

PRODUCT TECHNICAL BRIEF

KYKY FF-100/110 Turbomolecular Pump

KYKY FF-100/110 Turbomolecular Pump - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Pumping speed: N ₂ / He / H ₂ / Ar	110 / 100 / 50 / 100 L/s
Compression ratio: N ₂ / He / H ₂ / Ar	1×10^8 / 1×10^2 / 5×10^2 / 1×10^8
Ultimate pressure	6×10^{-7} Pa with CF inlet; 6×10^{-6} Pa with ISO-K inlet
Main inlet / foreline	DN100 CF or DN100 ISO-K / DN25 ISO-KF
Maximum continuous / short-term foreline pressure	200 / 300 Pa for nitrogen
Nominal rotor speed / start time	42,300 rpm / ≤ 3 min
Cooling	Air at 5-32 °C ambient, or water at ≥ 1 L/min and ≤ 25 °C
Supply and controller	220 V AC $\pm 10\%$; FD-110B
Maximum power	300 W
Recommended backing-pump speed	2 L/s
Mounting / weight	Any orientation / 8 kg

Technical and Project Information

Grease-lubricated ceramic-bearing turbomolecular pump with 110 L/s nitrogen pumping speed, DN100 CF or ISO-K inlet and DN25 ISO-KF foreline connection. The FF-100/110 supports any-orientation mounting and air or water cooling.

The FF-100/110 is a compact compound turbomolecular pump for research, vacuum furnaces, electronic-device production and other high-vacuum systems. Its high-strength rotor and grease-lubricated ceramic bearings support installation in any orientation.

The former Russian title claimed 6×10^{-8} Pa and described indefinite maintenance-free operation. Current KYKY data supports 6×10^{-7} Pa for CF and does not justify a universal maintenance interval.

Confirm inlet version, FD-110B controller, cable, cooling arrangement and backing pump. Protect the rotor from particles, impact and abrupt 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
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- High-Vacuum Pumping Stations
- KYKY RV Rotary-Vane Pumps
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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: KYKY FF-100/110 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.