



## Maximize Air Flow with High Speed Centrifugal Blower for Optimal Industrial Performance

### 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

- Type: High Speed Centrifugal Blower
- Control System: PLC Control
- Place: China
- Model: Dry Crystallisation Systems

## 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  $\leq 75$  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 <sup>3</sup> /min)	压力 Pressure (kPa)	温度 Temperature (°C)	密度 Density (kg/m <sup>3</sup> )					
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:

Our solutions are designed to meet a variety of applications that require clean and compressed air, thereby enhancing the efficiency of your equipment or process to a higher level.



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

Control System: PLC Control

Features: Energy Saving, High Efficiency, Low Noise

## Packing and Shipping:

### Product Packaging:

The High Speed Centrifugal Blower will be securely packaged in a durable cardboard box.

All necessary components and accessories will be carefully wrapped and placed inside the box.

A user manual and installation guide will be included to assist with set-up and operation.

The box will be labeled with the product name, model number, and handling instructions for safe transport.

### Shipping:

Shipping will be arranged through a trusted carrier and will be fully insured to protect against damage or loss during transit.

The estimated delivery time will be provided at the time of purchase and will vary based on the destination.

The customer will be notified when the product has been shipped and provided with a tracking number for easy monitoring of the shipment status.

Delivery will require a signature upon receipt to ensure that the product has been received in good condition.

## FAQ:

**Q: What is the brand name of the High Speed Centrifugal Blower?**

A: The brand name of this product is Aipu.

**Q: Where was the High Speed Centrifugal Blower manufactured?**

A: This product was manufactured in China.

**Q: Does this product come with any certifications?**

A: Yes, this product has obtained the following certifications: CE, CCC, SABS, TUV, and RoHS.

**Q: What is the price of the High Speed Centrifugal Blower?**

A: The price of this product is negotiable. Please contact us for further details.

**Q: How will the High Speed Centrifugal Blower be packaged and delivered?**

A: This product will be packaged in a standard export package and delivered within 6-8 workdays.



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