

Three-Lobe Roots Blower

This three-lobe roots blower features a direct drive and horizontal structure. The blower offers high efficiency, energy saving capabilities, and low noise operation.



Overview

High-Efficiency Three-Lobe Roots Blower

The 3L62WD is a robust three-lobe roots blower engineered for consistent air and gas transfer in demanding industrial environments. This positive displacement blower is designed for high volumetric efficiency and low noise levels, ensuring reliable performance across various pressure ranges. Its durable construction features a belt and pulley system for efficient power transmission from an electric motor.

Performance Metrics

Key Performance Ratings

| | | |
|-------------------------------|----------------------------------|----------------------------------|
| 98 Kpa Max Pressure | 70.8 m3/min Max Volume | 160 KW Max Motor Power |
|-------------------------------|----------------------------------|----------------------------------|

Volumetric Efficiency High performance design for optimal air delivery

Technical Specifications

Operating Parameters Table

| Speed (r/min) | Pressure Range (Kpa) | Volume Flow (m3/min) | Motor Power (KW) |
|---------------|----------------------|----------------------|------------------|
| 980 | 9.8 - 98 | 46.6 - 34.8 | 18.5 - 110 |
| 1450 | 9.8 - 98 | 70.8 - 59.3 | 30 - 160 |

Design & Construction

Key Components

- Blower housing
- Three-lobe rotors
- High-precision bearings
- Integrated lubrication system
- Belt and pulley drive system

Technology Type

Positive Displacement • Three-Lobe Design • Low Noise