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

GB/T 2820.7-2024

**Reciprocating internal combustion engine driven alternating
current generating sets - Part 7: Technical declarations for
specification and design**

(English Translation)

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1 Scope

This document specifies the requirements and parameters for the specifications and design of generator sets driven by reciprocating internal combustion engines, based on the definitions given in GB/T 2820.1-2022, GB/T 2820.2-2009, GB/T 2820.3-2009,

GB/T 2820.4-2009, ISO 8528-5:2022, GB/T 2820.6-2009.

This document applies to land and marine AC generator sets driven by reciprocating internal combustion engines; it does not apply to generator sets for aviation or driving land vehicles and locomotives.

For some specific applications (such as power supply for hospitals, high-rise buildings, etc.), additional requirements are required. The provisions of this document are regarded as the basis for these applications.

For other reciprocating prime movers (such as biogas engines, steam engines, etc.), the provisions of this document are regarded as the basis for these applications.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in the text. Among them, for dated references, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies to this document.

GB/T 2820.1-2022 Reciprocating internal combustion engine driven alternating current generating sets - Part 1.Application, ratings and performance (ISO 8528-

1.2018, IDT)

Note: There is no technical difference between the referenced content of GB/T 2820.1-2022 and the referenced content of GB/T 2820.1-2009.

GB/T 2820.2-2009 Reciprocating internal combustion engine driven alternating current generating sets - Part 2.Engines (ISO 8528-2.2005, IDT)

GB/T 2820.3-2009 Reciprocating internal combustion engine driven alternating

GB/T 2820.9-2024 | GB/T 2317.4-2023 | GB/T 2820.1-2022 | GB/T 2820.5-2025 |