



High Speed Centrifugal Blower The Ideal Solution for High-Performance Air Flow in Industrial Applications

Our Product Introduction

Basic Information

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



Product Specification

- Features: Energy Saving, High Efficiency, Low Noise
- Place: China
- Model: High Speed Centrifugal Blower
- Control System: PLC Control
- Install: Easy To Install

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Product Description:

The GC series high-speed centrifugal blower adopts advanced aerodynamic design and high-speed motor direct drive technology, combined with a ternary flow impeller and high-efficiency variable frequency control, significantly improving energy efficiency and meeting the industrial demand for energy conservation and environmental protection. Its core advantages lie in high efficiency, low maintenance, and intelligent control.

Features:

Efficient and energy-saving

Adopting a three element flow impeller design, the efficiency is increased by 20% to 30% compared to traditional Roots fans. Equipped with high-speed permanent magnet synchronous motor (with a speed of up to 20000~40000 rpm), there is no mechanical loss and significant energy-saving effect. Support variable frequency speed regulation, dynamically adjust air volume according to working conditions, and avoid energy waste.

Low noise and low vibration

Precision dynamic balance correction and air bearing/magnetic levitation bearing options, with operating noise ≤ 75 dB, low vibration, and extended equipment life.

Enclosed sound insulation design, suitable for noise sensitive environments.

Intelligent control

Integrated PLC control system, real-time monitoring of parameters such as wind pressure, flow rate, temperature, etc., supporting remote monitoring and fault diagnosis.

Optional IoT module for cloud based data management.

compact structure

Integrated design, small size, light weight, saves installation space, and is easy to maintain.

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Technical Parameters:

型号 Type of Blower	进气状态 Suction Condition				工作转速 Speed (rpm)	升压 Discharge Pressure (kPa)	电机功率 Motor Power (kW)	主机重量 Blower Weight (kg)	接口尺寸 Interface dimensions (mm)
	流量 Capacity (m³/min)	压力 Pressure (kPa)	温度 Temperature (°C)	密度 Density (kg/m³)					
GC401-1.2	4.8	101.32	20	1.2	80000	19.6	4.0	11.2	φ39
GC401-1.25	4.6	101.3	20	1.2	80000	24.5	4.0	11.2	
GC401-1.3	4.4	101.3	20	1.2	80000	29.4	4.0	11.2	
GC401-1.35	4.0	101.3	20	1.2	80000	34.3	4.0	11.2	
GC401-1.4	3.5	101.3	20	1.2	80000	39.2	4.0	11.2	
GC401-1.45	2.7	101.3	20	1.2	80000	44.1	4.0	11.2	
GC401-1.5	1.8	101.3	20	1.2	80000	49.0	4.0	11.2	
GC402-1.2	6.7	101.3	20	1.2	80000	19.6	4.0	12	φ58
GC402-1.25	6.3	101.3	20	1.2	80000	24.5	4.0	12	
GC402-1.3	5.6	101.3	20	1.2	80000	29.4	4.0	12	
GC402-1.35	4.6	101.3	20	1.2	80000	34.3	4.0	12	
GC402-1.4	2.9	101.3	20	1.2	80000	39.2	4.0	12	
GC7501-1.2	12.9	101.3	20	1.2	80000	19.6	7.5	19	φ75
GC7501-1.25	12.2	101.3	20	1.2	80000	24.5	7.5	19	
GC7501-1.3	11.2	101.3	20	1.2	80000	29.4	7.5	19	
GC7501-1.35	9.8	101.3	20	1.2	80000	34.3	7.5	19	
GC7501-1.4	7.8	101.3	20	1.2	80000	39.2	7.5	19	
GC7502-1.2	11	101.3	20	1.2	80000	19.6	7.5	20	φ75
GC7502-1.25	10.5	101.3	20	1.2	80000	24.5	7.5	20	
GC7502-1.3	10.0	101.3	20	1.2	80000	29.4	7.5	20	
GC7502-1.35	9.8	101.3	20	1.2	80000	34.3	7.5	20	
GC7502-1.4	9.6	101.3	20	1.2	80000	39.2	7.5	20	
GC7502-1.45	8.8	101.3	20	1.2	80000	44.1	7.5	20	
GC7502-1.5	8.1	101.3	20	1.2	80000	49.0	7.5	20	
GC7502-1.55	6.5	101.3	20	1.2	80000	53.9	7.5	20	

Applications:

Wastewater treatment: used in aeration processes to replace traditional Roots blowers and reduce energy consumption.
 Chemical/Metallurgical: Provides stable gas source, suitable for pneumatic conveying, reactor gas supply, etc.
 Electricity/building materials: scenarios such as circulating fluidized bed boilers, desulfurization and oxidation.



Wastewater Treatment



Commercial Aquaculture



Food and Pharmaceutical Industry



Textile Printing and Dyeing Industry



Yeast Fermentation Industry



Electronics Industry



Gas Transmission

Customization:

Brand Name: Aipu

Place of Origin: China

Certification: CE,CCC,SABS,TUV,RoHS

Price: Negotiable

Packaging Details: Standard Export Package

Delivery Time: 6-8 workdays

Support and Services:

Our High Speed Centrifugal Blower is equipped with advanced technical support and services to ensure efficient operation and maintenance. Our team of experts provides technical assistance, troubleshooting, and training to our customers to maximize equipment performance and minimize downtime. Additionally, we offer calibration and validation services to ensure the accuracy and precision of our equipment. Our maintenance services include regular inspections, preventative maintenance, and emergency repairs to keep your equipment running smoothly. We also provide spare parts and accessories to minimize downtime in case of equipment failure. Contact us for more information on our technical support and services.

Packing and Shipping:

Product Packaging:

The High Speed Centrifugal Blower will be packaged securely in a durable cardboard box with foam padding to ensure safe transport. All components will be wrapped in protective material to prevent damage during shipping.

Shipping:

The product will be shipped via a reputable carrier service within 3-5 business days of receiving the order. The shipping cost will be calculated based on the destination and weight of the package. Customers will receive a tracking number upon shipment to monitor the delivery status.

FAQ:

Q: What is the brand name of this product?

A: The brand name of this product is Aipu.

Q: Where is this product made?

A: This product is made in China.

Q: What certifications does this product have?

A: This product is certified by CE, CCC, SABS, TUV, and RoHS.

Q: What is the price of this product?

A: The price of this product is negotiable.

Q: What are the packaging details of this product?

A: This product comes in a standard export package.

Q: How long will it take to receive this product?

A: The delivery time for this product is 6-8 workdays.



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