# INTERNATIONAL STANDARD

ISO 10263-4

> Second edition 2009-02-01

## Earth-moving machinery — Operator enclosure environment —

#### Part 4:

Heating, ventilating and air conditioning (HVAC) test method and performance

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

Partie 4: Performances et méthode d'essai des systèmes de chauffage, de ventilation et de climatisation (CVCA)

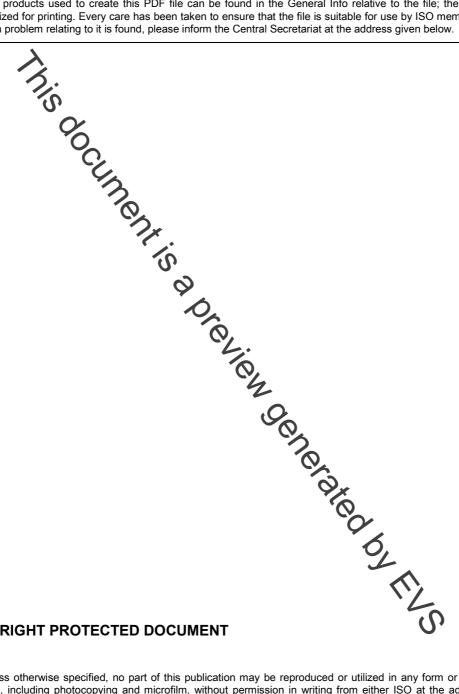


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Cont	tents	Page
Forew	ord	iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Test equipment and instruments	2
5	Measurement Vocations	2
6	Heating, ventilating and air conditioning system	3
7	Air conditioning systems	4
8	Heating system	5
9	Volitioning System	
10	Test report	6
Annex	A (informative) Example of test report form for operator enclosure air conditioning,	-
Diblica	heating and ventilating systems	/
	heating and ventilating systems of the systems of t	

#### **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 Maison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical confirmtees 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 applying 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 10263-4 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 10263-4:1994), which has been technically revised.

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sure 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

\*\*5\* Windscreen defrosting system test method

\*\*5\* of solar heating ISO 10263 consists of the following parts, under the ceneral title Earth-moving machinery - Operator enclosure environment:

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

#### Part 4:

### Heating, ventilating and air conditioning (HVAC) test method and performance

#### 1 Scope

This part of ISO 10263 specifies a uniform test method for measuring the contribution to operator environmental temperature provided by a heating, ventilating and air conditioning system operating in a specific ambient environment. The method might not determine the complete climatic environment of the operator since this is also affected by heat load from sources other than those on the machine, for example solar heating. ISO 10263-6 is to be used in conjunction with this part of ISO 10263 to determine more accurately the complete heat loading on the operator enclosure. Minimum performance levels for the machine's operator enclosure heating centilating and air conditioning systems are established in this part of ISO 10263.

NOTE The HVAC is also referred to as the climate control 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 5353:1995, Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point

ISO 9249:2007, Earth-moving machinery — Engine test code — Ner power

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

ISO 10263-2, Earth-moving machinery — Operator enclosure environment — Part 2: Air filter element test method

ISO 10263-3, Earth-moving machinery — Operator enclosure environment — Part 3: Pressurization test method

ISO 10263-6, Earth-moving machinery — Operator enclosure environment — Part 6: Determination of effect of solar heating

#### 3 Terms and definitions

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

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