



Discover the Power of Magnetic Levitation Blower and High-Efficiency Solution for Industrial Applications

Our Product Introduction

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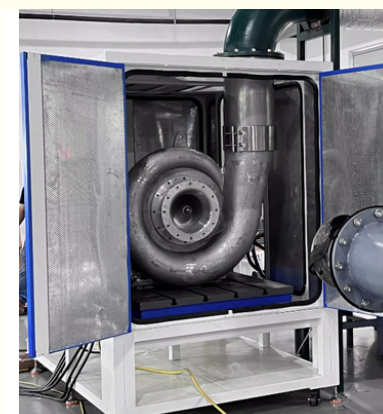
Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Certification: CE CCC SABS TUV RoHS
- Model Number: GF75
- Price: Negotiable
- Packaging Details: Standard Export Package
- Delivery Time: 6-8 workdays



Product Specification

- Features: Energy Saving, High Efficiency, Low Noise
- Power Consumption: 75 KW
- Place: China
- Material: Stainless Steel
- Capacity: 1000 Kg
- Control System: PLC Control



More Images



Product Description

Product Description:

Magnetic Suspension Centrifugal Blower is a product of high efficiency, energy saving and environment-friendly that is directly mounted by high-speed PMSM and ternary flow centrifugal impeller. The shaft vibration is timely supervised by build-in displacement sensor. The collected data will be input to the Magnetic Suspension Bearing Controller for computation to generate the control current. This current will be input to the windings of Magnetic Suspension Bearing to generate the magnetic force for suspension. PMSM generates frequency controllable current via inverter, this current will be input to the motor stator to generate rotation magnetic field to drive the shaft rotating at high speed. The impeller driven by high-speed rotating shaft will take the air from volute casing inlet, and will be forced by impeller and volute casing guidance to generate flow velocity and pressure. Then will be discharged from volute casing outlet to complete the blowing process.

Features:

Energy saving and efficient

Ternary flow impeller is directly coupled with high-speed PMSM;
Save more than 30% energy than Roots Blower; Save more than 20% energy than Multi-stage Centrifugal Blower;
Save more than 10% energy than Single Stage High Speed Centrifugal Blower.

Low Noise

With the self-balancing technology, the vibration level of Magnetic bearing is lower than traditional bearings, and there is no friction. Adopting the active vibration damping design, the blower can operate smoothly of less vibration, and the noise of the blower is around 80dB(A).

Maintenance Free

Integrated design, skid mounted structure, convenient installation, one key to start and stop the blower. No need for mechanical maintenance during daily operation, only to replace the filter.

Intelligent Control

With PLC+GPRS/3G/4G, we can real time monitor the operation status of the Blower and control flow, air pressure and speed by intelligently or manually mode. In case of failure, it can also be repaired and debugged remotely.

Technical Parameters:

Product Series	GF 50	GF 75	GF100	GF 125	GF150	GF 175	GF200	GF250	GF300	GF 350	GF400
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		40	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	1300	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.

Applications:

Suitable for sewage treatment industry, leather manufacturing industry, petrochemical industry and paper industry, thermoelectric industry, metallurgical industry, pharmaceutical industry, coal chemical industry, textile industry, printing and dyeing industry, food industry, cement building materials industry, etc.



Core Technology with independent intellectual property right —High efficiency PMSM:

High speed PMSM (high efficiency, high power density) with the independent intellectual property right can achieve a maximum speed of 6000rpm and a max power of 1000kW, the motor efficiency is better than 97%.





Core Technology with independent intellectual property right

-Ternary flow theory Impeller design and Aerodynamic flow field technology

The ternary flow theory impeller (with the optimized technology on strength, aerodynamics and flow field) has the features of high efficiency (the turbine efficiency is 94.5%, the equal-entropy efficiency is as high as 84%) achieves the advanced International level.



Packing and Shipping:

Product Packaging:

The Magnetic Levitation Blower will be carefully packed in a sturdy cardboard box.

The components will be placed in custom foam inserts to prevent any movement or damage during shipping.

An instruction manual and warranty information will be included inside the box.

Shipping:

The product will be shipped via a reliable carrier service.

Customers will receive a tracking number for their shipment.

The estimated delivery time will be provided to customers upon purchase.

International shipping is available, but additional fees may apply.

FAQ:

What is the brand name of the Magnetic Levitation Blower?

Aipu is the brand name of Magnetic Levitation Blower.

2.

Where is the Magnetic Levitation Blower manufactured?

The Magnetic Levitation Blower is manufactured in China.

3.

What certifications does the Magnetic Levitation Blower have?

The Magnetic Levitation Blower is certified by CE, CCC, SABS, TUV, and RoHS.

4.

What is the price of the Magnetic Levitation Blower?

The price of the Magnetic Levitation Blower is negotiable.

5.

What are the packaging details and delivery time for the Magnetic Levitation Blower?
The Magnetic Levitation Blower comes with a standard export package and has a delivery time of 6-8 workdays.



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