

Technical Data

Product: SOGEVAC SV 300 B - with standard gas ballast valve
 Part-No.: 960702

Inlet connection:	G 2" Inside thread	
Outlet connection:	G 2" Inside thread	
Nominal pumping speed at 50 Hz:	280 m ³ /h	165 cfm
Nominal pumping speed at 60 Hz:	340 m ³ /h	200 cfm
Pumping speed at 50 Hz:	240 m ³ /h	141 cfm
Pumping speed at 60 Hz:	290 m ³ /h	171 cfm
Ultimate partial pressure without gas ballast:	$\leq 8.0 \times 10^{-2}$ mbar	$\leq 6.0 \times 10^{-2}$ Torr
Ultimate total pressure without gas ballast:	$\leq 8.0 \times 10^{-2}$ mbar	$\leq 6.0 \times 10^{-2}$ Torr
Ultimate total pressure		
with small gas ballast valve:	≤ 0.5 mbar	≤ 0.4 Torr
with standard gas ballast valve:	≤ 0.7 mbar	≤ 0.5 Torr
with big gas ballast valve:	≤ 2.0 mbar	≤ 1.5 Torr
with 2 big gas ballast valves:	≤ 3.0 mbar	≤ 2.3 Torr
Water vapor tolerance at 50 Hz		
with small gas ballast valve:	4.0 mbar	3.0 Torr
with standard gas ballast valve:	40.0 mbar	30.0 Torr
with big gas ballast valve:	70.0 mbar	52.5 Torr
with 2 big gas ballast valves:	95.0 mbar	71.3 Torr
Water vapor tolerance at 60 Hz		
with small gas ballast valve:	5.0 mbar	3.8 Torr
with standard gas ballast valve:	50.0 mbar	38.0 Torr
with big gas ballast valve:	70.0 mbar	52.5 Torr
with 2 big gas ballast valves:	95.0 mbar	71.3 Torr
Water vapor capacity at 50 Hz		
with small gas ballast valve:	0.4 kg/h	
with standard gas ballast valve:	6.0 kg/h	
with big gas ballast valve:	11.0 kg/h	
with 2 big gas ballast valves:	15.0 kg/h	
Water vapor capacity at 60 Hz		
with small gas ballast valve:	0.6 kg/h	
with standard gas ballast valve:	8.0 kg/h	
with big gas ballast valve:	14.0 kg/h	
with 2 big gas ballast valves:	17.0 kg/h	

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Operating fluid:	LVO 130	
Operating fluid capacity		
min.:	8.5 l	9.0 qt
max.:	11.5 l	12.2 qt
Noise level to DIN 45 635		
without gas ballast:	70 - 74 dB(A)	
Mains connection:	3-ph, 230/400 V, ±10%, 50 Hz 3-ph, 460 V, ±10%, 60 Hz	
Motor rating at 50 Hz:	5.5 kW	7.5 HP
Motor rating at 60 Hz:	6.6 kW	8.9 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 / TEFC	
Admissible ambient temperature:	+12 to +40°C	+54 to +104°F
Dimensions:	see dimension sheet	
Weight:	≈ 223 kg	≈ 492 lbs

Technical data are subject to change