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

**中华人民共和国国家标准**

GB/T 13032-2010

Replace GB/T 13032-1991

**Marine diesel generator set**

**船用柴油发电机组**

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of the People's Republic of China

Standardization Administration of the People's Republic of China (SAC)

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## Foreword

The standard is an alternative of GB/T 13032-1991 *Marine Diesel Generator Set*.

Compared with GB/T 13032-1991, the main changes of the technical contents are as follows:

- a) Expand the voltage grade and power of marine diesel generator set;
- b) "Manual starting" method is added in starting method;
- c) Add the corresponding pitch specification in environmental condition;
- d) Add the precondition of "when the power factor is 0.8 (hysteresis)" in the steady voltage regulation;
- e) Add the content about gradation loading of transient speed regulation;
- f) Replenish the content about vibration reduction and noise reduction of marine diesel generator set;
- g) Increase the relevant test contents.

The standard is proposed by China Shipbuilding Industry Corporation.

The standard is centralized by National Branch Technical Committee of Marine Machinery for Standardization Diesel Sub-technical Committee

This standard is drafted by: No.704 Research Institute of China Shipbuilding Industry Corporation

Main drafter of the Standard: He Yanbo, Zhong Rusen, Xie Jianping

The information concerning the issuance of previous versions of the standard replaced by the standard as follows:

——GB/T 13032-1991.

# Marine Diesel Generator Set

## 1 Scope

The standard specifies the terms, product classification, requirements, test method, inspection rules, scope of supply and other contents of marine diesel generator set (hereinafter referred to as "set").

The standard is applicable to the set for main power supply and emergency power supply of marine, not for shaft generator, intermediate frequency, power frequency single phase alternating current and dual frequency output set.

## 2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 191 Packaging - Pictorial marking for handling of goods

GB/T 1859 Reciprocating internal combustion engines--Measurement of emitted airborne noise--Engineering method and survey method

GB/T 3785 Electric,sonic properties and measuring methods for sound level meters

GB/T 4772.2 Dimensions and output series for rotating electrical machines -Part 2: Frame numbers 355 to 1 000 and flange numbers 1 180 to 2 360

GB/T 7060 General specifications for rotary electrical machines in ships

## 3 Terms and definitions

For the purpose of this standard, following terms and definitions apply.

### 3.1

#### **diese generator set**

The whole part composed of diesel engine, generator, speed governing and excitation voltage regulation system .The set driven by diesel engine which is connected with generator through elastic or rigid coupling and installed on the same common foundation.

### 3.2

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