

Indian Institute of Technology Kanpur

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Quotations in sealed envelopes are invited

For the procurement of **OIL-FREE DRY-SCROLL VACUUM PUMPS** comprising the following specifications, addressed to

Dr. Raja Angamuthu
Department of Chemistry
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Expected Technical Specifications	
Displacement (m³/hr) @ 50 HZ	At least 12 m ³ /hr
Peak Pumping Speed (m³/hr) @ 50 HZ	At least 11 m ³ /hr
Ultimate Pressure (mbar)	At least 5 mTorr
Motor Rating (kW)	More than 250 W
Voltage Input	240V ($\pm 10\%$) at 50/60Hz
RPM	$\cong 1800$
Noise level (db)	Not exceeding 60 @ 50 Hz
Operating temperature range (°C)	10-40
Leak Tightness	$< 1 \times 10^{-6}$ mbar ls ⁻¹

Pump should also have the following features:

- Lubricant- free vacuum environment and contamination free vacuum.
- Standby speed control buttons with thermally controlled fan
- Remote control interface for convenience of operation

Sincerely,

Raja Angamuthu