# Leybold SV-16, SV-25 **Technical Specifications**

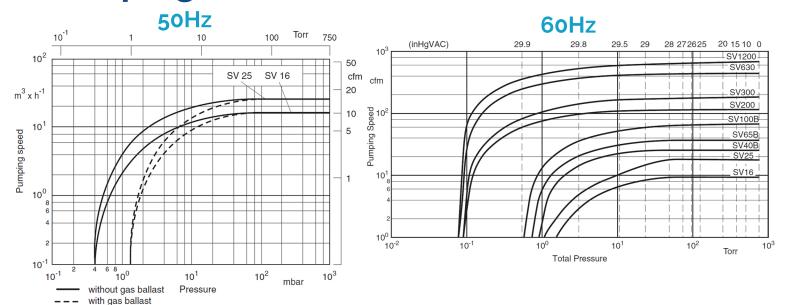
		SOGEVAC SV 16		SOGEVAC SV 25	
		50 Hz	60 Hz	50 Hz	60 Hz
Nominal speed 1)	m <sup>3</sup> x h <sup>-1</sup> (cfm)	16.0 (9.4)	19.0 (11.0)	25.0 (14.7)	29.0 (17.0)
Pumping speed 1)	m <sup>3</sup> x h <sup>-1</sup> (cfm)	14.5 (8.5)	17.0 (10.0)	22.5 (13.3)	25.5 (15.0)
Ultimate partial pressure without gas ballast 1)	mbar (Torr)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)	≤ 0.5 (≤ 0.4)
Ultimate total pressure with gas ballast 1)	mbar (Torr)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)	≤ 1.5 (≤ 1.1)
Water vapor tolerance 1)	mbar (Torr)	40 (30)	40 (30)	40 (30)	40 (30)
Water vapor capacity	kg x h <sup>-1</sup> (qt/hr)	0.3 (0.32)	0.3 (0.32)	0.45 (0.48)	0.45 (0.48)
Oil capacity	I (qt)	1.8 (2.0)	1.8 (2.0)	1.8 (2.0)	1.8 (2.0)
Noise level <sup>2)</sup>	dB(A)	59	59	59	59
Admissible ambient temperature $^{\circ}\text{C}$ (°F )		12 to 40 (54 to 104)			
Motor power	kW (hp)	0.55 (1.0)	0.75 (1.5)	0.75 (1.5)	0.9 (1.2)
Nominal speed	min <sup>-1</sup> (rpm)	1500 (1500)	1800 (1800)	1500 (1500)	1800 (1800)
Type of protection	IP	23	23	23	23
Weight (with oil filling)	kg (lbs)	23.0 (50.7)	23.0 (50.7)	24.0 (52.9)	24.0 (52.9)
Dimensions (L x W x H)	mm (in.)	422 x 263 x 236 (16.61 x 10.35 x 9.29)	422 x 263 x 236 (16.61 x 10.35 x 9.29)	422 x 263 x 236 (16.61 x 10.35 x 9.29)	422 x 263 x 236 (16.61 x 10.35 x 9.29)
Connections, Intake and Exhaust <sup>3)</sup> (Inside thread) G		1/2"	1/2"	1/2"	1/2"



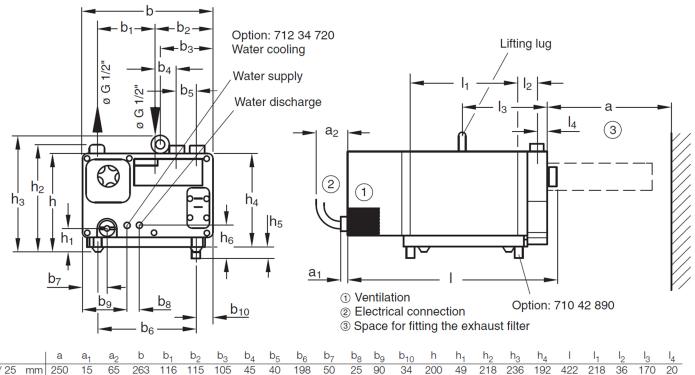
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# Leybold SV-16, SV-25

### **Pumping Curves**



#### **Dimensions**



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## Leybold SV-16, SV-25 **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 processing & packaging food preparation industry degassing
- thermal forming of plastics vacuum drying & impregnation leak testing · vacuum stirring & mixing