
**Tractors for agriculture and
forestry — Measurement of noise
at the operator's position — Survey
method**

*Tracteurs agricoles et forestiers — Mesurage du bruit au poste de
conduite de l'opérateur — Méthode de contrôle*





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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 documents 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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 2, *Common tests*.

This third edition cancels and replaces the second edition (ISO 5131:1996), which has been technically revised for technical harmonization with OECD Code 5: July 2014.

Introduction

Technical harmonization with OECD is ensured by the Maintenance Agency operating as specified in [Annex C](#).

Tractors for agriculture and forestry — Measurement of noise at the operator's position — Survey method

1 Scope

This International Standard specifies a method for the measuring and reporting of the noise at the operator(s) position of a tractor used in agriculture and forestry. The measured noise relates only to the basic machine and applies to tractors with machine-carried operators. The results provide information to the operator(s) in order to avoid exposing themselves to noise levels that could put their hearing at risk.

The conditions specified for the operation of the machines during the measurements are defined to provide a realistic and repeatable assessment of the maximum noise an operator should be subjected to when operating a machine. The test procedures specified in this International Standard are survey methods as defined in ISO 12001.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5353:1995, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point*

ISO 6395:2008, *Earth-moving machinery — Determination of sound power level — Dynamic test conditions*

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

IEC 60942, *Electroacoustics — Sound calibrators*

IEC 61672-1, *Electroacoustics — Sound level meters*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

agricultural tractor

self-propelled agricultural vehicle having at least two axles and wheels, or endless tracks, particularly designed to pull agricultural trailers and pull, push, carry, and operate implements used for agricultural work (including forestry work), which may be provided with a detachable loading platform

Note 1 to entry: The agricultural vehicle has a maximum design speed of not less than 6 km/h and may be equipped with one or more seats.

[SOURCE: ISO 12934:2013, 3.1]

3.2

power take-off power

power measured at the dynamometer coupled to any shaft (with the tractor stationary) designed by the tractor manufacturer to be used as a power take-off

[SOURCE: ISO 789-1:1990, 3.2]