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JB

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

JB/T 14961-2025

**Minimum allowable values of the energy efficiency and energy
efficiency grades for magnetic suspension permanent magnet
synchronous motors
(English Translation)**

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What this standard covers

This standard specifies the energy efficiency grades and limits for magnetic levitation permanent magnet synchronous high-speed motors, and describes the corresponding test methods. This standard applies to the determination of energy efficiency and energy efficiency grade classification of permanent magnet synchronous motors with rated voltage below 1000V, rated power range of 30kW to 1000kW, variable frequency speed regulation and speed range of 6000r/min to 60000r/min, and motor rotor supported by magnetic levitation bearings.

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