



Advanced Permanent Magnet Synchronous Maglev Blower For Process Industries

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: GF100
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Export Standard Packaging
- Payment Terms: T/T, L/C



Product Specification

- Typology: Centrifugal Fan
- Flow Range: 52-110m³/min
- Boost: 40-100kPa
- Bear: Autonomous Domestic Magnetic Bearings
- Efficiency: 77%
- Highlight: **synchronous maglev blower,
permanent maglev blower,
permanent maglev air blower**



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Advanced Permanent Magnet Synchronous Maglev Blower for Process Industries

Excellent corrosion resistance
Adoption of stainless steel and other high-quality materials to manufacture key components
Special sealing design prevents the intrusion of corrosive media effectively.
Reliable operation even in harsh chemical and pharmaceutical environments.

Excellent vibration resistance
Magnetic levitation bearing eliminates mechanical vibration sources.
Optimised flow field design further reduces pneumatic vibration.
Stable operation in harsh vibration environments

- Intelligent monitoring and maintenance
- Built-in advanced sensors and control systems
- Real-time monitoring of critical parameters such as temperature, vibration, etc.
- Supports remote monitoring and predictive maintenance
- Significantly reduces maintenance and downtime
- Hot Air Output

Special geometric design and cyclone technology
Delivers high temperature hot airflow to meet process heating requirements
Improved overall energy efficiency of the system

- High reliability
- High-quality permanent magnet motors and suspension bearings
- Optimised drive train and protection measures
- Expected service life of more than 10 years
- Virtually maintenance-free, significantly reducing operating costs

Energy saving and high efficiency

High-speed permanent magnet motor and high-efficiency ternary flow impeller are directly coupled.
More than 30% energy-saving than traditional Roots fan.
More than 20% energy-saving than multi-stage centrifugal blower.
More than 10% energy-saving than single-stage high-speed centrifugal blower.

Low noise

Adopting self-balancing technology, the vibration amount of magnetic levitation bearing is one order of magnitude smaller than that of traditional bearing and no friction. At the same time to take the active damping design, stable operation, body vibration is very small, fan noise at 80dB (A) or so.

Maintenance-free

Integrated design, skid mounted structure, easy installation, one key start and stop. Daily operation, free of mechanical maintenance, only need to replace the filter.

Intelligent control

Adopting PLC+GPRS/3G/4G, it can monitor the running status of the fan in real time, and realise the intelligent regulation of wind volume, wind pressure, rotational speed, etc. as well as manual mode control. In case of failure, it can also be remotely repaired and debugged.

Magnetic Levitation Blower Series Selection

[illegible]

sizes(mm)	1700×1500×1480			1850×1700×1780			2150×1750×1700			2370×2260×2080		
Weight (kg)	800	1000	1200	1350	1500	1800	2000	2500	2800	3200	3500	

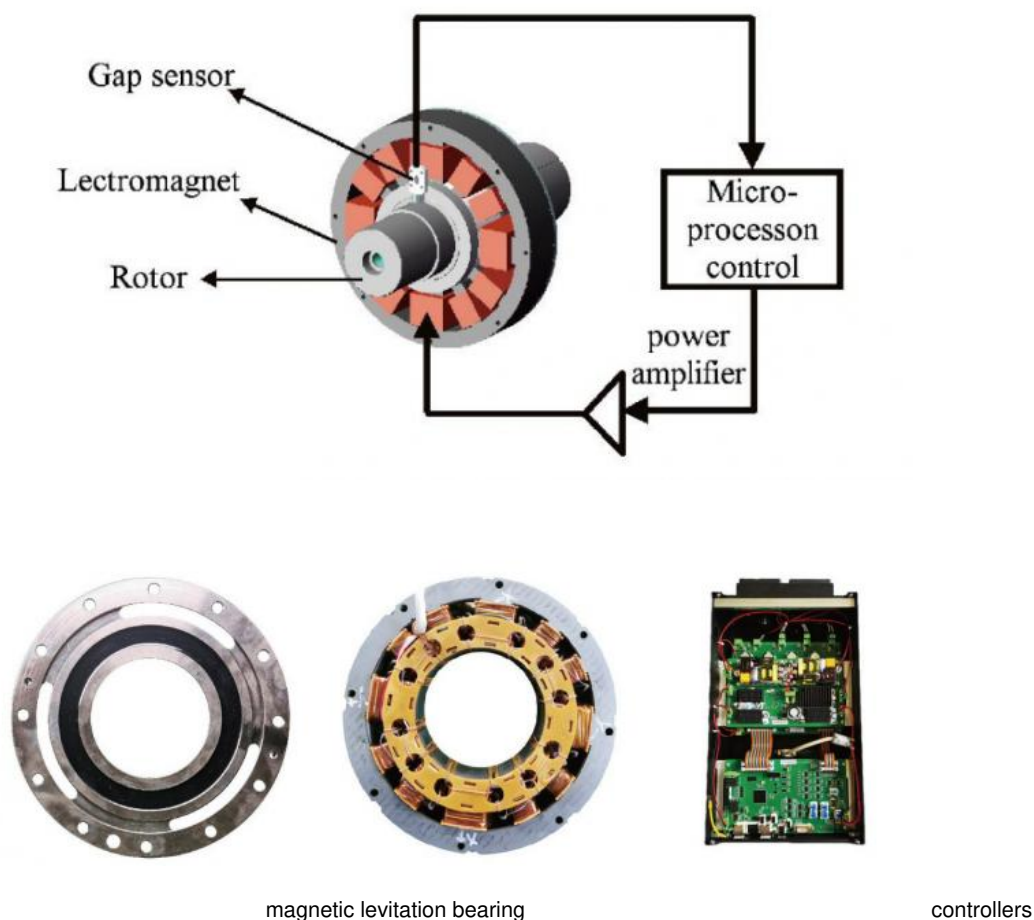
When the use conditions of the blower and the above table does not match, the need for performance conversion, our company can be non-standard design according to user requirements to meet the specific needs of users of various working conditions.

core technology

Core Technology with independent intellectual property right-Magnetic Bearing design and control technology

With independent intellectual property rights of 5 degrees of freedom magnetic levitation bearing technology, can ensure that when the equipment is energised, the rotor system can be levitated by electromagnetic force. The controller ensures more than 10,000 times of signal acquisition per second and gives real-time correction signals synchronously to ensure the stable levitation of the high-speed rotor.

With redundant power supply system and protection bearings to achieve multiple protection, will not cause any damage due to sudden power failure or fault shutdown.



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