

ROOTS BLOWER



The Characteristic of the Roots Blower :

1. Product improved by raising the intensity in order to prevent cent rotor and axis deviation from external influences.
2. The air compartment and the side cover of our blower has a flange and groove rim, which can not only strengthen the blower's operational functions but also prevent eccentric phenomenal resulting from the fastening of the stud, which may shorten the life of the blower.
3. To reduce man-made errors, enhance the precision of the leave wheel, and to promote the blower efficiently, our rotor uses the most advanced one time work process Four-Shaft method.
4. Unique Design with Quality Components : Appropriate clearance between the rotors and the rotors with the casing ensure no direct operational contact, hence no lubrication is necessary. The synchronous gear drive system and the shaft bearings are the only parts which require lubrication. Separate lateral chambers

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are designed to house these moving parts with proper seals to prevent oil leakage to the main chamber.

5. **Low Noise & Minimal Vibration** : Noise and vibration reduction are the main emphasis in developing the new series of roots blower. The Blower rotor concept was adopted based on its flow characteristics which is very stable and even compared to the 2 lobes type, also coupled with the fact that it shows a considerable reduction of both noise and vibration. The extent of reduction can even allow the smaller unit to operate without the need of a silencer.

Specifications:

- Applications of the Pressure Conveyance
- Pressures Applied : 0 ~ 0.6 kgf/cm² 1 ~ 200HP
- Special order with specific designs

Features:

- **Lower noise** : Pressure pluses are the major noise source in blowers. The roots blower design can efficiently reduce noise by approximately 5 dB.
- **Lower energy consumption** : Roots blower are designed to control backflow pressure to the rotor in order to reduce energy consumption.
- **Longer bearing life** : Less vibration transmitted through the lobe results approximately 20% longer bearing life.

Applications:

- Supply fresh air for Waste Water Treatment Plant.
- Fox mixing liquid.
- For Sand Filter System

Brand of Roots Blower:

We offer you some Brand of roots blowers such as Anlet, Futsu, Trundean, Eko

Selections of Blower for application:

- Performance Table
- Outside Dimensions
- Accessories

Send us your requirements for using purpose, we will supply technical specification and instruct you how to use it.

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