

## Technical Data

Product: SCREWLINE SP 250 - ATEX - Cat. 3i  
 Part No.: 115003

Inlet connection:	ISO 1609-1986 (E)-63 (DN 63 ISO-K) ASME B 16.5 NPS 3 class 150 EN 1092-2-PN 6 - DN 65	
Outlet connection:	ISO 1609-1986 (E)-63 (DN 63 ISO-K)	
Pumping speed at 50 Hz:	270 m <sup>3</sup> /h	157 cfm
Pumping speed at 60 Hz:	330 m <sup>3</sup> /h	194 cfm
Ultimate total pressure without gas ballast		
at 50 Hz:	≤ 1.0 x 10 <sup>-2</sup> mbar	≤ 7.5 x 10 <sup>-3</sup> Torr
at 60 Hz:	≤ 5.0 x 10 <sup>-3</sup> mbar	≤ 3.8 x 10 <sup>-3</sup> Torr
Ultimate total pressure with gas ballast		
at 50 Hz:	≤ 2.0 x 10 <sup>-1</sup> mbar	≤ 1.5 x 10 <sup>-1</sup> Torr
at 60 Hz:	≤ 2.0 x 10 <sup>-2</sup> mbar	≤ 1.5 x 10 <sup>-2</sup> Torr
Water vapor tolerance at 50 Hz:	60.0 mbar	45.0 Torr
Water vapor tolerance at 60 Hz:	75.0 mbar	56.0 Torr
Water vapor capacity at 50 Hz:	10.0 kg/h	
Water vapor capacity at 60 Hz:	18.0 kg/h	
Operating fluid gear box:	LEYBONOL LVO 210	
Operating fluid capacity:	7.0 l	7.4 qt
Noise level to DIN 45 635 without gas ballast		
at 50 Hz:	67 db(A)	
at 60 Hz:	72 db(A)	
Mains connection:	3-ph, 200/400 V, 50 Hz 3-ph, 210/460 V, 60 Hz	
Motor rating at 50 Hz:	7.5 kW	10.0 HP
Motor rating at 60 Hz:	11.5 kW	15.6 HP
Rotation speed at 50 Hz:	2.910 min <sup>-1</sup>	2.910 rpm
Rotation speed at 60 Hz:	3.490 min <sup>-1</sup>	3.490 rpm
Motor protection rating:	IP 55	
Admissible ambient temperature:	+12 to +40°C	+54 to +104°F
Dimensions:	see dimension sheet	
Weight:	≈ 450 kg	≈ 992 lbs

Technical data are subject to change