

PRODUCT TECHNICAL BRIEF

LeakLab MRS-120L Dry Screw Vacuum Pump, 110 m³/h

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- LeakLab solutions for leak testing, vacuum systems and test equipment.

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Technical Data

PARAMETER	PUBLISHED VALUE / INFORMATION
Peak pumping speed	110 m ³ /h
Stated ultimate pressure	1.3 Pa
Nominal power	1.5 kW
Power at ultimate pressure stated in source record	Approximately 0.65 kW
Energy-saving mode stated in source record	Approximately 0.055 kW; confirm operating conditions
Nominal rotor speed	9,000 rpm
Inlet options	Horizontal KF50 or vertical ISO63
Exhaust	KF25
Cooling water	1/4-inch quick connection; approximately 1 L/min; source maximum temperature 35 °C
Optional nitrogen purge	1/4-inch tube connection; 0 or 5 L/min stated in source record
Electrical supply	Three-phase 220 V or 380 V, 50 Hz
Noise at ultimate pressure	<55 dB; frequency weighting is not identified in the source record
Dimensions / weight	Approximately 450 × 230 × 305 mm / 60 kg

Technical and Project Information

LeakLab MRS-120L Dry Screw Vacuum Pump

The MRS-120L is a compact water-cooled dry screw pump for load locks, analytical equipment and other applications where oil in the pumping chamber is undesirable. Horizontal and vertical inlet configurations are listed in the source brochure.

technical video, audio and presentation media from the source page are intentionally omitted. Confirm the current English manual, exact inlet orientation, voltage, purge kit, cooling-water quality, interface, exhaust treatment and performance curve before ordering.

Process compatibility must be assessed for condensable, corrosive, flammable, toxic or particle-forming gases. Interlock cooling and exhaust conditions with pump operation.

- 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
- 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
- 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: LeakLab MRS-120L Dry Screw Vacuum Pump, 110 m³/h

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