

PRODUCT TECHNICAL BRIEF

CBVAC JZB-63/180 Direct-Atmosphere High-Vacuum Dry Pump

CBVAC JZB-63/180 Direct-Atmosphere High-Vacuum Dry Pump - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Peak pumping speed	175 m ³ /h, approximately 49 L/s
Ultimate pressure	$\leq 1 \times 10^{-4}$ mbar, approximately 1×10^{-2} Pa
Inlet / exhaust	LF63 / KF25
Rotor support	Grease-lubricated ceramic ball bearings
Cooling	Water, >2 L/min, 15-35 °C, 0.2-0.7 MPa in the source data
Power	Three-phase 200-240 V AC, 50/60 Hz; 380 V versions listed
Nominal input power	Approximately 1.4 kW
Control	Remote I/O or RS-232 stated in the source product data
Mounting / weight	Vertical / approximately 45 kg

Technical and Project Information

Integrated dry pump for evacuation from atmospheric pressure to high vacuum without a separate backing pump. The JZB-63/180 provides a peak pumping speed of approximately 175 m³/h, an LF63 inlet and a KF25 exhaust.

The JZB-63/180 combines multiple dry pumping stages in one unit and can start at atmospheric inlet pressure. It is intended for load locks, transfer chambers and clean processes where an oil-sealed backing pump is undesirable.

The model class is often rounded to 180 m³/h; the technical value used here is 175 m³/h. “Dry” describes the pumped-gas path and does not mean the rotor bearings contain no lubricant.

Confirm L/LE/Twin suffix, mains voltage, nitrogen-purge option, interface, cooling-water quality and process-gas compatibility. Use cooling, vibration, current and temperature interlocks.

- Vacuum Pumps Atmosphere-to-High-Vacuum Dry Pumps JZB Atmosphere-to-High-Vacuum Pumps High-Vacuum Pumping Stations Ion Pumps KYKY RV Rotary-Vane Pumps Roots Booster Pumps Screw Vacuum Pumps Tank Evacuation Systems Turbomolecular Pumps
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- JZB Atmosphere-to-High-Vacuum Pumps
- High-Vacuum Pumping Stations
- KYKY RV Rotary-Vane Pumps
- Roots Booster Pumps
- Screw Vacuum Pumps
- Tank Evacuation Systems
- 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 JZB-63/180 Direct-Atmosphere High-Vacuum Dry Pump

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