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

GB 18447-2025

Safety technical specifications for tractors

拖拉机安全技术规范

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB 18447.1-2008 "Safety requirements for tractors Part

1 Scope

GB 18447-2025 is the Chinese national standard on safety technical specifications for tractors, in the field of agriculture. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 30 June 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2026. Classification: ICS 65.060.10, CCS T61. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the safety requirements and/or measures for the design and manufacture of tractors, and the safety operation (including residual risks) provided by the manufacturer. Information type, describing the corresponding test verification method. This document applies to tractors used in our country.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This

document.

GB/T 1592.1 Rear power take-off shafts for agricultural tractors, types 1, 2, 3 and 4 - Part

1.General requirements, safety requirements, protection Cover size and clearance range

GB/T 1592.2 Rear power take-off shafts for agricultural tractors, types 1, 2, 3 and 4 - Part

3 Tracks Tractors" and GB 18447.4-2008 "Safety requirements for tractors Part

4.Belt-driven wheeled tractors", which are similar to the above standards In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) Deleted the "Hazard List" (see GB 18447.1-2008, GB 18447.2-2008, GB 18447.3-2008 and Chapter 3 of GB 18447.4-2008);
- b) Added "General Requirements" (see Chapter 4);
- c) Added the requirements for the combined weighted acceleration limit of whole body vibration for drivers of belt-driven wheeled tractors, and added the requirements for the combined weighted acceleration limit of whole body vibration for drivers of garden tractors, Travel speed requirements for row-till tractors and belt-drive tractors during vibration tests (see 5.2);
- d) Added parking brake and service brake performance requirements for mountain tractors, and parking brake ramps and service brakes for rubber track tractors. Vehicle braking system requirements (see 5.3);
- e) Deleted the requirement for the maximum opaque exhaust smoke value of tractors (see 4.1.7 of GB 18447.1-2008, GB 18447.3- 2008, 4.1.2 and GB 18447.3-2008, 4.1.7);
- f) The general requirements for control devices have been modified (see 5.4.1, 4.5 of GB 18447.1-2008, and GB 18447.3-2008). 4.5 of GB 18447.4-2008, 4.5 of GB 18447.4-2008);
- g) Added engine starting requirements (see 5.4.2);
- h) Added requirements for external control devices of three-point suspension systems (see 5.4.3);

6 Determination of braking performance of agricultural and forestry vehicles

GB/T 3871.7 Agricultural tractor test procedures Part

7 Driver's front field of view

GB/T 4269.1 Symbols for operator controls and other display devices on tractors and machinery for agriculture and forestry, and lawn and gardening power machinery Part

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