



Laboratory High Vacuum Pumps – D Series

Compact, Quiet & Reliable Vacuum Solutions for
R&D and Educational Labs

Laboratory Vacuum Pumps

Driven by evolving industry demands and a commitment to innovation, Toshniwal Vacuum introduces the 72-D Series Direct Drive Vacuum Pumps—a modern solution designed for high performance, low noise, and easy maintenance. These oil-sealed, double-stage rotary vane pumps are engineered to deliver consistent vacuum levels with compact form factors and enhanced portability, making them ideal for space-constrained and noise-sensitive environments.

With pumping capacities ranging from 120 to 900 liters/min, the 72-D Series offers reliable performance across a wide range of industrial vacuum applications. Built with a robust lubricating system and durable materials, these pumps ensure long-term operation with minimal servicing.

Key Features & Benefits

- Portable and compact for easy installation
- Highly reliable with robust construction
- Low noise operation for noise-sensitive environments
- Double-stage configuration for deeper vacuum levels
- Advanced lubricating system for continuous-duty performance
- Easy maintenance with accessible components
- Sturdy design built for industrial durability

Typical Applications

Trusted across multiple industries for:

- Filtration and distillation processes
- Dehydration and refrigeration drying
- Solvent concentration and vapor backing
- General laboratory and industrial vacuum needs

Quality & Service Assurance

Every Toshniwal Vacuum pump is manufactured using durable, corrosion-resistant materials, with rigorous inspection and testing at every stage of production. When paired with high-grade vacuum oil, the 72-D Series delivers extended service life and consistent vacuum quality. We also ensure ready availability of OEM spares and provide efficient after-sales service through our pan-India support network.

Technical Data

Model	72:120-D	72:240-D	72:500-D	72:1000-D
Free air displacement (lit/min)	120	240	480	900
Ultimate pressure (Torr)*	1×10^{-3}	1×10^{-3}	1×10^{-3}	1×10^{-3}
Motor (kW)	0.37	0.55	1.1	1.5
Voltage	220V, 50 Hz, 1Ø	220V, 50 Hz, 1Ø	415V, 50 Hz, 3Ø	415V, 50 Hz, 3Ø
Intake fittings	KF 25	KF 25	KF 40	KF 40
Oil capacity (lit)	0.80	1.0	2.5	4.0
Dimensions (mm)	488X145X280	528X145X280	575X172X350	703X338X453
Net Weight (kgs)	20	22	60	75
RPM	1400	1400	1400	1400

*Specifications are subjected to changes without notice, measured on Mcleod Gauge

