



**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<sup>-2</sup>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 m³h⁻¹ /	510 m³h¹ / 300 ft³min¹	
Pumping speed	442 m³h¹¹ ,	442 m³h¹ / 260 ft³min⁻¹	
Ultimate vacuum (total pressure) without gas ballast	<3.3 x 10 <sup>-2</sup> mba	<3.3 x 10 <sup>2</sup> mbar / <2.5 x 10 <sup>2</sup> Torr	
Ultimate vacuum (total pressure) with gas ballast	<2.6 x 10 <sup>-1</sup> mb	<2.6 x 10 <sup>-1</sup> mbar / <2 x 10 <sup>-1</sup> Torr	
Motor size	11 kW IEC (CE variant)	10 hp TEFC	
Motor speed	1500/1	1500/1800 rpm	
Inlet connection	4 inch ASA	4 inch ASA/ANSI flange	
Outlet connection	3 inch ASA/ANSI f	3 inch ASA/ANSI flange or 3 inch NPT	
Water inlet/outlet connection	1/2 inc	1/2 inch NPT	
Recommended cooling flow @ 85°C/30°F	7.6 lmin <sup>-1</sup> /	7.6 lmin <sup>-1</sup> / 1.5 galmin <sup>-1</sup>	
Water vapor pumping rate	10.45 kg h	10.45 kg h <sup>-1</sup> / 23 lb h <sup>-1</sup>	
Oil capacity	46 litre	46 litre / 12 gal	
Noise level	<83	<83 dB(A)	
Weight	794 kg	794 kg / 1750 lbs	

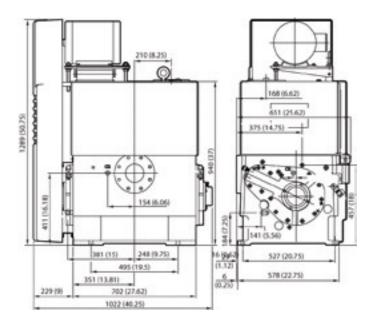


# **APPLICATIONS**

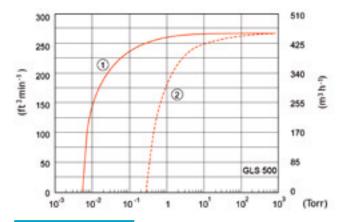
- Automotive
- Chemical processing
- General applications
- Heat treatment
- Leak detection
- Metallurgy

- 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.





