Industrial Centrifugal Air Blowers

High-Performance Engineering Solutions for Industrial Ventilation

Product Overview

Centrifugal air blowers are robust mechanical devices designed to move air or other gases at significantly increased pressure and volume. Equipped with a high-efficiency electric motor, rigid fabricated casing, and dynamically balanced impellers, these heavy-duty systems are ideal for demanding environmental and process industries.

Technical Specifications

Parameter	Standard Range / Value
Capacity Range	150 CMH to 1,250,000 CMH
Static Pressure	2" WG to 6" WG (Customizable high-pressure)
Fan Speed	300 to 3,000 RPM
Motor Power	1 HP to 150+ HP
Drive Type	Direct Drive / Coupling Drive / Belt Driven
Material of Construction	Mild Steel / Stainless Steel / Carbon Steel

Key Design Features

- **Heavy-Duty Fabrication:** Crafted with premium-grade steel plates to resist vibration and extend operational life.
- **Dynamic Balancing:** Impellers are precision-balanced to minimize noise levels and maintain high operational stability.
- **Advanced Cooling Systems:** Fitted with integrated aluminum discs for reliable heat dissipation and bearing safety.
- **Flexible Orientations:** Designed to meet diverse airflow directional configurations and space constraints.

Common Industrial Applications

- Boiler combustion air supply and induced draft systems.
- Industrial dust collection, exhaust filtration, and flue gas denitrification.

- Large-scale workshop ventilation, HVAC, and pneumatic conveying lines.
- Material processing plants (Cement, Chemical, Mining, and Steel).