

MR SERIES — MULTI-STAGE ROOTS VACUUM PUMP

MR100

Oil-free, multi-stage Roots vacuum pump — 100 m³/h pumping speed, 2 Pa ultimate pressure. Built for continuous industrial duty with a 5-year maintenance interval.

	PUMPING SPEED
	100 (28) m³/h (L/s)
	ULTIMATE PRESSURE
	2 Pa
WEIGHT	
90 kg	
DIMENSIONS (L×W×H)	
576×320×365 mm	

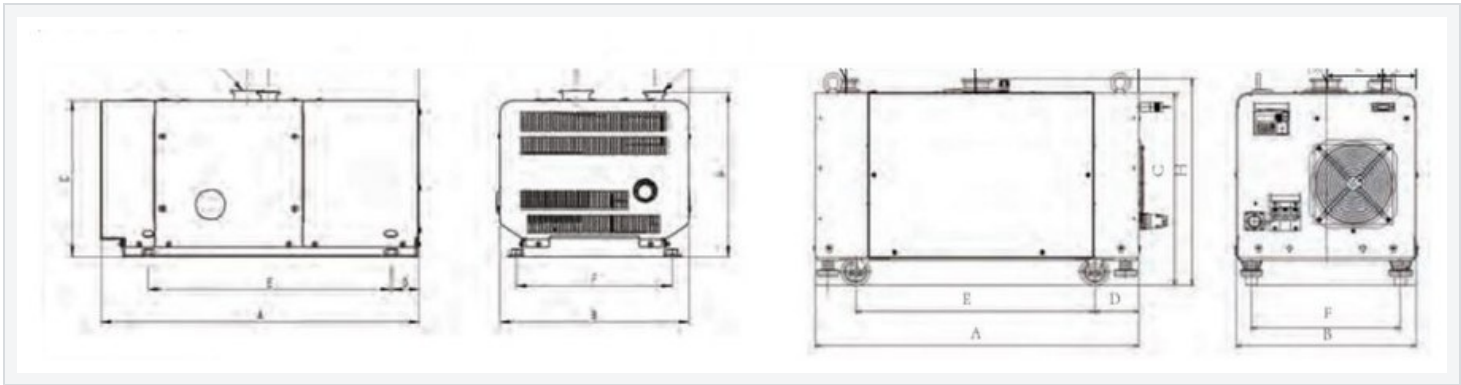
Full Specifications

Pumping speed	100 (28) m³/h (L/s)
Ultimate pressure (gas ballast closed)	2 Pa
Max. motor power	0.60 kW
Max. water vapor capacity (gas ballast open)	600 g/h
Noise level	≤55 dB(A)
Weight	90 kg
Inlet port	NW40
Outlet port	NW25
Dimensions — L×W×H	576×320×365 mm

Common Operating Conditions

POWER SUPPLY
1-Ph AC 200-240V
VOLTAGE TOLERANCE
±10%
MAX. INLET PRESSURE
Atmospheric
MAX. BACK PRESSURE
≤3 kPa
AMBIENT TEMP.
5-40°C

Installation Dimensions (mm)



Outline drawing shared across the MR series; values below are specific to the MR100.

A	B	C	D	E	F	H	I	J	K	L	DN
576	320	342	78	425.5	265	365	232	288	100	60	KF40/25

Why MR

- 5-year service interval (air / N₂ duty)
- Built-in frequency converter — 50/60 Hz
- No seals to replace — no wear debris
- Handles light water vapor and solvent loads
- Dry, oil-free — contamination-free chamber
- Air-cooled — no cooling water required