

Technical Data

Product: SOGEVAC SV 40 BI - with small gas ballast valve
Part-No.: 960331

Inlet connection:	DN 40 ISO-KF	
Outlet connection:	DN 40 ISO-KF	
Nominal pumping speed at 50 Hz:	42.0 m ³ /h	24.8 cfm
Nominal pumping speed at 60 Hz:	50.0 m ³ /h	29.5 cfm
Pumping speed at 50 Hz:	40.0 m ³ /h	23.6 cfm
Pumping speed at 60 Hz:	48.0 m ³ /h	28.3 cfm
Ultimate partial pressure without gas ballast:	$\leq 5.0 \times 10^{-2}$ mbar	$\leq 3.75 \times 10^{-2}$ Torr
Ultimate total pressure without gas ballast:	$\leq 5.0 \times 10^{-2}$ mbar	$\leq 3.75 \times 10^{-2}$ Torr
Ultimate total pressure with gas ballast:	$\leq 5.0 \times 10^{-1}$ mbar	$\leq 3.75 \times 10^{-1}$ Torr
Water vapor tolerance at 50 Hz:	10.0 mbar	7.5 Torr
Water vapor tolerance at 60 Hz:	10.0 mbar	7.5 Torr
Water vapor capacity at 50 Hz:	280 g/h	
Water vapor capacity at 60 Hz:	340 g/h	
Operating fluid:	LVO 120	
Operating fluid capacity:	1.0 l	1.1 qt
Noise level to DIN 45 635		
without gas ballast:	59 - 62 dB(A)	
with gas ballast:	- - -	
Mains connection:	3-ph, 230/400 V, 50 Hz 3-ph, 460 V, 60 Hz	
Motor rating at 50 Hz:	1.1 kW	1.5 HP
Motor rating at 60 Hz:	1.3 kW	1.8 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:	≈ 43.0 kg	≈ 94.8 lbs

Technical data are subject to change