



Permanent Magnetic Levitation Blower Synchronous Motor Wastewater Treatment

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: GF175
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Export Standard Packaging
- Payment Terms: T/T, L/C



Product Specification

- Typology: Centrifugal Fan
- Flow Range: 82-208m³/min
- Boost: 40-120kPa
- Bear: Autonomous Domestic Magnetic Bearings
- Efficiency: 77%
- Highlight: permanent magnetic levitation blower,
magnetic levitation blower synchronous,
permanent magnetic levitation bearings

for more products please visit us on aipukqdl.com

Product Description

Magnetic Levitation High Efficiency Permanent Magnet Synchronous Motor Wastewater Treatment

Product Description

1. Wastewater treatment

The magnetic levitation high-speed centrifugal blower can be widely used in all kinds of sewage treatment equipment, such as.

Sewage aeration system

Bio-reactor blower

Sludge drying equipment

The non-contact magnetic levitation technology, high-efficiency motor drive and optimised flow field design can effectively meet the needs of wastewater treatment equipment for high-efficiency, low-noise, reliable blowers.

2. Industrial Ventilation

This product can also be used in various industrial ventilation systems, such as.

Ventilation and dust removal in steel, chemical and other factories

Ventilation in mines, tunnels and other environments.

Ventilation systems in warehouses, workshops, etc.

Its excellent performance indicators, such as high efficiency, low noise, reliability, etc., can provide quality solutions for industrial ventilation systems.

3. HVAC system applications

Maglev high-speed centrifugal blowers are also widely used in building HVAC systems, such as

Central air-conditioning systems in large shopping malls and office buildings.

Fresh air systems in hospitals, airports and other public places.

Ventilation systems for underground works such as subways and tunnels

Its excellent energy efficiency and reliability can bring significant energy saving and safety for HVAC system.

Performance Features

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

| Product Series | GF 50 | GF 75 | GF 100 | GF125 | GF 150 | GF175 | GF 200 | GF 250 | GF 300 | GF350 | GF 400 |
|-----------------|------------------------------------|-------|----------------|-------|--------|----------------|--------|--------|----------------|-------|--------|
| Motor power(KW) | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 |
| Boost (kPa) | Inlet flow rate (m³/min) 1atm 20°C | | | | | | | | | | |
| 40 | 55 | 86 | 110 | 156 | 168 | 208 | 219 | 270 | 323 | 425 | 443 |
| 50 | 50 | 74 | 100 | 132 | 149 | 185 | 198 | 247 | 297 | 375 | 396 |
| 60 | 43 | 64 | 85 | 113 | 127 | 158 | 169 | 210 | 253 | 320 | 356 |
| 70 | 37 | 55 | 74 | 99 | 111 | 140 | 148 | 184 | 222 | 280 | 312 |
| 80 | 33 | 49 | 65 | 86 | 97 | 120 | 129 | 160 | 193 | 240 | 271 |
| 90 | 28 | 44 | 57 | 75 | 84 | 105 | 112 | 139 | 167 | 210 | 235 |
| 100 | | | 52 | 68 | 77 | 96 | 102 | 127 | 153 | 190 | 215 |
| 110 | | | | | 71 | 88 | 95 | 118 | 142 | 175 | 199 |
| 120 | | | | | 66 | 82 | 88 | 110 | 132 | 165 | 185 |
| 130 | | | | | | | | | 124 | 152 | 165 |
| 150 | | | | | | | | | | | 148 |
| 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

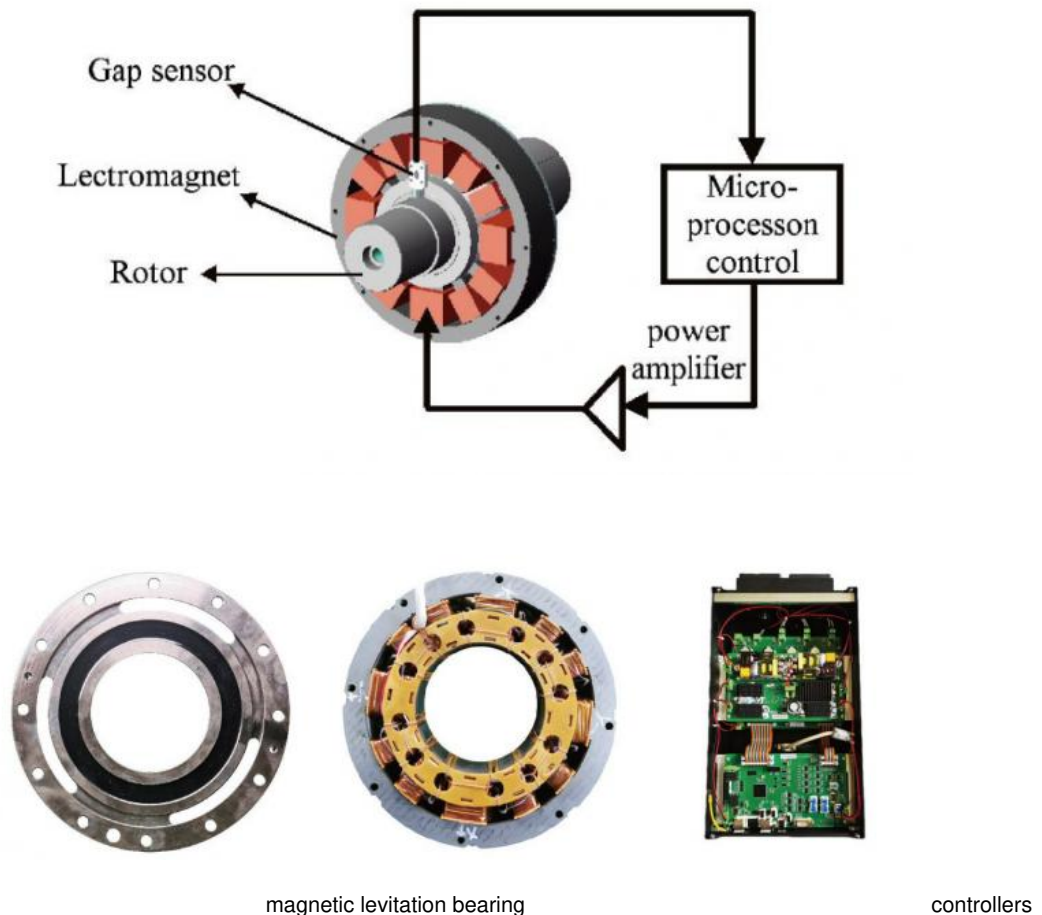
company can be non-standard design according to user requirements to meet the specific needs of users of various working conditions.

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.



Yixing Aipu Air System Equipment Co., Ltd



13771572002



183426306@qq.com



aipukqdl.com

Yixing Yicheng Street Hardware Electromechanical City, Phase I, Block 5, District 3, 8071