

Leybold D-4B, D-8B

Technical Specifications

		TRIVAC D 4 B two-stage		TRIVAC D 8 B two-stage	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal pumping speed ¹⁾	m³/h (cfm)	4.8 (2.8)	5.8 (3.4)	9.7 (5.7)	11.6 (6.9)
Pumping speed 1)	m³/h (cfm)	4.2 (2.5)	5.0 (3.0)	8.5 (5)	10.2 (6)
Ultimate partial pressure without gas ballast ¹⁾	mbar (Torr)	10 ⁻⁴ (0.75 x 10 ⁻⁴)			
Ultimate total pressure without gas ballast ¹⁾	mbar (Torr)	< 2 x 10 ⁻³ (< 1.5 x 10 ⁻³)	< 2 x 10 ⁻³ (< 1.5 x 10 ⁻³)	< 2 x 10 ^{.3} (< 1.5 x 10 ^{.3})	< 2 x 10 ⁻³ (< 1.5 x 10 ⁻³)
Ultimate total pressure with gas ballast ¹⁾	mbar (Torr)	< 5 x 10 ⁻³ (< 3.8 x 10 ⁻³)	< 5 x 10 ⁻³ (< 3.8 x 10 ⁻³)	< 5 x 10 ⁻³ (< 3.8 x 10 ⁻³)	< 5 x 10 ⁻³ (< 3.8 x 10 ⁻³)
Water vapor tolerance 1)	mbar (Torr)	30.0 (22.5)	30.0 (22.5)	25.0 (18.8)	25.0 (18.8)
Water vapor capacity	g/h (lbs/h)	95 (0.209)	110 (0.243)	160 (0.353)	190 (0.419)
Oil filling, min. / max.	l (qt)	0.3 / 0.8 (0.3 / 0.85)	0.3 / 0.8 (0.3 / 0.85)	0.3 / 0.9 (0.3 / 0.95)	0.3 / 0.9 (0.3 / 0.95)
Noise level ²⁾ to DIN 45 635, without / with gas ballast	dB(A)	50 / 52	50 / 52	50 / 52	50 / 52
Admissible ambient temperature	°C (°F)	+12 to +40 (+54 to +104)			
Motor rating ²⁾	W (HP)	370 (0.50)	370 (0.50)	370 (0.50)	370 (0.50)
Nominal speed	rpm	1500	1800	1500	1800
Type of protection	IP	3)	3)	3)	3)
Weight ²⁾	kg (lbs)	17.9 (39.4)	17.9 (39.4)	18.9 (41.6)	18.9 (46.7)
Connections, Intake and Exhaust	DN	16 KF	16 KF	16 KF	16 KF

 $^{\scriptscriptstyle 1)}\,$ To DIN 28 400 and following numbers

²⁾ Motor rating and noise levels for the pumps with AC motor 50 Hz.

Any data that deviate from the above for pumps with other motors, and other motor-dependent data are given in chapter "Products", paragraph "Motor Dependent Data for the TRIVAC B, BCS and BCS-PFPE"

 $^{\scriptscriptstyle 3)}\,$ See paragraph "Motor Dependent Data for the TRIVAC B, BCS and BCS-PFPE"

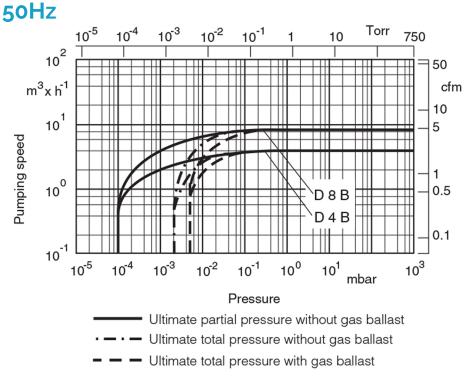


PROVAC SALES, INC. 3131 SOQUEL DRIVE, SOQUEL CA 95073

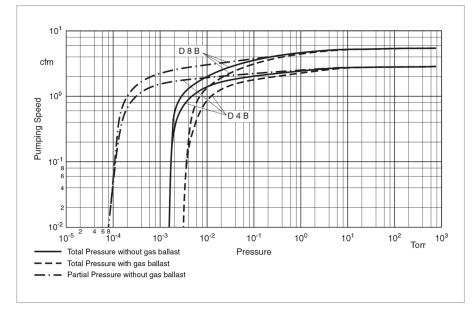


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Pumping Curves

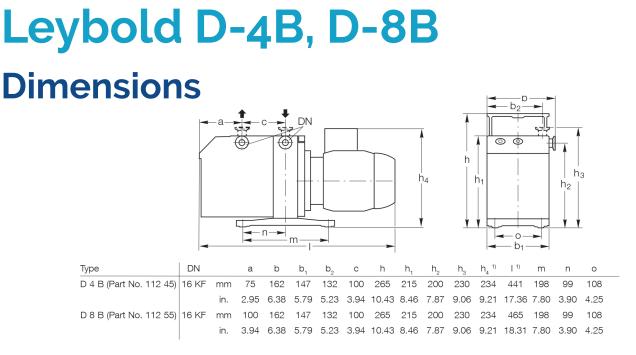


60Hz



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Features & Benefits

- ideal as backing pump for medium/high vacuum applications
- built-in oil pump, pressure-lubricated sliding bearings
- anti-suckback valve controlled via oil pressure
- continuous operation, even at 1000 mbar
- high water vapor tolerance, highly leaktight
- service-friendly

Applications

- vacuum coating research and development chemistry pharmaceuticals • lamps/tubes manufacturing • analytical/ environment engineering • cooling and air conditioning • electrical/ mechanical engineering • medicine technology • vacuum drying cabinets • chemistry and research labs • freeze-drying systems
- backing pump for high vacuum pump systems