

Technical Data

Product: SCREWLINE SP 630 - ATEX - Cat. 3i

Part No.: 117018

Inlet / Outlet connection:	EN 1092-2 - PN 6 - DN 100 EN 1092-2 - PN 16 - DN 100 ISO 1609-1986 (E)-100 (DN 100 ISO-K) ASME B 16.5 NPS4 class 150	
Pumping speed at 50 Hz:	630 m ³ /h	371 cfm
Pumping speed at 60 Hz:	630 m ³ /h	371 cfm
Ultimate total pressure without gas ballast		
at 50 Hz:	$\leq 1.0 \times 10^{-2}$ mbar	$\leq 7.5 \times 10^{-3}$ Torr
at 60 Hz:	$\leq 1.0 \times 10^{-2}$ mbar	$\leq 7.5 \times 10^{-3}$ Torr
Ultimate total pressure with gas ballast		
at 50 Hz:	$\leq 1.0 \times 10^{-1}$ mbar	$\leq 7.5 \times 10^{-2}$ Torr
at 60 Hz:	$\leq 1.0 \times 10^{-1}$ mbar	$\leq 7.5 \times 10^{-2}$ Torr
Water vapor tolerance at 50 Hz:	40.0 mbar	30.0 Torr
Water vapor tolerance at 60 Hz:	40.0 mbar	30.0 Torr
Water vapor capacity at 50 Hz:	14.0 kg/h	
Water vapor capacity at 60 Hz:	14.0 kg/h	
Operating fluid gear box:	LEYBONOL LVO 210	
Operating fluid capacity:	15.0 l	15.9 qt
Noise level to DIN 45 635 without gas ballast		
at 50 Hz:	73 db(A)	
at 60 Hz:	75 db(A)	
Mains connection:	3-ph, 210/460 V, 60 Hz	
Motor rating at 50 Hz:	15.0 kW	20.0 HP
Motor rating at 60 Hz:	15.0 kW	20.0 HP
Rotation speed at 50 Hz:	2.930 min ⁻¹	2.930 rpm
Rotation speed at 60 Hz:	3.530 min ⁻¹	3.530 rpm
Motor protection rating:	IP 55	
Admissible ambient temperature:	+12 to +40°C	+54 to +104°F
Dimensions:	see dimension sheet	
Weight:	≈ 530 kg	≈ 1.166 lbs

Technical data are subject to change