

PRODUCT TECHNICAL BRIEF

KYKY FF-40/25 Turbomolecular Pump

KYKY FF-40/25 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	20 / 18 / 11 / 25 L/s
Compression ratio: N2 / He / H2 / Ar	1×10^6 / 6×10^2 / 1×10^2 / 1×10^6
Ultimate pressure	$\leq 5 \times 10^{-4}$ Pa
Main inlet / foreline	DN40 ISO-KF / DN16 ISO-KF
Maximum continuous / short-term foreline pressure	500 / 1,000 Pa for nitrogen
Nominal rotor speed / start time	36,000 rpm / ≤ 3 min
Cooling	Forced air
Supply and compatible control units	24 V DC or 220 V AC; TD-25, TCP-100 or TC-100 listed by KYKY
Maximum power	70 W
Recommended backing-pump speed	0.5-1 L/s
Mounting / weight	Any orientation / 3 kg

Technical and Project Information

Compact air-cooled turbomolecular pump for analytical instruments and leak detectors. Current KYKY data gives 20 L/s nitrogen pumping speed, a DN40 ISO-KF inlet, DN16 ISO-KF foreline connection and ultimate pressure of $\leq 5 \times 10^{-4}$ Pa.

The FF-40/25 is a small grease-lubricated ceramic-bearing turbomolecular pump for mass spectrometers, leak detectors and compact research instruments. It can be mounted in any orientation and uses forced-air cooling.

The former Russian title quoted 25 L/s and 1×10^{-4} Pa. This page uses the current manufacturer's 20 L/s nitrogen speed and $\leq 5 \times 10^{-4}$ Pa ultimate-pressure specification.

Confirm controller, cable, fan, backing pump and communications interface. Protect the rotor from particles, impact and sudden 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
- 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-40/25 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.