



Yixing Aipu Air System Equipment Co., Ltd

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High Speed Centrifugal Blower The Best Choice for High-Speed Air Movement in Industrial Settings

Our Product Introduction

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Basic Information

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



Product Specification

- Model: High Speed Centrifugal Blower
- Control System: PLC
- Installation: Easy To Install
- Power Supply: Electric
- Energy Efficiency: High Efficiency

Product Description

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.

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 (m ³ /min)	压力 Pressure (kPa)	温度 Temperature (°C)	密度 Density (kg/m ³)					
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	φ58
GC402-1.2	6.7	101.3	20	1.2	80000	19.6	4.0	12	
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	
GC7502-1.25	10.5	101.3	20	1.2	80000	24.5	7.5	20	φ75
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.

Customization:

Our product is CE, CCC, SABS, TUV, and RoHS certified, giving you peace of mind that you are purchasing a safe and reliable product. The high speed centrifugal blower is easy to install and comes with a standard export package for convenient delivery.

Packing and Shipping:

Product Packaging:

The GC Series High-Speed Centrifugal Blower will be securely packaged in a wooden crate to ensure safe transport.

The crate will be labeled with the product name, model number, and handling instructions.

Inside the crate, the product will be wrapped in protective foam and plastic to prevent any damage during shipping.

Shipping:

Shipping will be arranged by our logistics team and will be delivered to the address provided by the customer.

The delivery time will depend on the customer's location and shipping method chosen.

The customer will be provided with a tracking number to monitor the shipment.

Upon delivery, the customer is responsible for inspecting the product for any damage that may have occurred during shipping.

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 has CE, CCC, SABS, TUV, and RoHS certifications.

Q: What is the price of this product?

A: The price of this product is negotiable.

Q: How is this product packaged and delivered?

A: This product is packaged in a standard export package and delivery time is 6-8 workdays.



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