



# OIL-SEALED ROTARY PISTON PUMPS

Atlas Copco

GLS 250



## FEATURES AND BENEFITS

- Robust cast and ductile iron construction provides proven rugged reliable operation.
- Low 500 rpm operation for longest pump life cycle.
- Efficient design provides maximum uptime with minimal moving parts, low rotational speed and large clearance.
- Low ultimate blank-off with pressures down to  $< 2.5 \times 10^{-2}$  Torr.
- New valve deck 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 250

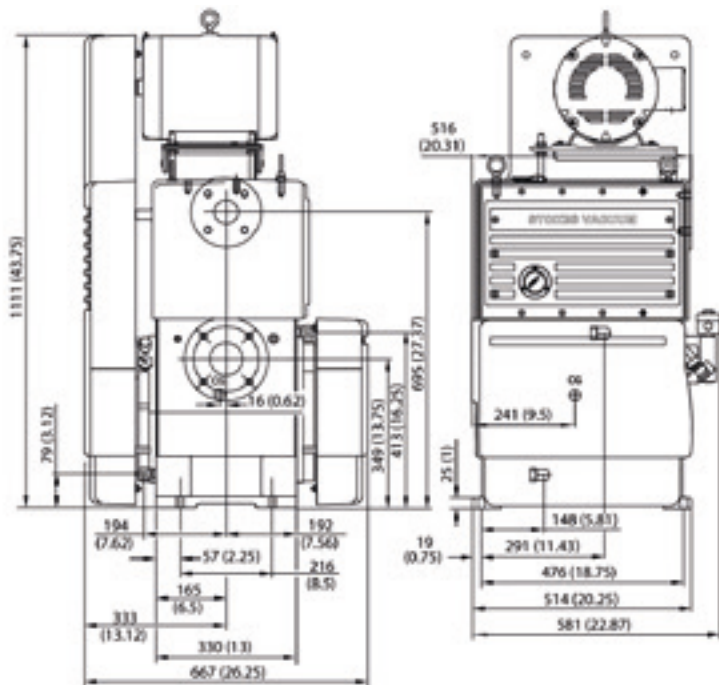
	50 Hz	60 Hz
Displacement	255 m <sup>3</sup> h <sup>-1</sup> / 150 ft <sup>3</sup> min <sup>-1</sup>	
Pumping speed	234 m <sup>3</sup> h <sup>-1</sup> / 138 ft <sup>3</sup> min <sup>-1</sup>	
Ultimate vacuum (total pressure) without gas ballast	$< 3.3 \times 10^{-2}$ mbar / $< 2.5 \times 10^{-2}$ Torr	
Ultimate vacuum (total pressure) with gas ballast	$< 2.6 \times 10^{-2}$ mbar / $< 2 \times 10^{-2}$ Torr	
Motor size	5.5 kW IEC (CE variant)	7.5 hp TEFC
Motor speed	1500/1800 rpm	
Inlet connection	3 inch ASA/ANSI flange	
Outlet connection	2 inch ASA/ANSI flange or 2 inch NPT	
Water inlet/outlet connection	½ inch NPT	
Recommended cooling flow @ 85°C/30°F	5.7 lmin <sup>-1</sup> / 1.5 galmin <sup>-1</sup>	
Water vapor pumping rate	5 kg h <sup>-1</sup> / 11 lb h <sup>-1</sup>	
Oil capacity	15 litre / 4 gal	
Noise level	$< 77$ dB(A)	
Weight	431 kg / 950 lbs	



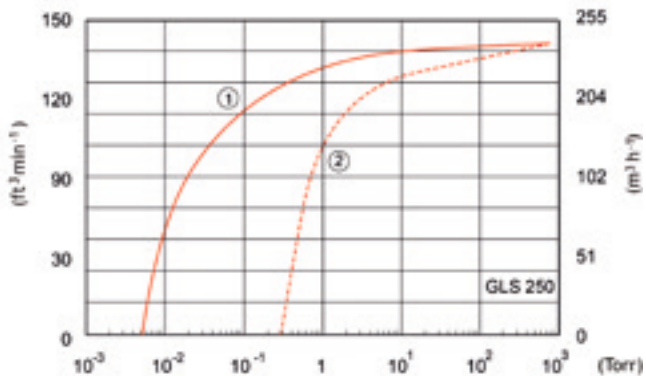
## APPLICATIONS

- 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.

**Atlas Copco**



ISO 9001 • ISO 14001  
OHSAS 18001



[www.atlascopco.com/vacuum](http://www.atlascopco.com/vacuum)