

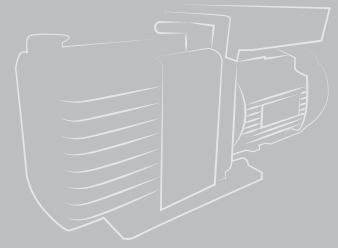


EliteVac

VACUUM SPECIALISTS

ROTARY VANE **PUMPS BROCHURE**





Welcome to Elite Vacuum, where tradition meets innovation.

With over 30 years of expertise in vacuum technology, we pride ourselves on manufacturing the industry's most reliable vacuum pumps. Our flagship product, the two-stage rotary vane pump, embodies our commitment to quality and efficiency, ensuring optimal performance for a wide range of applications. Trust in Elite Vacuum to deliver excellence and elevate your operations

DESCRIPTION

Applications

You can be assured Elite Vacuum has the application expertise and the RV pump or integrated system solution to meet your needs

Mass spectrometry

GCMS, LCMS, ICPMS, MALDI, RGA, surface science, leak detectors

Electron microscopy

TEM, SEM, sample coatiers

Sample preparation

Gel dryers, glove boxes, rotary evaporators, centrifuges

Research and development

Chamber evacuation, coating systems, turbopump backing

High energy physics

Beam lines, accelerators, mobile pump carts, turbopump backing, laser evacuation

Industrial

Glove boxes, coating systems, freeze drying, gas bottle filling/ emptying, refrigeration system manufacture, degassing/ curing (oil, epoxy resin)

Chemical

Gel dryers, glove boxes, rotary evaporators, centrifuges, distillation/ extraction/ filtration

TECHNICAL DATA

PERFORMANCE

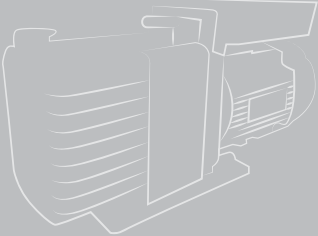
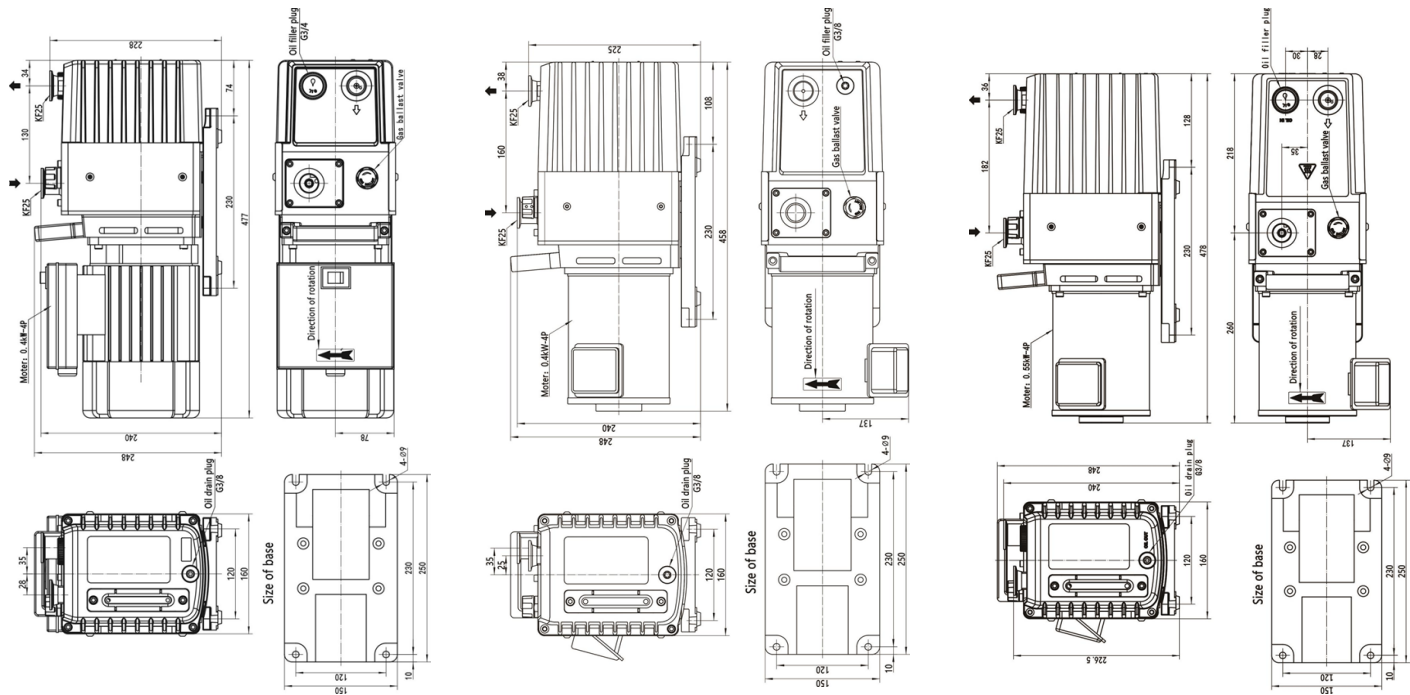


TABLE 1 PERFORMANCE DATA

Model			Elite3	Elite5	Elite10	Elite16	Elite 24
Pumping Speed	50Hz	m ³ /h	3.6	5.4	9.9	14.4	22
	60Hz	m ³ /h	4.3	6.5	12	17.4	26
Ultimate pressure	Gas ballast off	Pa			≤5X10 ⁻¹		
	Gas ballast on	Pa		≤5			≤4
Motor power (4P)	380V(3ph)	Pa			≤5X10 ⁻¹		
	220V(1ph)	Pa		0.4		0.55	0.75
Inlet				≤KF25/KF165			KF25/KF40
Outlet					KF25		
Vacuum pump oil					BSO-46		
Oil capacity		L	0.7	0.7	1.1	1.2	1.7
Weight		kg	22.5	22.5	25	27	38

1. The ultimate pressure is the value indicated on the Pirani gauge when the standard oil BSO 46 is used. The ultimate pressure when the Mcleod gauge is used is approx. One digit lower than the value indicated on the Pirani gauge.
2. The type of rotary pump oil differs depending on vapor pressure, viscosity, etc. The use of a wrong type of oil can lower the pump performance. So use the pump oil recommended BAOSI.
3. GP is abbreviates by gas ballast valve.

DIMENSIONAL DRAWING

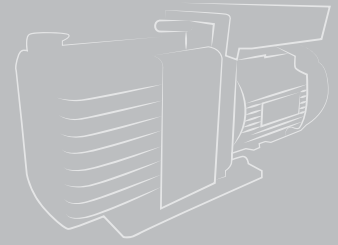


Elite 3 & 5

Elite 10

Elite 16

OUR SERVICES



1. Vacuum Pump Servicing

Regular maintenance is essential to keep your vacuum pumps running smoothly. Our service includes:

- **Inspection and Cleaning:** We meticulously inspect your vacuum pumps, identifying any wear, leaks, or performance issues. Our thorough cleaning process removes debris and contaminants, ensuring optimal functionality.
- **Lubrication and Seal Replacement:** Proper lubrication is crucial for extending the lifespan of your vacuum pumps. We replace worn seals and gaskets, preventing leaks and maintaining a tight seal.
- **Performance Testing:** Our technicians conduct performance tests to verify suction capacity, vacuum level, and overall efficiency. We fine-tune settings to achieve optimal performance.

2. Leak Detection / Pressure Rise Testing

Leaky vacuum systems can lead to reduced efficiency and product contamination. Our leak detection and pressure rise testing services include:

- **Comprehensive Leak Detection:** We use advanced techniques to identify even the smallest leaks in your vacuum system. Our goal is to prevent costly downtime and ensure airtight performance.
- **Pressure Rise Testing:** Our team assesses pressure rise rates, pinpointing any abnormalities. Timely detection allows us to address issues before they escalate.

3. Calibration and Certification of Vacuum Pressure Gauges

Accurate pressure measurement is critical for process control and safety. Our calibration and certification services cover:

- **Precision Calibration:** We calibrate vacuum pressure gauges to industry standards, ensuring accurate readings. Properly calibrated gauges enhance reliability and data integrity.
- **Certification Documentation:** Receive detailed certification reports for your vacuum pressure gauges, demonstrating compliance with regulatory requirements.

For any further queries email service@elitevacuum.com.au

Melbourne Office
Sales and service Centre:
3 Bonavita Court,
Chirnside Park, VIC 3116.
Australia

