

ICS 47.020.50

CCS U47



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

GB/T 11034-2008

Replacing GB 11034-1989

Marine electric reciprocating pump

船用电动往复泵

Issued on: February 3, 2008

Implemented on: August 1, 2008

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms
- 4 Products
- 4.1 The basic parameters of the pump

Foreword

This standard replaces GB/T 11034-1989 "marine electric reciprocating pump." This standard compared with GB/T 11034-1989, the main changes are as follows:

- The nominal flow rate 65m³/h, to the nominal flow rate 63m³/h;
- Increase the marked sample;
- Increasing the selection of materials specifications and grades;
- Increasing the intensity of vibration requirements;
- Cabin temperature to 50 °C ambient temperature of 5 °C ~ 60 °C;
- Increasing the medium temperature is 85 °C;
- Pump noise to. A-weighted sound pressure level should not exceed 85dB, the noise should not exceed the value of the unit of the prime mover or actuator Noise value plus 3dB;
- The original bearing temperature 70 °C, change should not exceed 75 °C;
- Cancel the process requirements;
- Reference standard four additional carry flange standards;
- Canceled a standard test chart report (Appendix A);
- Canceled Complete supply range. The standard proposed by China State Shipbuilding Corporation. This standard by the National Standardization Technical Committee of marine deck machinery auxiliary machinery at the Technical Committee and the cabin. This standard was drafted. China Shipbuilding Technology and Economy Research Institute, Benxi water pump limited liability company. The main drafters of this standard. Wang away, Zhao Baodong, Wang Lifang, Cai Zhenzhong. This standard replaces the standards previously issued as follows:

--- GB/T 11034-1989. Marine electric reciprocating pump

1 Scope

GB/T 11034-2008 is the Chinese national standard on marine electric reciprocating pump, in the field of shipbuilding and marine structures. 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 3 February 2008 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 August 2008. Classification: ICS 47.020.50, CCS U47. 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 marine electric reciprocating pump (hereinafter referred to as the pump) product classification, requirements, test methods, inspection rules, marking, packaging, transportation Transport and storage. This standard applies to transport bilge water, ballast water and fire water and other media pump design, manufacture and acceptance.

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 699-1999 quality carbon structural steel

GB/T 1176-1987 Cast Copper Alloys conditions (neq ISO 1338. 1977)

GB/T 1220-2007 stainless steel rod

GB/T 1348-1988 ductile iron castings

GB/T 2503 Marine cast iron flanges (four into bits)

GB/T 2505 Marine bronze flange (four into bits)

GB/T 3077-1999 alloy steel

GB/T 3785 sound level meter electric, acoustic performance and test methods

GB/T 7784 Test Method for reciprocating pump motor

GB/T 9069 reciprocating pump sound power levels - Engineering method (GB/T 9069-1988, neq ISO 5466. 1980)

GB/T 9439-1988 Gray Iron Castings

GB/T 13364 reciprocating pump mechanical vibration test method CB/T 43 marine cast iron flanges CB/T

45 Marine bronze flanged CB1146.2 ship equipment Environmental test and engineering guidance hypothermia CB1146.3 ship equipment Environmental test and engineering guidance temperature

3 Terms

The following terms and definitions apply to this standard. Pump under the specified operating conditions, the performance parameters are in working condition within a predetermined range.

4 Products

The basic parameters of the pump

4.1 The basic parameters of the pump

4.1.1 shall comply with the requirements of Table 1.

4.1.2 rated pump discharge pressure, rated speed and the degree of vacuum suction on runtime conditions, allowing the actual flow value specified in Table

1 Xu deviation. -2% to 8%.