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CCS J71



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

GB/T 13008-2010

Replacing GB/T 13008-1991

Technical specification for mixed and axial flow pumps

混流泵、轴流泵 技术条件

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Table of Contents

1 Scope	1
2 Normative references	1
4 Ordering Condition 2	5
5.1 General	2
5.2 Performance	2
5.3 Design of	3
5.4 Main parts and materials	5
5.5 Manufacturing 5 6 factory inspection and testing	10
6.1 General	10
7 Performance Test Rule.....	11
7.1 General	11
7.2 Type tests	11
11 Appendix A (informative) mixed flow pumps, axial flow data table	13

Foreword

This standard is GB/T 13008-1991 "Francis pumps, axial flow pump technical conditions" amendments. This standard compared with GB/T 13008-1991 main changes are as follows:

- This standard GB/T 1.1-2000 standard format editor;
- Increased directory, preface;
- Modify the scope of the standard (see Chapter 1);
- Updated standard normative references press GB/T 1.1-2000 standard adds introductory phrase (see Chapter 2);
- Improve the term "semi-regulated" and "full adjustment" is defined (see Chapter 3);
- Increased the order conditions (see Chapter 4);
- Adds several factors to determine the prime mover rated performance should be considered (see 5.3.1.1);
- Clear the impeller parts do static balance, and an increase in provisions adjustable static balance test impeller blade angle (see 5.3.3);
- Increased requirements for pressure parts connected by bolts (see 5.3.4.3);

- Increasing the value of the sealing ring gap between the axial seal type when using specified (see 5.3.7.1);
- Open and modify the provisions of semi-open impeller clearance value cylindrical impeller housing (see 5.3.7.2);
- Increased computing bearings, lubrication, bearings temperature control requirements (see 5.3.9.1);
- Increased the horizontal and inclined guide vane pump guide bearing requirements (see 5.3.9.4.2);

1 Scope

GB/T 13008-2010 is the Chinese national standard on technical specification for mixed and axial flow pumps, in the field of fluid systems and general-purpose components. 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 26 September 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2011. Classification: ICS 23.080, CCS J71. 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 standard specifies the mixed-flow pump, axial flow pump (hereinafter referred to as the pump) ordering conditions, technical requirements, the factory inspection and testing requirements and performance test Inspection rules. This standard applies to transport water or physical and chemical properties similar to liquid water and the pump delivery seawater pump. Delivery temperature of the liquid Not more than 50 °C. When present conflict between the technical requirements of more than one file, the following order shall determine the suitability of each file.

- b) the data table (see Appendix A);
- c) of this standard;
- d) orders other criteria mentioned.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to

the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 699 high-quality carbon structural steel

GB/T 700 carbon structural steel

GB/T 1184 shape and position tolerances without individual tolerance value

GB/T 1220 stainless steel rods

GB/T 2100 general purpose corrosion resistant steel castings (GB/T 2100-2002, eqv ISO 11972.1998)

GB/T 3216 rotary power pump hydraulic performance acceptance tests - Grades 1 and 2 (GB/T 3216-2005, ISO 9906.1999, MOD)

GB/T 4237 hot-rolled stainless steel sheet and strip

GB/T 7021 centrifugal Terminology

GB/T 9112 steel pipe flanges with type parameters

GB/T 9239.1 Mechanical vibration steady state (rigid) rotor balance quality requirements - Part 1. Specification and balance tolerance test (GB/T 9239.1-2006, ISO 1940-1.2003, IDT)

GB/T 9439 Gray Iron Castings

GB/T 11352 Carbon steel castings for general engineering purposes

GB/T 13384 mechanical and electrical products packaging General technical conditions

3 Terms and Definitions

GB/T 7021 regulations and the following terms and definitions apply to this standard.