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

GB/T 26474-2026

Replacing GB/T 26474-2011

Container reach stackers

集装箱正面吊运起重机

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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 supersedes GB/T 26474-2011 "Technical Conditions for Container Front-Loading Cranes" and is consistent with GB/T 26474-2011. Compared to previous versions, 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.2011 edition);
- b) Terms and definitions have been changed (see Chapter 3, Chapter 3 of the.2011 edition);
- c) Added "Types and Basic Parameters" (see Chapter 4);
- d) The working environment conditions, overall machine, electrical system, and hydraulic system technical requirements of the reach stacker have been modified (see 5.1.1, 5.1.2, 5.2.1~). 5.2.4, 5.2.8, 5.2.11, 5.2.16, 5.2.17 and 5.2.18 (4.1.1, 4.2, 4.6.12.5, 4.8 of the.2011 edition);
- e) Added technical requirements for the transmission and steering systems, energy recovery, and energy consumption (see 5.2.12~5.2.15);
- f) The main structural dimensions, technical parameters, and metal structure requirements of the front-end crane have been changed (see 5.3 and 5.4.1.1~5.4.1.3). (Versions 4.3, 4.4, 4.5.2, and 4.5.3 from the.2011 edition)

g) Added manufacturing, installation, and visibility features to the driver's cab, as well as mechanisms, electric motors, lithium batteries, hydrogen fuel cells, wheels, hydrogen storage containers, and piping. Technical requirements for surface coatings (see 5.4.2.3, 5.4.2.4, 5.5, 5.6.2, 5.6.3, 5.6.4, 5.6.6, 5.6.9 and 5.8.1);

1 Scope

GB/T 26474-2026 is the Chinese national standard covering the reach stacker - the machine that picks a loaded container from the second or third row of a stack on a telescopic boom, where the stability calculation with the load out at reach is the whole design problem. It replaces GB/T 26474-2011. It was issued on 28 January 2026 and has been in force since 1 August 2026, replacing GB/T 26474-2011. The document is under the responsibility of the China Machinery Industry Federation. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the types and basic parameters, technical requirements, inspection rules, marking, packaging, transportation, and handling of container front-load cranes. Storage and corresponding experimental methods are described. This document applies to container front-lift cranes used for loading and unloading containers as specified in GB/T 1413 and GB/T 35201.

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 700-2006 Carbon Structural Steel

GB/T 755 Ratings and Performance of Rotating Electrical Machines

GB/T 985.1 Recommended bevels for gas welding, shielded metal arc welding, gas shielded welding and high energy beam welding

GB/T 985.2 Recommended bevel for submerged arc welding

GB/T 1591-2018 Low-alloy high-strength structural steel

GB/T 3220-2011 Container Spread Gear

GB/T 3323.1 Nondestructive testing of welds-Radiological inspection-Part