

ICS 29.160.40
CCS K 52



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

GB/T 4712-2008

Replacing GB/T 4712-1996

**Automatic diesel generating set, requirements of classification
for**

自动化柴油发电机组分级要求

(English Translation)

Issued on: June 13, 2008

Implemented on: March 1, 2009

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 General requirements
- 5 Automated Classification
 - 5.1 Unit Level Automation
 - 5.2 Features automated content rating

Foreword

This standard replaces GB/T 4712-1996 "automatic diesel generator set requirements of classification." this standard compared with the original GB/T 4712-1996, the technical content of the following changes.

- Reference standard becomes JB/T 8194 and GB/T 12786.
- Automated grading original four grades changed to three levels, and the elimination of requirements for unattended time.
- Unit in parallel with the splitting is not limited to the same type of unit.
- Added a remote computer communication control functional requirements.

The standard proposed by China Electrical Equipment Industrial Association.

This standard is under the jurisdiction of the Lanzhou Institute of power vehicles.

This standard is mainly drafted by. Lanzhou Institute of power vehicles.

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1 Scope

This standard specifies requirements for automated grading automation diesel generator set.

This standard applies to press GB/T 12786 "automated combustion engine power plant general technical conditions" manufacturing automation diesel generator (with Hereinafter

referred to as the unit).

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 12786 internal combustion engine power plant automation General technical requirements JB/T 8194 combustion engine power plant terminology

3 Terms and Definitions

This standard uses the JB/T 8194 in the following terms and terminology.

The main performance parameters distance measuring unit, automatically start and stop, the display unit operating status.

4 General requirements

4.1

units shall comply with the provisions of this standard and GB/T 12786 of.

4.2

the unit have special requirements, provision should be added in its product technical conditions.

5.1 Unit Level Automation

Level automation unit should meet the requirements of Table 1.

Table 1

Automation Level Automation level features 1 to maintain ready to run state like automatic control, protection and display Automatic control level of 21 features, automatic replenishment of fuel, oil, coolant, and the parallel operation, etc.

- a) Level 1 features and remote communication control computer automatic control functions
- b) Automatic control two features and remote control functions of computer communication, centralized monitoring and fault diagnosis

5.2.1 Level 1 automation

- a) by automatic control commands or remote instruction automatic startup;
- b) automatically accepted by the load instruction load;
- c) instruction by automatic control or remote control instruction automatic shutdown;
- d) automatically adjusts the frequency and voltage, to ensure the accuracy of the FM and regulator products meet the requirements of technical conditions;