

PRODUCT TECHNICAL BRIEF

CBVAC JFB-200/1401 Hybrid-Bearing Turbomolecular Pump

CBVAC JFB-200/1401 Hybrid-Bearing Turbomolecular Pump - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Pumping speed	1,350 L/s for nitrogen; 1,200 L/s for helium
Ultimate pressure	$<5 \times 10^{-7}$ Pa with CF inlet; $<5 \times 10^{-6}$ Pa with LF/ISO-K inlet
Compression ratio	1×10^{11} for nitrogen; 1×10^4 for helium
Main inlet	DN200 LF/ISO-K or CF200
Foreline connection	DN40 ISO-KF; optional KF50 stated in source record
Recommended backing pump	8-16 L/s
Maximum continuous foreline pressure	300 Pa for nitrogen; 200 Pa for helium
Nominal / standby rotor speed	30,000 / 21,000 rpm
Supply and maximum power	220 V AC $\pm 10\%$, 50/60 Hz; up to 1,000 W
Interfaces	RS-485 Modbus RTU, DB15 and local controls
Cooling	Air or water; source water specification 1.5 L/min at 15-25 °C
Approximate weight	30 kg LF; 34 kg CF

Technical and Project Information

DN200 turbomolecular pump with 1,350 L/s nitrogen and 1,200 L/s helium pumping speed in the source technical table. LF and CF inlet versions, RS-485 control, grease-lubricated ceramic ball bearings and air or water cooling support large high-vacuum chambers.

CBVAC JFB-200/1401 Turbomolecular Pump

The JFB-200/1401 is a large DN200 turbomolecular pump for high-throughput vacuum systems. The grease-lubricated ceramic ball-bearing design is available with LF/ISO-K or CF inlet flanges.

The model is commonly described as a 1400 L/s class pump, while the detailed source table states 1,350 L/s for nitrogen. Confirm current guaranteed speed, flange, controller, cable, purge and cooling requirements by ordering code.

Integrate pressure, backing, speed and cooling interlocks. Large turbomolecular pumps require rigid, correctly aligned mounting and controlled venting.

- Vacuum Pumps Atmosphere-to-High-Vacuum Dry Pumps High-Vacuum Pumping Stations Ion Pumps KYKY RV Rotary-Vane Pumps Roots Booster Pumps Screw Vacuum Pumps Tank Evacuation Systems Turbomolecular Pumps Grease-Lubricated KYKY Turbomolecular Pumps JFB Ceramic-Bearing Turbomolecular Pumps KYKY CXF Magnetically Levitated Turbomolecular Pumps KYKY FF Turbomolecular Pumps for Vacuum Insulation MTP Magnetically Levitated Turbomolecular Pumps
- Atmosphere-to-High-Vacuum Dry Pumps
- High-Vacuum Pumping Stations
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- Grease-Lubricated KYKY Turbomolecular Pumps
- JFB Ceramic-Bearing Turbomolecular Pumps
- KYKY CXF Magnetically Levitated Turbomolecular Pumps
- KYKY FF Turbomolecular Pumps for Vacuum Insulation
- MTP Magnetically Levitated Turbomolecular Pumps
- Helium Reference Leaks
- Scanning Electron Microscopes
- Leak-Detector Accessories

WORLDWIDE PROJECT CONTACT

Send the test object or system, operating conditions, target sensitivity or pressure range, applicable standard, destination country, quantity and schedule. LeakLab will review the project scope.

mail@leaklab.org

Regarding: CBVAC JFB-200/1401 Hybrid-Bearing Turbomolecular Pump

Specifications, standards, verification scope, availability and commercial terms must be confirmed for the exact configuration and destination jurisdiction before order or project acceptance.