Leybold

LEYVAC B
Dry vacuum pump

When it comes to performance, the LEYVAC B range stands strong. Built to meet the demands of industrial process and coating applications, this product range remains one of our most rugged, reliable and durable vacuum solutions. The LEYVAC B product line comprises of the models LEYVAC LV 80 B, LV 120 B and LV 160 B.

Benefits:

- **Dry pump technology**
  - No oil contact to process gases
  - Only occasional gear oil change
- **High pumping speed**
  for air already at high pressures
- **Hermetically tight**
  - No shaft seals to ambient
  - No oil leakage
  - Safe pumping of toxic gases
- **High reliability**
  - Long service intervals of up to 5 years
  - High uptime with limited maintenance
- **Performance enhancements**
  Direct coupling of roots booster pumps without frames for models WH 700 and WA(U)/WS(U) 251-1001
- **Nano-ceramic coating** on all internal gas-contact surfaces for superior corrosion resistance

Application:

- **Process industry**
  - Industrial furnaces
  - Degassing
  - Charging
  - Casting
  - Drying processes in general
  - Freeze drying
  - Packaging
  - Plasma cleaning
- **Coating**
  - PVD/CVD/ALD coating
  - Wear resistant coatings
  - Optical coating
  - Web coating
- **Solar**
  - CVD/PECVD
  - Crystal pulling and casting
- **Support functions**
  - Regeneration of cryo pumps
  - Backing pumps for Turbomolecular pumps
- **Chemical Process Industry**
  - Pharma freeze drying

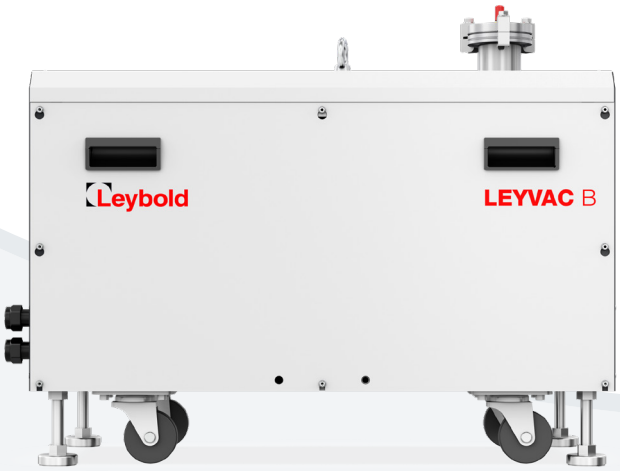
LEYVAC series Performance meets excellence

Technical data

		LEYVAC		
		LV 80 B	LV 120 B	LV 160 B
Maximum pumping speed (50/60Hz) (W/O gas ballast)		80/96	100/120	160/180
Ultimate partial pressure	mbar	$1*10^{-2}$		
Max. perm. inlet pressure	mbar	1013		
Water vapour tolerance w/gas ballast 80 slm 50 / 60 Hz	mbar	20 / 25	8 / 9	114 / 161
Water vapour capacity w/ gas ballast 80 slm 50 / 60 Hz	kg/h	1.2 / 1.7	0.6 / 0.8	13.3 / 21.0
"Noise level with silencer, at ultimate pressure (acc. to DIN EN ISO 2151)"	dB(A)	< 65	< 60	< 70
Noise level with rigid exhaust pipe, at ultimate pressure (acc. to DIN EN ISO 2151)	dB(A)	< 70	< 65	< 75
Cooling		Water / Glycol		
Main voltage (low voltage, 50/60Hz)		Δ200 - 230 V ±10 %		
Main voltage (high voltage, 50/60Hz)		Y380 - 440 V ±10 %		
Lubricant filling		LVO 410		
Intake flange		DN 63 ISO-K		
Discharge flange		DN 40 KF		
Weight, approx.	kg	235	235	300
Dimensions in mm (W x H x D)	mm	813 x 379 x 587	813 x 379 x 587	894 x 409 x 597

Ordering information

	LV 80 B	LV 120 B	LV 160 B
Supply voltage 400V	19200080V30CQV	19200120V30CQV	19200160V30CQV
Supply voltage 200V	19200080V31CQV	19200120V31CQV	19200160V31CQV
LEYVAC B with lubricant LVO 410,complete with base plate,castors,temperature switch, purge system, rotor purge and full enclosure.			



Leybold

Pioneering products. Passionately applied.

EN 11/2025
Technical alterations reserved.