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Leybold SV-1200

Technical Specifications

		50 Hz SOGEVAC SV 1200	60 Hz
Nominal speed [1]	$m^3 \times h^{-1}$ (cfm)	1150 (677)	1150 (677)
Pumping speed [1]	$m^3 \times h^{-1}$ (cfm)	1070 (630)	1070 (630)
Ultimate partial pressure without gas ballast [1]	mbar (Torr)	≤ 0.1 (≤ 0.08)	≤ 0.1 (≤ 0.08)
Ultimate total pressure with 1 standard gas ballast [1]	mbar (Torr)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)
with 2 gas ballasts [2]	mbar (Torr)	≤ 2.0 (≤ 1.5)	≤ 2.0 (≤ 1.5)
Water vapor tolerance			
with 1 gas ballast	mbar (Torr)	20.0 (15.0)	20.0 (15.0)
with 2 gas ballasts	mbar (Torr)	40.0 (30.0)	40.0 (30.0)
Water vapor capacity			
with 1 gas ballast	$kg \times h^{-1}$ (qt/hr)	12.5 (13.0)	12.5 (13.0)
with 2 gas ballasts	$kg \times h^{-1}$ (qt/hr)	25.0 (26.0)	25.0 (26.0)
Oil capacity, min. / max.	l (qt)	60 (63) / 70 (74)	60 (63) / 70 (74)
Noise level [3]	dB(A)	75	78
Admissible ambient temperature	°C (°F)	12 to 40 (54 to 104)	12 to 40 (54 to 104)
Motor power	kW (hp)	22 (30)	22 (30)
Nominal motor speed / Pump rated rotational speed	min^{-1} (rpm)	1460 (1460) / 700 (700)	1750 (1750) / 700 (700)
Type of protection	IP	54-F	54-F/TEFC [4]
Weight (with oil filling)	kg (lbs)	1370 (3021)	1370 (3021)
Dimensions (W x H x D)	mm	1660 x 1005 x 1050	1660 x 1005 x 1050
	(in.)	(65.35 x 39.57 x 41.34)	(65.35 x 39.57 x 41.34)
Connection			
Intake	DN	125 PN 10	ASA 150 - 6" [5]
Exhaust	DN	160 ISO-K	ASA 150 - 6" [5]
Option [6]	DN	125 PN 10	–

1) To DIN 28 400 and following numbers
2) With 2 gas ballasts
3) Operated at the ultimate pressure without gas ballast, free-field measurement at a distance of 1 m
4) CEI motor (Europe) 50/60 Hz has IP 54, NEMA motor (North and South America) has TEFC
5) For NEMA pumps
6) Please indicate when ordering a pump

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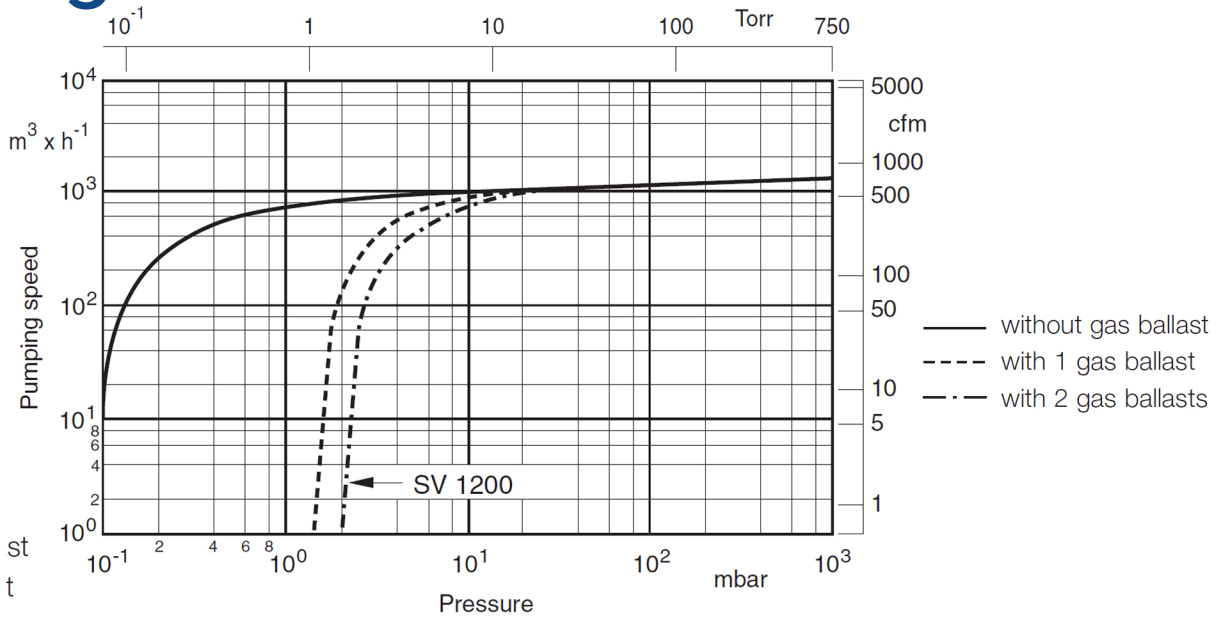
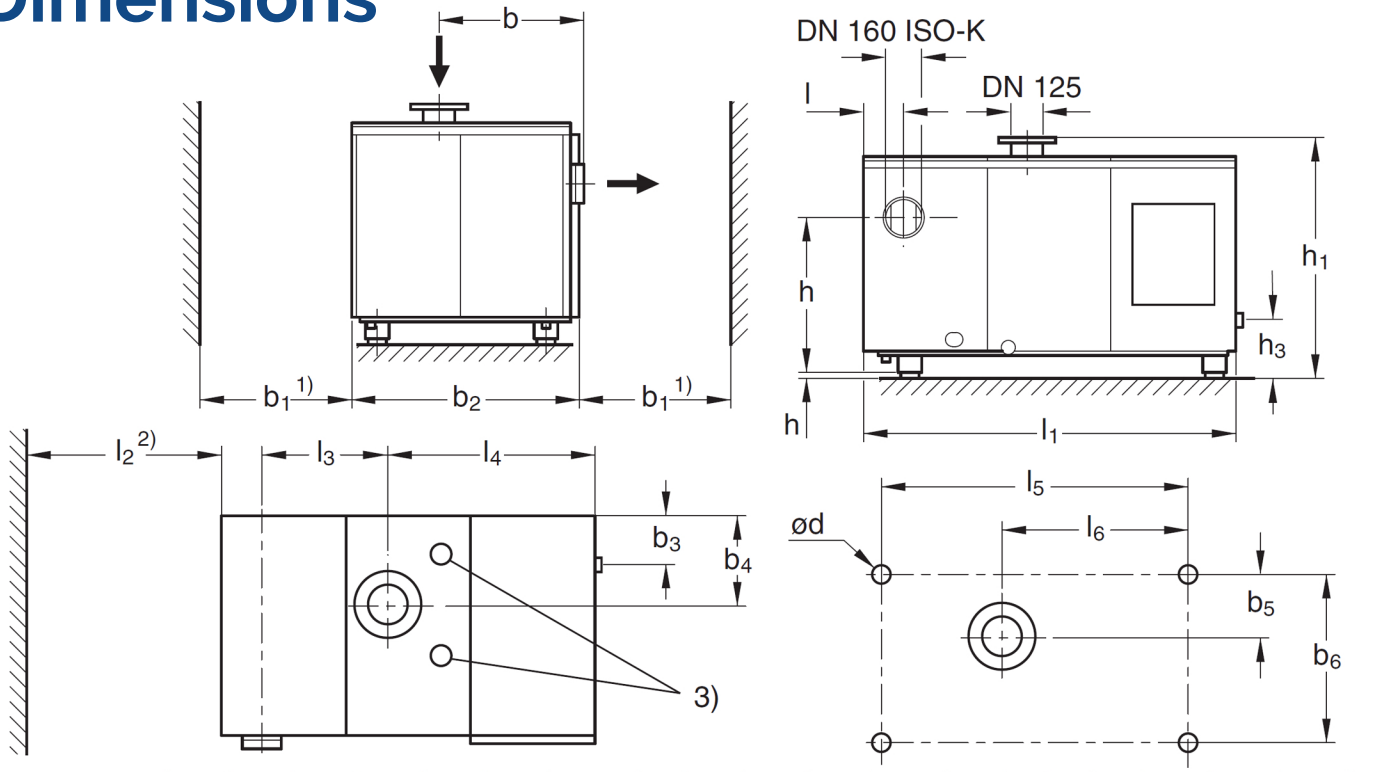
Pumping Curves



Dimensions



Type		b	b_1	b_2	b_3	b_4	b_5	b_6	ø d	h	h_1	h_2	h_3	l	l_1	l_2, min.	l_3	l_4	l_5	l_6
SV 1200	mm	615	1000	1015	180	385	268	740	15	675	1050	25	240	185	1640	500	540	915	1345	830
	in.	24.21	39.37	39.96	7.09	15.16	10.55	29.13	0.59	26.57	41.34	0.98	9.45	7.28	64.57	19.69	21.25	36.02	52.95	32.68

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Features & Benefits

- built-in exhaust filters
- gas ballast valve
- high water vapor tolerance
- anti-suckback valve
- automatic oil return system
- direct drive & belt driven motor
- low noise & vibration
- compact & easy to operate
- continuous operation from atmosphere to below 1 Torr
- easy maintenance & replacement of components

Applications

- vacuum coating • metallurgy • furnaces • space simulation • food industry • mechanical engineering • plant engineering • cleaning
- packaging