PRODUCT TECHNICAL BRIEF

KYKY FF-100/300 Turbomolecular Pump

KYKY FF-100/300 Turbomolecular Pump - LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Pumping speed: N2 / He / H2 / Ar	295 / 250 / 200 / 305 L/s
Compression ratio: N2 / He / H2 / Ar	1 × 10^9 / 1 × 10^6 / 1 × 10^5 / 1 × 10^9
Ultimate pressure	5 × 10^-7 Pa with CF inlet; 2.5 × 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	500 / 700 Pa for nitrogen
Nominal rotor speed / start time	51,000 rpm / ≤4 min
Cooling	Air or water; water flow 1 L/min at ≤25 °C
Supply and compatible control units	24 V DC or 220 V AC; TD-300, TCP-240 or TC-100 listed by KYKY
Maximum power	220 W
Recommended backing-pump speed	1-3 L/s
Mounting / weight	Any orientation / 8.5 kg ISO-K, 11 kg CF

Technical and Project Information

Compact instrument-class turbomolecular pump with 295 L/s nitrogen pumping speed, DN100 CF or ISO-K inlet and DN25 ISO-KF foreline connection. The FF-100/300 supports air or water cooling, any-orientation mounting and compatible 24 V DC or 220 V AC control equipment.

The FF-100/300 is a compact grease-lubricated ceramic-bearing pump for analytical instruments, leak detectors, research systems and other high-vacuum equipment. Its compound pumping stage is designed to retain useful performance at elevated foreline pressure.

Confirm inlet configuration, controller, cables, cooling hardware, backing pump and communications interface when ordering. Ultimate pressure depends on the flange seal, chamber cleanliness, conductance and backing conditions.

Protect the rotor from particles, shock and sudden venting, and interlock the backing pump, cooling and rotor-speed signals.

- 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
- 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
- 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-100/300 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.