

DIN EN ISO 11203

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Supersedes
DIN EN ISO 11203:1996-07

**Acoustics –
Noise emitted by machinery and equipment –
Determination of emission sound pressure levels at a work station and
at other specified positions from the sound power level
(ISO 11203:1995)
English version of DIN EN ISO 11203:2010-01**

Akustik –
Geräuschabstrahlung von Maschinen und Geräten –
Bestimmung von Emissions-Schalldruckpegeln am Arbeitsplatz und an anderen
festgelegten Orten aus dem Schalleistungspegel (ISO 11203:1995)
Englische Fassung DIN EN ISO 11203:2010-01

Document comprises 17 pages



National foreword

This standard has been prepared by Technical Committee ISO/TC 43 “Acoustics”, Subcommittee SC 1 “Noise” (Secretariat: DS, Denmark), Working Group WG 28 “Basic machinery noise emission standards” in collaboration with Technical Committee CEN/TC 211 “Acoustics” (Secretariat: DS, Denmark).

The responsible German body involved in its preparation was the *Normenausschuss Akustik, Lärminderung und Schwingungstechnik im DIN und VDI* (Acoustics, Noise Control and Vibration Engineering Standards Committee in DIN and VDI), Working Committee NA 001-01-04 AA *Geräuschemission von Maschinen und Anlagen; Messung, Minderung, Datensammlung*.

Amendment of the European Machinery Directive has made it necessary to review Annexes ZA and ZB in terms of the essential requirements of EU Directive 98/37/EC and the revised Directive, 2006/42/EC. The technical substance of the standard has not been changed.

The DIN Standards corresponding to the International Standards referred to in this document are shown below. The IEC numbers are listed in the currently valid five-digit versions, although they are cited in the text by their last three digits only (i.e. without “60”).

ISO 1996-1	DIN 45645-1	ISO 7779	DIN EN ISO 7779
ISO 2204	DIN EN ISO 12001	ISO 9614-1	DIN EN ISO 9614-1
ISO 3740	DIN EN ISO 3740	ISO 9614-2	DIN EN ISO 9614-2
ISO 3741	DIN EN ISO 3741	ISO 11200	DIN EN ISO 11200
ISO 3742	DIN EN ISO 3741	ISO 11201	DIN EN ISO 11201
ISO 3743-1	DIN EN ISO 3743-1	ISO 11202	DIN EN ISO 11202
ISO 3743-2	DIN EN ISO 3743-2	ISO 11204	DIN EN ISO 11204
ISO 3744	DIN EN ISO 3744	ISO 12001	DIN EN ISO 12001
ISO 3745	DIN EN ISO 3745	IEC 60651	DIN EN 61672 (all parts)
ISO 3746	DIN EN ISO 3746	IEC 60804	DIN EN 61672 (all parts)
ISO 3747	DIN EN ISO 3747	IEC 60942	DIN EN 60942
ISO 4871	DIN EN ISO 4871	IEC 61260	DIN EN 61260

The national standards are given in Annex NA “Bibliography”.

Amendments

This standard differs from DIN EN ISO 11203:1996-07 as follows:

- a) Annexes ZA and ZB have been supplemented to show the relationship between this standard and the Machinery Directive 98/37/EC and the new revised Machinery Directive 2006/42/EC.

Previous editions

DIN 45635: 1970-03

DIN 45635-1: 1972-01, 1984-04

DIN EN ISO 11203: 1996-07

National Annex NA (informative)

Bibliography

DIN 45645-1, *Determination of rating levels from measurement data — Part 1: Noise immission in the neighbourhood*

DIN EN 60942, *Electroacoustics — Sound calibrators*

DIN EN 61260, *Electroacoustics — Octave-band and fractional-octave-band filters*

DIN EN 61672-1, *Electroacoustics — Sound level meters — Part 1: Specifications*

DIN EN 61672-2, *Electroacoustics — Sound level meters — Part 2: Pattern evaluation tests*

DIN EN 61672-3, *Electroacoustics — Sound level meters — Part 3: Periodic tests*

DIN EN ISO 3740, *Acoustics — Determination of sound power levels of noise sources — Guidelines for the use of basic standards*

DIN EN ISO 3741, *Acoustics — Determination of sound power levels of noise sources using sound pressure — Precision methods for reverberation rooms*

DIN 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 for hard-walled test rooms*

DIN EN ISO 3743-2, *Acoustics — Determination of sound power levels of noise sources using sound pressure — Engineering methods for small, movable sources in reverberant fields — Part 2: Methods for special reverberation test rooms*

DIN EN ISO 3744, *Acoustics — Determination of sound power levels of noise sources using sound pressure — Engineering method in an essential free field over a reflecting plane*

DIN EN ISO 3745, *Acoustics — Determination of sound power levels of noise sources using sound pressure — Precision methods for anechoic and hemi-anechoic rooms*

DIN 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*

DIN EN ISO 3747, *Acoustics — Determination of sound power levels of noise sources using sound pressure — Comparison method for use in situ*

DIN EN ISO 4871, *Acoustics — Declaration and verification of noise emission values of machinery and equipment*

DIN EN ISO 7779, *Acoustics — Measurement of airborne noise emitted by information technology and telecommunications equipment*

DIN EN ISO 9614-1, *Acoustics — Determination of sound power levels of noise sources using sound intensity — Part 1: Measurement at discrete points*

DIN EN ISO 9614-2, *Acoustics — Determination of sound power levels of noise sources using sound intensity — Part 2: Measurement by scanning*

DIN EN ISO 11200, *Acoustics — Noise emitted by machinery and equipment — Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions*

DIN EN ISO 11201, *Acoustics — Noise emitted by machinery and equipment — Measurement of emission sound pressure levels at a work station and at other specified positions — Engineering method in an essentially free field over a reflecting plane*

DIN EN ISO 11202, *Acoustics — Noise emitted by machinery and equipment — Measurement of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections*

DIN EN ISO 11203, *Acoustics — Noise emitted by machinery and equipment — Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level*

DIN EN ISO 11204, *Acoustics — Noise emitted by machinery and equipment — Measurement of emission sound pressure levels at a work station and at other specified positions — Method requiring environmental corrections*

DIN EN ISO 12001, *Acoustics — Noise emitted by machinery and equipment — Rules for the drafting and presentation of a noise test code*