

PRODUCT TECHNICAL BRIEF

KYKY FF-63/80 Turbomolecular Pump

KYKY FF-63/80 Turbomolecular Pump - LeakLab solutions for leak testing, vacuum systems and test equipment.

[Open the current source page](#)



Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Pumping speed: N2 / He / H2 / Ar	82 / 87 / 58 / 44 L/s
Compression ratio: N2 / He / H2 / Ar	1×10^8 / 1×10^3 / 1×10^3 / 1×10^8
Ultimate pressure	8×10^{-7} Pa with CF inlet; 7×10^{-6} Pa with ISO-K inlet
Main inlet / foreline	DN63 CF or DN63 ISO-K / DN16 ISO-KF
Maximum continuous / short-term foreline pressure	200 / 650 Pa for nitrogen
Nominal rotor speed / start time	72,000 rpm / ≤ 3 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-80, TCP-100 or TC-100 listed by KYKY
Maximum power	90 W
Recommended backing-pump speed	0.5-2 L/s
Mounting / weight	Any orientation / 4.8 kg ISO-K, 6.5 kg CF in current KYKY data

Technical and Project Information

Compact instrument turbomolecular pump with 82 L/s nitrogen pumping speed, DN63 CF or ISO-K inlet and DN16 ISO-KF foreline connection. The current FF-63/80 supports any-orientation mounting, air or water cooling and compatible 24 V DC or 220 V AC control equipment.

The FF-63/80 is a compact grease-lubricated ceramic-bearing turbomolecular pump for mass spectrometry, leak detection, analytical instruments and research vacuum systems. The specifications below follow KYKY's current product page; older manuals and the legacy source page contain different values.

Confirm the exact production revision, inlet flange, controller, cables, cooling kit and communications interface. Do not combine dimensions or performance figures from the older FF-63/80HV revision with the current FF-63/80.

Use a rotor screen where appropriate and interlock backing, cooling, speed 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
- 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-63/80 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.