

ICS 53.100
CCS P 97



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 19933.3-2014

Replacing GB/T 19933.3-2005

**Earth-moving machinery -- Operator enclosure environment --
Part 3: Pressurization test method**

土方机械 司机室环境 第3部分：增压试验方法

(English Translation)

Issued on: July 24, 2014

Implemented on: January 1, 2015

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Test Equipment
- 5 Test conditions

Foreword

GB/T 19933 "moving machinery cab environment" is divided into six sections.

- Part 1. Terms and definitions;
- Part 2. Air filter test method;
- Part 3. Test methods for pressurization;
- Part 4. heating, ventilation and air conditioning (HVAC) test method and performance;
- Part 5. Test methods for windshield defrosting system;
- Part 6. Determination of effect of solar heating.

This section GB/T 19933 Part 3.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 19933.3-2005 "Part 3 - moving machinery cab environment. cab pressurization test method." this Part of GB/T 19933.3-2005 compared, in addition to editorial changes outside the main technical changes are as follows.

- The scope of Chapter 1, has been modified;
- Increased Chapter 2, "Normative references";
- An increase of some terms and definitions (see Chapter 3, Chapter 2, 2005 edition);
- Adjustments and increased test equipment (see Chapter 4, Chapter 3 of the 2005 edition);
- Adjustments and increases the test conditions (see Chapter 5, Section 4 of the 2005 edition);
- Increased Chapter 7, "test report";

--- Increase the informative Appendix A.

This section uses the translation method identical with ISO 10263-3:2009 "moving machinery - Operator enclosure environment - Part 3. pressurization test side Law "(in English).

Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 19933.1-2014 moving machinery - Operator enclosure environment - Part 1. Terms and definitions (ISO 10263-1:2009, IDT).

This part is proposed by China Machinery Industry Federation.

This part of the National earthmoving machinery Standardization Technical Committee (SAC/TC334) centralized.

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1 Scope

GB/T 19933 provisions of this part of the measuring system is fitted with moving machinery pressurization chamber maximum pressure of harmonized test method.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 10263-1 moving machinery - Operator enclosure environment - Part 1. Terms and definitions (Earth-movingmachinery-Operatorenclosureenvironment-Part 1. Termsanddefinitions)

3 Terms and Definitions

Terms and definitions defined in ISO 10263-1 apply to this document. For ease of use, repeat the following list of ISO 10263-1 Certain terms and definitions.

Boost pressurization Static pressure difference between the inside and outside drivers.

[ISO 10263-1:2009, definitions 3.17] 3.2 Pressurization system Cab for internal pressurization device, and adjusting the performance of the system components.

[ISO 10263-1:2009, definitions 3.18]

4 Test Equipment

4.1

gauges. measurement accuracy of 5%.

4.2

voltmeter or other measurement means for measuring the voltage of the blower.
measurement accuracy of 2%.

4.3

thermometer or other device for measuring temperature. test accuracy of ± 0.5 °C.

4.4

atmospheric pressure measurement device. test accuracy of 2%.

4.5

anemometer. test accuracy 0.5m/s or less.

5 Test conditions

5.1

When the engine or other components affect the environment inside the cab pressurization system should test drive the machine itself, the machine test launch Machine running at rated speed. Blower motor terminal voltage on both ends of the system should be 15% of the normal calibration value (for example above. For