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

**Part 6:
Determination of effect of solar heating**

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

Partie 6: Détermination de l'effet du chauffage solaire



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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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 10263-6 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 10263-6:1994), 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 6:

Determination of effect of solar heating

1 Scope

This part of ISO 10263 specifies a test method for simulating solar heating in the laboratory and measuring the radiant heat energy from a natural or simulated source. It is applicable to earth-moving machines when equipped with an operator enclosure.

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*

ISO 10263-4, *Earth-moving machinery — Operator enclosure environment — Part 4: Heating, ventilating and air conditioning (HVAC) test method and performance*

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

solar heating

heating factor from the sun to be considered in determining air circulation and cooling requirements necessary to maintain comfortable temperature inside the operator enclosure

3.2

solar radiant energy

process by which solar heating is generated

4 General

4.1 The intended result of this method is to record the radiant heat energy affecting an operator enclosure during tests of the air conditioning system.

4.2 This method shall be used in conjunction with the test given in ISO 10263-4.