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

GB/T 16714-2025

Replacing GB/T 16714-2007

Continuous-flow grain driers

连续式粮食干燥机

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Table of Contents

1.Scope	1
2 Normative References	1
3.Terms and Definitions	2
4.Model and Main Parameters	2
4.1 Model	2
4.2 Main Parameters and Main Parameter Series	2
5.Safety Requirements	2
6.Technical Requirements	3
6.1 General Requirements	3
6.2 Performance Indicators	3
6.3 Electrical System	4
6.4 Appearance Quality	4
6.5 Reliability	4
6.6 Environmental Requirements	4
6.7 Product Instruction Manual	5
7.Test Methods	5
7.1 Test Conditions	5
7.2 Performance Test	5
7.3 Safety Requirements Inspection	5
7.4 Welding quality inspection	5
7.5 Electrical System Quality Inspection	5
7.6 Appearance quality inspection	5
7.7 Reliability Testing	5
7.8 Environmental Requirements Testing	5
7.9 Product instruction manual inspection	5
7.10 Production Trial	5
8 Inspection Rules	6
8.1 Factory Inspection	6
8.2 Type testing requirements	6
8.3 Inspection Items	7
8.4 Sampling Methods	7
8.5 Judgment Rule	7

9.1 Mark	7
9.2 Packaging	7
9.3 Transportation	8
8 References	9

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 16714-2007 "Continuous Grain Dryers". Compared with GB/T 16714-2007, the main differences are structural adjustments and... Aside from editorial changes, the main technical changes are as follows:

---The terms "grain layer thickness" and "drying period" have been removed (see 3.2 in the 2007 edition);

---The word "Type" has been removed (see 4.1 in the 2007 edition);

---Added model number marking methods and examples (see 4.1);

---Added safety technical requirements for auxiliary equipment of the dryer, electrical safety requirements, and electrical system safety requirements (see 5.7, 5.8, and 5.9);

---The general requirements for dryer parts and auxiliary equipment have been revised, and requirements for biomass pellet hot air furnaces and oil/gas burners have been added. (See 6.1,

5.1 in the 2007 edition);

---Added basic environmental conditions for the unit calorific value of dried rice, wheat, and corn (see 6.2.2);

---The main performance indicators of the dryer have been modified, adding indicators such as the rice cracking rate and the grain temperature at the outlet, while removing indicators related to germination (growing)... Vitality rate indicator (see 6.2.3,

5.2.4 in the 2007 edition);

---The section on "grain layer thickness and grain inlet/outlet mechanisms" has been removed (see section

1 Scope

GB/T 16714-2025 is the Chinese national standard on continuous-flow grain driers, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 65.060.99, CCS B91. 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 model and main parameters, safety requirements, technical requirements, and inspection procedures for continuous grain dryers (hereinafter referred to as "dryers"). The rules, marking, packaging, transportation and storage requirements describe the corresponding test methods. This document applies to continuous grain dryers.

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 3797-2016 Electrical control equipment

GB/T 5226.1-2019 Electrical Safety of Machinery - Electrical Equipment of Machinery - Part

3 Stairs, steps and guardrails

GB/T 19839 General Technical Requirements for Industrial Oil and Gas Burners

GB/T 21162 Rules for Calculating Unit Heat Consumption and Processing Capacity of Co-current Grain Dryers

GB/T 23821-2022 Safety of Machinery - Safe Distances to Prevent Upper and Lower Limbs from Touching Dangerous Areas

GB/T 24854-2010 General Technical Requirements for Packaging of Grain and Oil Machinery Products

GB/T 24857-2010 General Technical Conditions for Plate Parts and Plate-Shaped Steel Components of Grain and Oil Machinery

GB/T 30467 Rules for Calculating Unit Heat Consumption and Processing Capacity of Crossflow Grain Dryers

GB/T 37519-2019 Bucket Elevator for Grain and Oil Machinery

GB 50057-2010 Code for Design of Lightning Protection of Buildings

JB/T 5673-2015 General Technical Requirements for Painting Agricultural and Forestry Tractors and Implements

JB/T 5943-2018 General Technical Requirements for Welded Components of Engineering Machinery

JB/T 9832.2 Test Method for Coating Adhesion Performance of Agricultural and Forestry Tractors and Implements - Crush-Cut Method

JB/T 10200 Rules for Compiling Product Model Numbers for Seed Processing Machinery and Grain Processing Equipment

JB/T 14868 Biomass Pellet Hot Blast Furnace