



EVEREST VERTICAL TRILOBE ROOTS BLOWERS

**100%
Oil Free**

EVEREST, leading manufacturer of Roots Blowers in India, introduces the all new **Vertical Trilobe Roots Blowers**. These blowers have been designed keeping the specific demands of the industry of compact & sturdy machine, reduced noise, minimal space requirements, least vibrations, longer bearing life & minimal maintenance, in mind. Everest blowers are produced on latest state-of-art CNC machines from USA ensuring quality product. Complete package units are shipped with all essential accessories & electric motor, ready to install on plug & play concept. These blowers are designed for continuous duty service & require minimal maintenance. Everest Vertical Trilobe Blowers come with built-in safety & monitoring equipment such as safety relief valve & pressure gauge. Tri-Lobe technology means blowers have lobe tips exposed to 120 degrees around the rotor, instead of 180 degrees as in a two-lobe blower. This provides a stiffer rotor set, meaning less deflection at any load.

SALIENT FEATURES

- 100% oil free air delivery.
- Factory engineered, factory guaranteed, superior product.
- Alloy steel hardened and ground timing gears.
- Anti-friction bearings.
- Direct coupled drive.
- Rigid one piece CI casing and side plates.
- Improved volumetric efficiency and reduced operating temperatures.
- Easy rotor timing setting.
- No vanes, valves or rings to wear.
- Alloy steel toughened shafts ground to close tolerances.
- Larger inlet & outlet connections for minimal loss.

APPLICATIONS

- **Water Treatment Plants** For back washing of filter/mixed beds.
- **Effluent Treatment Plants** For diffused aeration and agitation of effluent.
- **Aquaculture** For maintaining the dissolved Oxygen level.
- **Chemical Plants** For supplying of process air.
- **Electroplating Plants** For Oil Free air agitation of electrolyte.
- **Paper Plants** Knife edge coating, Drying, Conveying, Vacuum pickup.
- **Yarn Drying** - Vacuum / Pressure drying of yarn.
- **Bag Filters** - For reverse cleaning of filter bags.
- **Pneumatic conveying** - Vacuum, pressure and combination conveying of cereals, cement husk, baggase, granules, powder and other similar material.
- **Regeneration of dryer & molecular sieves**



Our technology is so flexible, we can custom manufacture "Special Vacuum Systems" by alloying and cross linking diverse designs to suit individual requirements .


WE DON'T JUST OFFER BLOWERS, WE OFFER SOLUTIONS!

Leading the way for INNOVATIVE SOLUTIONS

EVEREST
 PRESSURE & VACUUM SYSTEMS

PERFORMANCE TABLE

VERTICAL TRILOBE ROOTS BLOWER

MODEL	SPEED (RPM)	1000 MMWG		2000 MMWG		3000 MMWG		4000 MMWG		STANDARD ORIENTATION
		m ³ /hr	KW	m ³ /hr	KW	m ³ /hr	KW	m ³ /hr	KW	
ETL-025	2865	31	0.30	30	0.40	29	0.50	28	0.60	

Conversions: 1 Cubic Mtr/Hour = 0.588 CFM; 1000 mmWG = 1.42 PSIG = 0.1 Kg/Sq cm; 1HP = 0.746 KW

SPECIFICATION

- Noise Level - < 80 db (A) [Subject to Load conditions]
- Weight (ETL-025) - 48 kg. (With 1 HP/2 Pble Electric Motor)
- Variable Frequency Drive (VFD) can be provided for speed / capacity regulation.



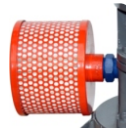
Quieter Operation - The Tri-Lobe rotor enables a smooth air output, with less pulsations. This results in a significant reduction of emitted sound.

LONGER LIFE

Longer Life - The smoother power cycles means less "impacting load" and results in longer bearing and unit life.



Built-in monitoring & safety equipment such as pressure gauge & safety relief valve



Easily mountable suction Air Filter with non-woven polyester media for surface & depth filtration. Mean bore size 25 microns.



A convenient sight glass makes it easy to check oil levels. Drain valve is mounted in the front of the unit, hence easily accessible.



Direct coupled drive resulting in increased drive efficiency, reduced noise & longer service Life.



Anti Vibration Pads absorb vibrations before they reach the floor

Leading the way for INNOVATIVE SOLUTIONS



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