

Technical Data

Product: SOGEVAC SV 100 B - with standard gas ballast valve
 Part-No.: 960507

Inlet connection:	G 1 1/4" Inside thread	
Outlet connection:	G 1 1/4" Inside thread	
Nominal pumping speed at 50 Hz:	97.5 m ³ /h	57.4 cfm
Nominal pumping speed at 60 Hz:	117.0 m ³ /h	68.9 cfm
Pumping speed at 50 Hz:	87.5 m ³ /h	51.5 cfm
Pumping speed at 60 Hz:	105.0 m ³ /h	61.8 cfm
Ultimate partial pressure without gas ballast:	≤ 0.5 mbar	≤ 0.4 Torr
Ultimate total pressure without gas ballast:	≤ 0.5 mbar	≤ 0.4 Torr
Ultimate total pressure with standard gas ballast:	≤ 1.5 mbar	≤ 1.0 Torr
Ultimate total pressure with small gas ballast:	≤ 0.8 mbar	≤ 0.6 Torr
Water vapor tolerance at 50 Hz		
with standard gas ballast:	30.0 mbar	22.5 Torr
with small gas ballast:	10.0 mbar	7.5 Torr
Water vapor tolerance at 60 Hz		
with standard gas ballast:	30.0 mbar	22.5 Torr
with small gas ballast:	10.0 mbar	7.5 Torr
Water vapor capacity at 50 Hz		
with standard gas ballast:	1.600 g/h	
with small gas ballast:	450 g/h	
Water vapor capacity at 60 Hz		
with standard gas ballast:	1.700 g/h	
with small gas ballast:	600 g/h	
Operating fluid:	LVO 130	
Operating fluid capacity:	2.0 l	2.10 qt
Noise level to DIN 45 635		
without gas ballast:	61 - 64 dB(A)	
Mains connection:	3-ph, 230/400 V, 50 Hz 3-ph, 460 V, 60 Hz	
Motor rating at 50 Hz:	2.2 kW	3.0 HP
Motor rating at 60 Hz:	3.5 kW	4.7 HP
Rotation speed at 50 Hz:	1.500 min ⁻¹	1.500 rpm
Rotation speed at 60 Hz:	1.800 min ⁻¹	1.800 rpm
Motor protection rating:	IP 55-F	
Admissible ambient temperature:	+12 to +40°C	+54 to +104°F
Dimensions:	see dimension sheet	
Weight:	≈ 75.0 kg	≈ 165.3 lbs

Technical data are subject to change