihrer Be- und Entladeeinrichtungen

Équipements thermiques industriels - Code d'essai acoustique pour équipements thermiques industriels, y compris les équipements de manutention auxiliaires

Ta slovenski standard je istoveten z: EN 1547:2001/prA1

ICS:

17.140.20	Emisija hrupa naprav in opreme	Noise emitted by machines and equipment
25.180.01	Qā•dā\^Ā^ āā [z] [Industrial furnaces in general

SIST EN 1547:2001/kprA1:2009 en

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

FINAL DRAFT
EN 1547:2001

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English Version

**Industrial thermoprocessing equipment - Noise test code for
industrial thermoprocessing equipment including its ancillary
handling equipment**

Équipements thermiques industriels - Code d'essai
acoustique pour équipements thermiques industriels, y
compris les équipements de manutention auxiliaires

Industrielle Thermoprozessanlagen -
Geräuschmessverfahren für industrielle
Thermoprozessanlagen einschließlich ihrer Be- und
Entladeeinrichtungen

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 186.

This draft amendment A1, if approved, will modify the European Standard EN 1547:2001. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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 CEN Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 1547:2001/prA1:2008) has been prepared by Technical Committee CEN/TC 186 "Industrial thermoprocessing - Safety", the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document 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 Directives.

For relationship with EU Directives, see informative Annexes ZA and ZB, which are integral parts of this document.

The new safety requirements as stated in this document comply with the additional relevant Essential Requirements of the new Machinery Directive 2006/42/EC complementing the existing Machinery Directive 98/37/EC.

Once this document is cited in the Official Journal of the European Community under the new Machinery Directive 2006/42/EC and has been implemented as a national standard in at least one member state, it confers a presumption of conformity with the new relevant Essential Requirements of that new Directive and associated EFTA regulations.

This standard forms one part of a series safety standards covering Industrial Thermoprocessing Equipment.

The full list of parts of EN 746 is given below:

EN 746 *Industrial thermoprocessing equipment*

Part 1: *Common safety requirements for industrial thermoprocessing equipment*

Part 2: *Safety requirements for combustion and fuel handling systems*

Part 3: *Safety requirements for the generation and use of atmosphere gases*

Part 4: *Particular safety requirements for hot dip galvanising thermoprocessing equipment*

Part 5: *Particular safety requirements for salt bath thermoprocessing equipment*

Part 6: *Particular Safety Requirements for Material Melting, Remelting and Liquid Phase Maintaining Thermoprocessing Equipment*

Part 7: *Particular Safety Requirements for Vacuum Thermoprocessing Equipment*

Part 8: *Particular safety requirements for quenching equipment*

EN 1547 *Industrial thermoprocessing equipment — Noise test code for industrial thermoprocessing equipment including its ancillary handling equipment*

An assessment of the foreseeable risks arising from the use of the equipment was carried out when this standard was prepared.

EN 1547:2001/prA1:2008 (E)**1 Modification to the Foreword**

Replace the 4th paragraph with the following:

"For relationship with EU Directive(s), see informative Annexes ZA and ZB, which are integral parts of this document."

2 Modification to Clause 1, Scope

Replace the 1st paragraph with the following:

"This noise test code specifies all the information necessary to carry out efficiently and under standardized conditions the determination, declaration and verification of the noise emission characteristics of industrial thermoprocessing equipment as described especially in EN 746-1, EN 746-2 and EN 746-3. It also indicates the location of work stations where measurements need to be made."

3 Modification to Clause 2, Normative references

Replace the 1st paragraph with:

"The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies."

Delete "EN 292-1:1991, Safety of machinery — Basic concepts, general principles for design — Part 1: Basic terminology, methodology".

Whole document: Replace "EN 292" with "EN 12100".

Delete "EN 292-2:1991, Safety of machinery — Basic concepts, general principles for design — Part 2: Technical principles and specifications".

Delete "IEC 60651 + A1:1993, Sound level meters".

Whole document: Replace "IEC 60651" with "EN 61672-1 and -2".

Replace "EN ISO 3743-1, Acoustics — Determination of sound power levels of noise sources — Engineering methods for small, movable sources in reverberant fields — Part 1: Comparison method in hard-walled test rooms (ISO 3743-1:1994)" with:

"prEN ISO 3743-1, Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Engineering method for small, movable sources in reverberant fields — Part 1: Comparison method for a hard-walled test room (ISO/DIS 3743-1:2006)".

Whole document: Replace "EN ISO 3743-1" with "prEN ISO 3743-1".

Replace "EN ISO 3744, Acoustics — Determination of sound power levels of noise sources using sound pressure — Engineering method in an essentially free field over a reflecting plane (ISO 3744:1994)" with:

"prEN ISO 3744, Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Engineering method in an essentially free field over a reflecting plane (ISO/DIS 3744:2006)".

Whole document: Replace "EN ISO 3744" with "prEN ISO 3744".

Replace "EN ISO 3746, *Acoustics — Determination of sound power levels of noise sources using sound pressure — Survey method using an enveloping measurement surface over a reflecting plane* (ISO 3746:1995)" with:

"prEN ISO 3746, *Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Survey method using an enveloping measurement surface over a reflecting plane* (ISO/DIS 3746:2005)"

Whole document: Replace "EN ISO 3746" with "prEN ISO 3746".

4 Modification to 5.1, Basic international standards to be used

In the NOTE, delete "and according to EN 292-2, Annex A".

5 Modification to Clause 12, Declaration and verification of noise emission values

Replace the 1st paragraph "The declaration of the noise emission values shall be made as dual-number noise emission values according to EN ISO 4871 consisting of the noise emission values (L_{WA} , L_{pA}) and the uncertainties (K_{WA} , K_{pA}). It is the sole responsibility of the manufacturer and shall be made in accordance with EN 292-2:1991, Annex A, 1.7.4 f and this noise test code. The noise declaration shall be made in such a way that the values can be verified according to EN ISO 4871." with the following:

"The declaration shall be made as dual-number noise emission values (measured value and associated uncertainty given separately). The noise declaration shall be made in such a way that the values can be verified according to 6.2 of EN ISO 4871:1996."

6 Modification to Annex ZA

Replace Annex ZA with the following text:

"

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive Machinery 98/37/EC, amended by Directive 98/79/EC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard."

EN 1547:2001/prA1:2008 (E)

7 Modification to Annex ZB

Add new Annex ZB:

"

Annex ZB (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 2006/42/EC on machinery.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the relevant Essential Requirements of that Directive and associated EFTA regulations.

WARNING — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard."