
**Tractors and self-propelled machines for
agriculture and forestry — Operator
enclosure environment —**

Part 4:
Air filter element test method

*Tracteurs et machines automotrices pour l'agriculture et la sylviculture —
Ambiance dans l'enceinte de l'opérateur —*

Partie 4: Méthode d'essai de l'élément du filtre à air



Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 14269-4 was prepared by Technical Committee ISO/TC 23, *Tractors and machines for agriculture and forestry*, Subcommittee SC 2, *Common tests*.

This first edition, along with the other parts of ISO 14269, cancels and replaces ISO 3737:1976, ISO 6097:1989 and ISO/TR 8953:1987, which have been technically revised.

ISO 14269 consists of the following parts, under the general title *Tractors and self-propelled machines for agriculture and forestry — Operator enclosure environment*:

- *Part 1: Vocabulary*
- *Part 2: Heating, ventilation and air-conditioning test method and performance*
- *Part 3: Determination of effect of solar heating*
- *Part 4: Air filter element test method*
- *Part 5: Pressurization system test method*

Annex A of this part of ISO 14269 is for information only.

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Tractors and self-propelled machines for agriculture and forestry — Operator enclosure environment —

Part 4: Air filter element test method

1 Scope

This part of ISO 14269 specifies a uniform test method for determining performance levels of operator enclosure panel-type air filters. It is applicable to tractors and self-propelled machines for agriculture and forestry when equipped with an operator enclosure with a ventilation system.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 14269. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 14269 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5011:1988, *Inlet air cleaning equipment for internal combustion engines and compressors — Performance testing*.

ISO 14269-1:1997, *Tractors and self-propelled machines for agriculture and forestry — Operator enclosure environment — Part 1: Vocabulary*.

3 Definitions

For the purposes of this part of ISO 14269, the definitions given in ISO 14269-1 apply, of which the following are particularly relevant.

3.1 operator enclosure air filter element: Medium in which particulate matter is removed from the incoming air supply. [ISO 14269-1:1997, definition 2.15]

3.2 filter efficiency: Ability of the air filter element to remove particulate matter. [ISO 14269-1:1997, definition 2.16]

3.3 test dust: Particulate matter used to evaluate the filter element. [ISO 14269-1:1997, definition 2.17]