



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

Powai, Mumbai 400076.

Ref No. 1000052300

(Rfx. No.6100002679)

Technical Specifications: Turbo Molecular Pump for XRD System

Sr. No.	Parameter	Specifications	Technical Compliance (Yes/No)	Additional Information (If any)
1	High-vacuum connection	DN 63 ISO-K / DN63CF / DN 40 KF / DN 40 CF		
2	Pumping speed (without splinter guard): for N ₂ for He	65 l·s ⁻¹ 55 l·s ⁻¹		
3	Ultimate pressure: with two-stage, oil- sealed rotary vane pump with diaphragm pump achieving ultimate pressure < 5 mbar	< 10 ⁻⁹ mbar < 10 ⁻⁷ mbar		
4	Max. permissible forevacuum pressure	10 mbar		
5	Operating speed	72,000 rpm		
6	Run-up time	1.5 min		
7	Forevacuum connection	DN 16 KF or Camozzi coupling		
8	Type of protection	IP 20		
9	Noise level	< 46 dB(A)		
10	Warranty period	12 months from the date of shipment		