

Next Generation of 6" and 8" Submersible Pumps

up to **85%**

Pleuger quality and reliability with increased efficiency

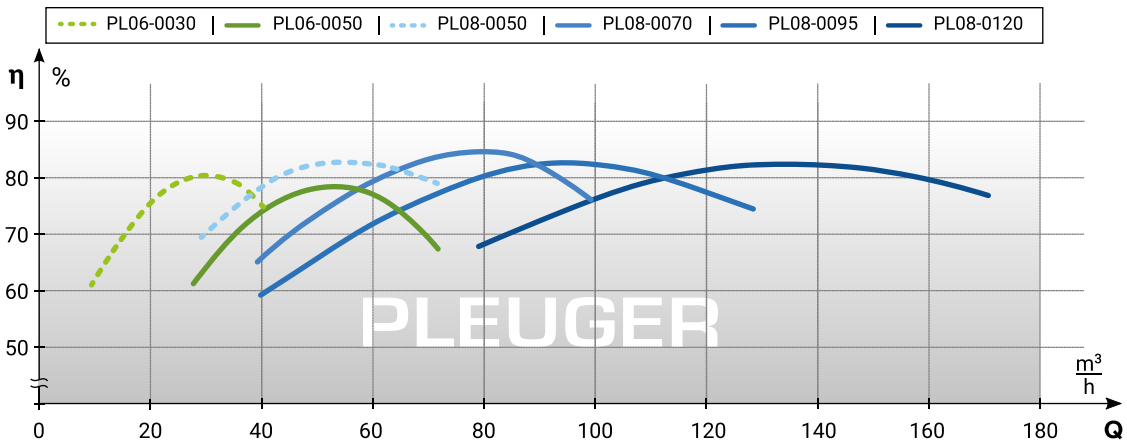
Pleuger submersible motors and pumps are recognized worldwide for superior quality and reliability. Pleuger Industries' new range of submersible pumps - 6" (PL06) and 8" (PL08) - feature next generation hydraulics for even greater efficiency - synonymous with the Pleuger name since 1929.

Benefit from the advantages of the Pleuger PL product lines in the 6" and 8" range.

Significant savings in energy consumption costs

- **high-performance pumps** with increased efficiency of up to 85% (average $\eta_{opt} > 83\%$)
- **Stable and flat efficiency curve** between 20m³/h and 150m³/h, exhibiting high efficiency for a wide range of operation

PL06 and PL08 characteristics curves
*Stainless Steel



PMM Upgrade

Reduce the pump running cost significantly throughout the life of the pump with the Pleuger Permanent Magnet Motor upgrade. This upgrade increases motor efficiency up to 94%.

- ▶ **Customer benefit: substantial reduction in life-cycle costs of the pump unit, as the energy costs amount to 90% of the total cost of ownership**

Pleuger Quality

Manufactured in Germany and built for efficiency and reliability, the robust and durable Pleuger design of the new PL06 and PL08 pumps meet the highest industrial standards. Used to optimize performance and energy efficiency in a wide range of applications, the pumps are available in three different material types depending on customer requirements.

Maximum Reduction of Life-Cycle Costs with a Complete Pump Installation

Designed for reliability - longer lifetime

- Pump bowls made of highly durable grey cast iron or stainless steel investment casting (not sheet metal)
- Pump impellers made of highly durable, wear-resistant injection-molded resin or stainless steel investment casting (not sheet metal)
- Durable and wear-resistant radial bearings made of a proprietary synthetic material
- Stainless-steel 316 quality or higher (Cr-Ni-Mo-steel), no 304 quality

Reduction of service costs - easy to install and maintain

- Pump bowls with flange bolting (instead of screwed housing)
- Only positive connections (feather key) of impeller and pump shaft, no friction connections like clamp sleeves

Simplified product line - easier inventory and maintenance

- The new PL06 and PL08 pumps are replacing the previous 5 models of the 6" range (PN6 and QN6) and the 7 models in the 8" range (PN8, QN8 and QT-pumps)
- Reduction to three material types

Material designs

- ▶ Grey cast iron (+ plastic injection-molded impeller)
- ▶ Stainless steel A4
- ▶ Super Duplex



Market introduction*

6" Pumps

- PL06-0050, Q opt. = 50m³/h - grey cast iron, NiAlBz and Super Duplex available
- PL06-0050, Q opt. = 50m³/h, stainless steel..... 2021
- PL06-0030, Q opt. = 30m³/h 2021

8" Pumps

- PL08-0120, Q opt. = 120m³/h available from 07/2020
- PL08-0095, Q opt. = 95m³/h available from 07/2020
- PL08-0070, Q opt. = 70m³/h available from 12/2020
- PL08-0050, Q opt. = 50m³/h 2021

* subject to change