



Compact Structure Aquaculture Roots Blower Aerator Wastewater Treatment Three Bladed Tri Lobe Roots Blower

Our Product Introduction

Basic Information

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



Product Specification

- Material: HT250
- Model: Roots Blower
- Flow: 0.22-59.21m³/min
- Boost: 9.8-78.4kpa
- Highlight: compact aquaculture roots blower, three bladed root blower for aquaculture, tri lobe roots blower



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Product Description

Roots blower aquaculture aerator wastewater treatment

Product Characteristics

The main product features of the ZW series Roots blower include high efficiency, small size, light weight, compact structure, and easy use and maintenance. This series of fans adopts advanced three bladed structure, with high area utilization coefficient, small airflow pulsation, smooth operation, and low noise. The drive end is lubricated with grease, and the gear end is lubricated with oil, ensuring stable operation and long service life of the equipment. In addition, the ZW series Roots blower also has excellent heat dissipation performance, using an aluminum alloy fuel tank and an air-cooled structure, which can maintain efficient operation even in high-pressure environments.

High stability: simple structure, stable operation, low vibration, and low noise.

High transmission efficiency: High transmission efficiency and low energy consumption.

Gas purity: It can transport clean gas without producing grease or other pollutants.

Wide applicability: Suitable for various gas transportation scenarios, including compressed air, coal gas, oxygen, hydrogen, etc.

No oil pollution: The impeller operates without friction inside the body, and the discharged gas is clean and free of oil stains.

High volumetric efficiency: With the change of pressure, the flow rate changes very little, but the flow rate can be adjusted by changing the speed.

Long lifespan: Low mechanical friction loss, minimal contact between bearings and gear pairs, smooth operation, and long service life.

Balance verification: The rotor has undergone static and dynamic balance verification, and is very stable during operation with minimal vibration.

In summary, the ZW series Roots blower has demonstrated excellent performance in various industrial applications due to its high efficiency, stability, and environmental friendliness, making it an ideal pneumatic conveying air source equipment.

Scope of application

It is suitable for sewage treatment industry, petrochemical industry, food and drug industry, textile industry, metallurgy industry, cement and construction materials industry, printing and dyeing industry and other industries.

Market Distribution

We have 42 offices throughout the country, in addition to Taiwan Province, 33 provinces in the country's administrative regions have a sound sales and service network. We can provide you with pre-sale, in-sale and after-sales service in a timely and convenient manner, understand your needs, and constantly improve the service and quality system while meeting the customized needs of customers.

High Performance Aerodynamic Design Methodology for Wide Service Conditions

By studying the influence of impeller and volute flow on efficiency and working stability, the R&D team proposed a flow control method and a pneumatic optimization design method to improve the performance of the main engine, which greatly improved the efficiency of the main engine.

Manufacturing & Equipment Base

has built laboratories, R&D buildings, processing workshops, etc., with internationally advanced and China leading high-precision processing equipment.





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