With over 10,000 units sold in 80 years, the Atlas Copco GLS rotary piston pump sets the standard for performance and reliability as the industry's most efficient, space-saving design. As part of the Atlas Copco group, Stokes Vacuum continues to innovate oil-lubricated rotary piston pumps. The GLS has been improved, upgraded and fine-tuned. It delivers even better dependability and productivity combined with minimal maintenance and process downtime, especially crucial in demanding applications such as the automotive or aerospace industry and their supply chains.

**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.

**APPLICATIONS**

- Automotive
- Chemical processing
- General applications
- Heat treatment
- Leak detection
- Metallurgy
- PET processing
- Pharmaceuticals
- Transformer drying and cable fluid conditioning
- Vacuum coating
- Vacuum melting
Low lifecycle cost
Thanks to the slow rotational speed, reliability is optimum and lifecycle cost is low.

State-of-the-art control
Lubrication of the internal components of the pumps is completely automatic. This pump is fitted with a 230/460 V coil for control of the oil solenoid valve which prevents the pump from flooding with oil in the case of power failure or a loss of vacuum.

Reduced maintenance
All GLS pumps are fitted with a water mizer to minimize the water consumption and optimize the running temperature. This brings extra reliability, extended times between maintenance and a very low lifecycle cost.

Reliable system protection
To allow pumping of high vapor loads, an integral gas ballast is fitted. This is used to prevent condensation of the vapor carried by the pump gases.

TECHNICAL SPECIFICATIONS
GLS SERIES AND COMBINATIONS (50/60 Hz)

<table>
<thead>
<tr>
<th>Pump type</th>
<th>Pumping speed</th>
<th>Ultimate pressure</th>
<th>Motor power</th>
<th>Overall dimensions</th>
<th>Noise level</th>
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<tbody>
<tr>
<td></td>
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<td>Gas ballast closed</td>
<td>50 Hz</td>
<td>60 Hz</td>
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<tr>
<td></td>
<td>m³/h</td>
<td>Torr</td>
<td>kW</td>
<td>D</td>
<td>W</td>
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* Pneurop 6602