



OIL-SEALED ROTARY PISTON PUMPS

Atlas Copco

GLS 500



FEATURES AND BENEFITS

- Robust cast and ductile iron construction provides rugged reliable operation.
- Efficient design provides maximum uptime with minimal moving parts and large clearance.
- Low ultimate blank-off with pressures down to $< 10^{-2}$ Torr.
- New valve design virtually eliminates valve maintenance and noise.
- Space saving design which saves up to 50% of valuable floor space.
- Complete and self-contained unit delivered ready to install.
- Automatic lubrication system provides proper flow of oil to bearings and sealing surfaces and prevents back flow into system.
- Controlled balancing reduces vibration to a practical minimum.
- Gas ballast as standard.
- Total capability includes the manufacturing and service capabilities to keep your equipment in top operation with a broad range of vacuum system accessories.

TECHNICAL SPECIFICATIONS GLS 500

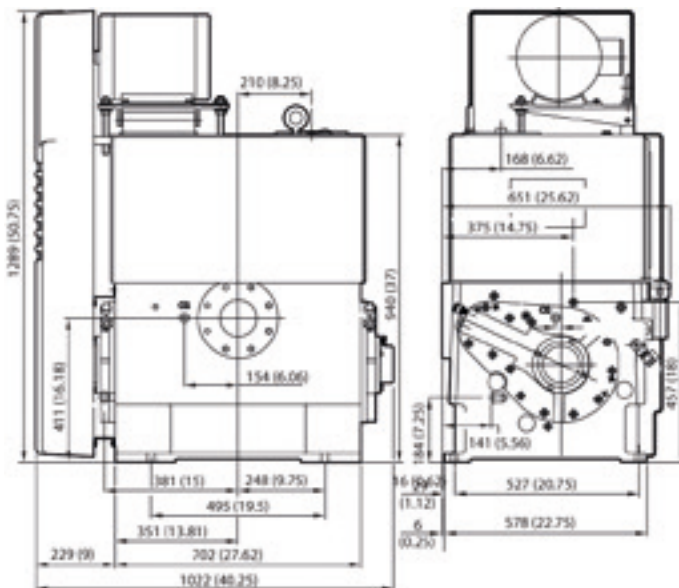
	50 Hz	60 Hz
Displacement	510 m ³ h ⁻¹ / 300 ft ³ min ⁻¹	
Pumping speed	442 m ³ h ⁻¹ / 260 ft ³ min ⁻¹	
Ultimate vacuum (total pressure) without gas ballast	$< 3.3 \times 10^{-2}$ mbar / $< 2.5 \times 10^{-2}$ Torr	
Ultimate vacuum (total pressure) with gas ballast	$< 2.6 \times 10^{-1}$ mbar / $< 2 \times 10^{-1}$ Torr	
Motor size	11 kW IEC (CE variant)	10 hp TEFC
Motor speed	1500/1800 rpm	
Inlet connection	4 inch ASA/ANSI flange	
Outlet connection	3 inch ASA/ANSI flange or 3 inch NPT	
Water inlet/outlet connection	½ inch NPT	
Recommended cooling flow @ 85°C/30°F	76 lmin ⁻¹ / 1.5 galmin ⁻¹	
Water vapor pumping rate	10.45 kg h ⁻¹ / 23 lb h ⁻¹	
Oil capacity	46 litre / 12 gal	
Noise level	< 83 dB(A)	
Weight	794 kg / 1750 lbs	



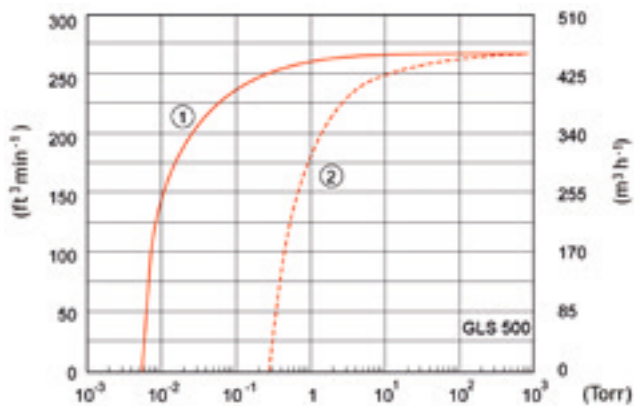
APPLICATIONS

- Automotive
- Chemical processing
- General applications
- Heat treatment
- Leak detection
- Metallurgy
- PET processing
- Pharmaceuticals
- Transformer drying and cable fluid conditioning
- Vacuum coating
- Vacuum melting

DIMENSIONS



PERFORMANCE CURVES



1: Without gas ballast.
2: With gas ballast open.

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ISO 9001 • ISO 14001
OHSAS 18001



www.atlascopco.com/vacuum