
**Earth-moving machinery — Operator
enclosure environment —**

**Part 3:
Pressurization test method**

*Engins de terrassement — Environnement de l'enceinte de
l'opérateur —*

Partie 3: Méthode d'essai du système de pressurisation



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Foreword

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The main task of technical committees is to prepare International Standards. 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.

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ISO 10263-3 was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 2, *Safety, ergonomics and general requirements*.

This second edition cancels and replaces the first edition (ISO 10263-3:1994), which has been technically revised.

ISO 10263 consists of the following parts, under the general title *Earth-moving machinery — Operator enclosure environment*:

- *Part 1: Terms and definitions*
- *Part 2: Air filter element test method*
- *Part 3: Pressurization test method*
- *Part 4: Heating, ventilating and air conditioning (HVAC) test method and performance*
- *Part 5: Windscreen defrosting system test method*
- *Part 6: Determination of effect of solar heating*

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Earth-moving machinery — Operator enclosure environment —

Part 3: Pressurization test method

1 Scope

This part of ISO 10263 specifies a test method which will provide for uniform measurement of the maximum pressurization inside an operator enclosure of an earth-moving machine when equipped with a pressurization system.

2 Normative references

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.

ISO 10263-1, *Earth-moving machinery — Operator enclosure environment — Part 1: Terms and definitions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10263-1 and the following apply.

3.1

pressurization

pressure differential between the static pressure inside and outside of the operator enclosure

3.2

pressurization system

means used to pressurize the operator enclosure, including any components which influence the performance of the system

4 Test equipment

4.1 Device to measure pressure with a measuring accuracy of 5 % of the observed values.

4.2 Voltmeter or other voltage measuring device to measure blower voltage, with a measuring accuracy of 2 %.

4.3 Thermometers or other temperature measuring devices, with a measuring accuracy of $\pm 0,5$ °C.

4.4 Device to measure barometric pressure, with a measuring accuracy of 2 % of the observed values.

4.5 Anemometer to measure wind speed, with a measuring accuracy within 0,5 m/s.