

Magnetic Suspension Centrifugal Blower

This magnetic suspension centrifugal blower is a high-efficiency industrial fan. The shaft vibration is supervised by a displacement sensor, and the data is input to a controller to generate a magnetic force for suspension.



Product Overview

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This high-efficiency centrifugal blower utilizes advanced magnetic suspension technology paired with a high-speed permanent magnet synchronous motor (PMSM) and a ternary flow impeller. Designed for optimal energy savings and environmental performance, the unit features real-time shaft vibration monitoring via built-in displacement sensors. The intelligent control system ensures precise magnetic force generation for frictionless operation, resulting in a maintenance-free and quiet industrial solution.

Performance Data

Key Performance Indicators

40 kPa Min Pressure Rise	150 kPa Max Pressure Rise	30 m³/min Min Inlet Flow	391 m³/min Max Inlet Flow
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Energy Efficiency

Energy Savings vs. Alternatives

Comparison Type	Energy Savings
Roots Blower	> 30%
Multi-stage Centrifugal Blower	> 20%
Single Stage High Speed Centrifugal Blower	> 10%

Key Features

Operational Advantages	Low Noise, Maintenance Free, Intelligent Control, High Efficiency, Environment Friendly
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