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

GB/T 25410-2025

Replacing GB/T 25410-2010

Removable pump stations

移动式泵站

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Standardization Administration of the PRC**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 25410-2010 "Tractor-Powered Mobile Pumping Stations". Compared with GB/T 25410-2010, except for... Aside from structural adjustments and editorial changes, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the.2010 edition);
- b) The format has been changed (see 4.1,
3.1 in the.2010 edition);
- c) Added basic parameters (see 4.3);
- d) General requirements have been changed (see 5.1,
4.1 of the.2010 version);
- e) The performance requirements for water pumps have been changed (see 5.3,
4.5 in the.2010 edition);
- f) Increased performance requirements for the power unit (see 5.4);
- g) Security requirements have been changed (see 5.5,
4.4 in the.2010 version);
- h) The general requirements for the test methods have been changed (see 6.1,

1 Scope

GB/T 25410-2025 is the Chinese national standard covering the pump station on a trailer or a skid - the pump and prime mover matched as a unit, the priming and suction lift, the transport and the setting up on a river bank, and the performance and safety of a machine used for irrigation and for flood response. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 25410-2010.

This document specifies the types, models, basic parameters, technical requirements, inspection rules, marking, packaging, transportation, and storage of mobile pumping stations. The document describes the corresponding experimental methods. This document applies to mobile pumping stations with a rated power of 500kW or less.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 191 Pictorial Symbols for Packaging and Storage

GB/T 755-2019 Ratings and Performance of Rotating Electrical Machines

GB/T 1971 Markings on wire ends and direction of rotation for rotating electrical machines

GB/T 2828.1 Sampling Procedures for Inspection by Attributes - Part

1.Sampling Schemes Retrieved by Acceptable Quality Limit (AQL) for Lot-by-Lot Inspection

GB/T 3214 Method for determining the flow rate of water pumps

GB/T 3216-2016 Acceptance Tests of Hydraulic Performance of Rotary Power Pumps (Levels 1, 2 and 3)

GB 10395.8-2006 Safety Technical Requirements for Agricultural and Forestry Tractors and Machinery Part

8 Irrigation and Drainage Pumps and Pump Units

GB 10396 General Rules for Safety Signs and Hazard Symbols for Agricultural and Forestry Tractors and Machinery, Lawn and Horticultural Power Machinery

GB/T 12785 Test methods for submersible pumps

GB/T 13006 Net Positive Suction Head (NPSH) for Centrifugal Pumps, Mixed-Flow Pumps and Axial-Flow Pumps GB/T 13306 Nameplates

GB/T 13384 General Technical Requirements for Packaging of Mechanical and Electrical Products

GB/T 17491 Test methods for steady-state performance of hydraulic transmission pumps and motors

GB 17625.1 Electromagnetic compatibility limits - Part

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