765-55000 Series Pump:

The Ultimate High-Performance Solution for Small Casing Sizes in Geothermal, Water Wells, and Mining Applications

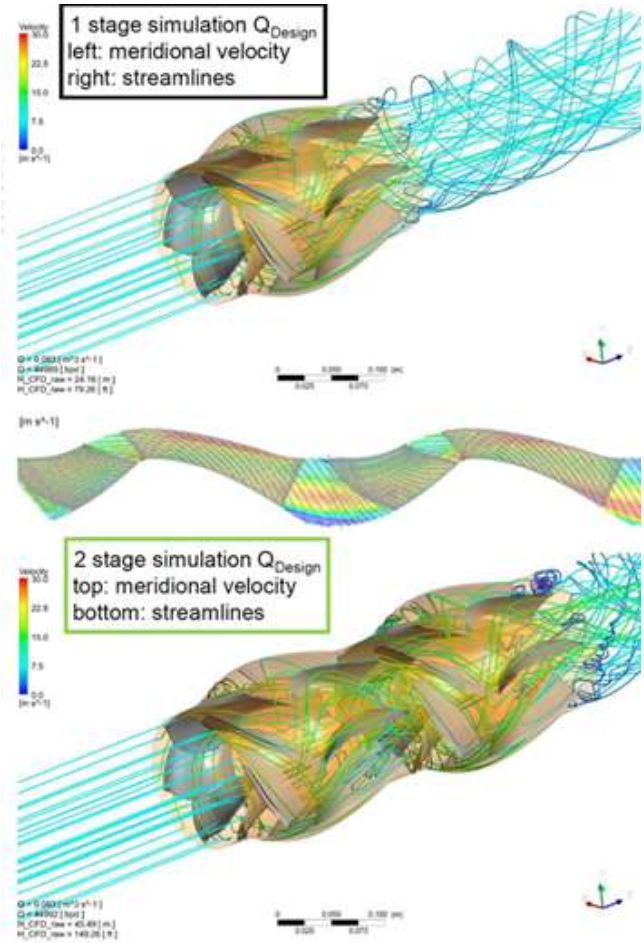
Introduction

The 765-55000 Series Pump is an innovative solution specifically designed for the Netherlands market initially, where the majority of wells are completed with small casing sizes such as 9-5/8" or 10-3/4". This pump is engineered to maximize production while fitting into these constrained well environments, offering unparalleled performance and efficiency compared to existing market alternatives.

Key Features and Benefits

Broad Flow Range for Seasonal Flexibility

The 765-55000 Series Pump is capable of operating over an extensive range of flow rates, making it ideal for varying seasonal demands. It can efficiently handle high flow rates in winter when heat demand peaks and can also operate at significantly lower rates during summer when demand decreases.



Exceptional Head Capability

This pump delivers an exceptional head of over 1000 meters, making it one of the most powerful solutions available for deep-well applications.

Industry-Leading Efficiency

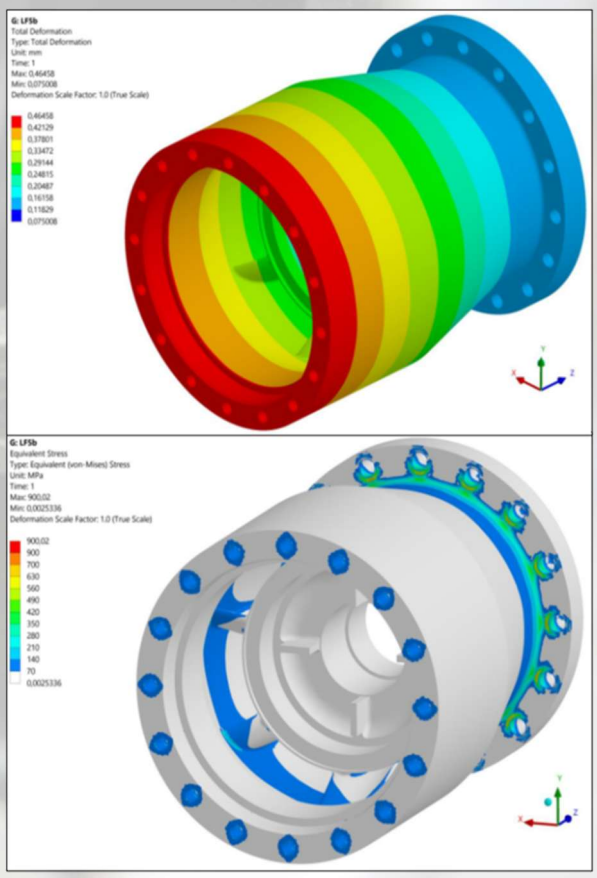
Designed to be the most efficient pump in its category, the 765-55000 significantly reduces operational expenses (OPEX) compared to competing products in the market. High efficiency translates into lower power consumption and improved overall system performance.

Key Applications

- Engineered for long-lasting and high-performance in challenging environments such as geothermal heating systems, water wells, and mining operations
- Production in wells with small casing sizes
- High-efficiency water and energy extraction projects requiring superior performance and durability

Premium Material Construction

- **Stainless Steel 17-4PH:** This high-grade material ensures superior durability and corrosion resistance, making it ideal for installations in high-corrosion environments.
- **Tungsten Carbide Spiral Groove Bushing:** Specifically designed to withstand abrasive well conditions, providing extended operational life and reliability.
- **Compact Design for Small Casing Installations:** The 765-55000 Series Pump features a compact diameter, allowing seamless installation in small casing wells while still delivering maximum output.

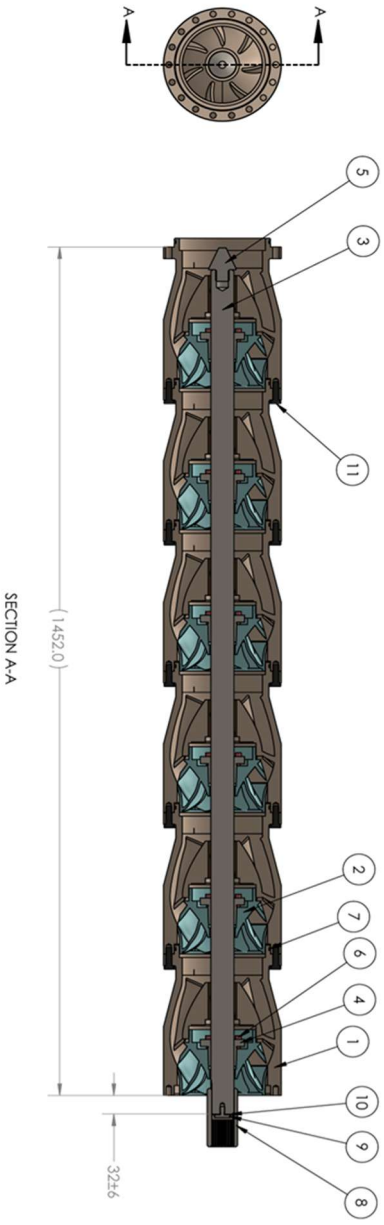


Technical Overview

With deep industry expertise and a track record of innovation in artificial lift solutions, we are pleased to introduce this high-performance pump.

Engineered for maximum efficiency, it delivers a best efficiency point of 55,000 BPD with over 79.6% efficiency. Designed to handle a wide range of flow rates, it adapts seamlessly to seasonal variations.

Optimized for 9-5/8" and 10-3/4" wells, this pump maximizes production while its high-grade materials ensure exceptional durability and corrosion resistance, making it ideal for harsh environments.



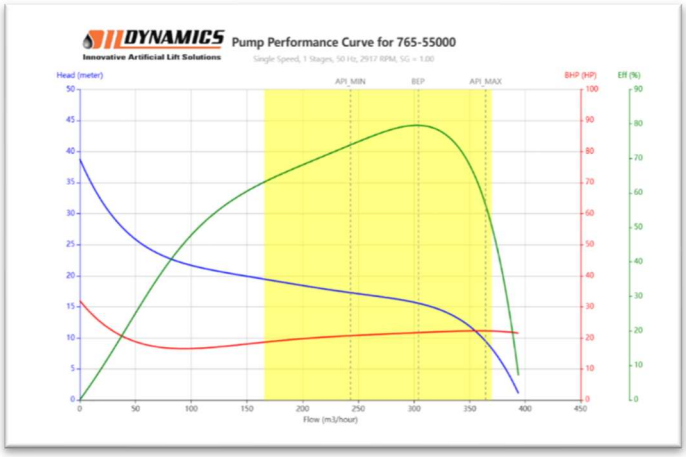
Technical Specifications - 765-Series Pump

Parameters	*Value*
Operating Range	*15,000-67,000 BPD (27 -123 L/s)*
Best Efficiency Point	*55,000 BPD (101 L/s)*
Pump Diameter	*7.65''*
Minimum Casing Size	*9-5/8''*
Shaft Diameter	*1.5'' (38.1 mm)*
High Strength Shaft BHP	*1,650HP at 60Hz / 1,375HP at 50Hz*
Rotation	*Clockwise*
Standard Burst Pressure	*1,515 psi (105 bar)*
Pump/Stage Construction	*Compression / Mixed*
Material of Construction	*Stainless Steel 17-4PH*

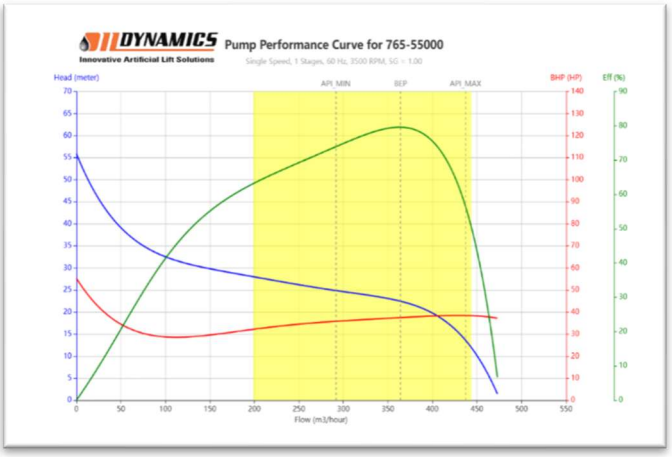


Standard Pump Performance and Tornado Curves

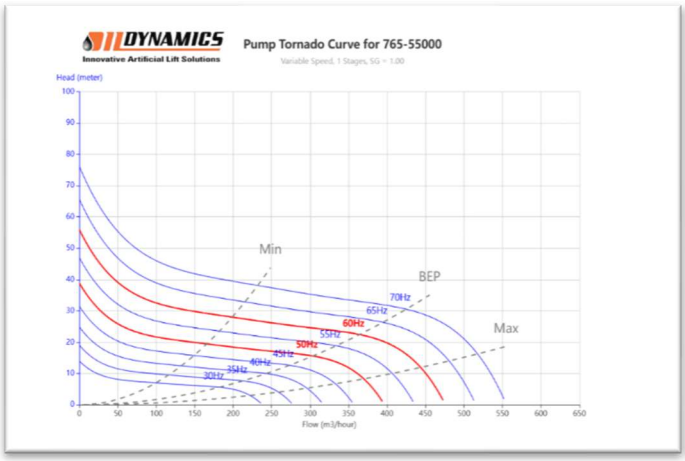
Pump Performance Curve at 50Hz



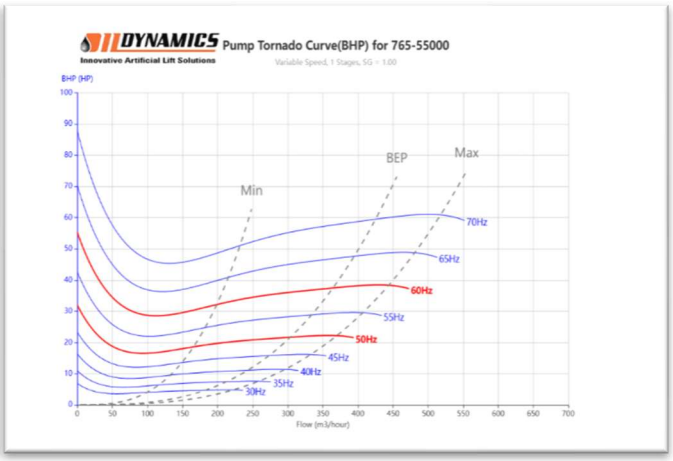
Pump Performance Curve at 60Hz



Pump Tornado Curve - Head



Pump Tornado Curve - Power



Conclusion

The 765-55000 Series Pump is a groundbreaking product that sets a new benchmark in the industry. Its ability to handle extreme conditions, broad flow range, and best-in-class efficiency make it the ultimate solution for operators seeking to boost production and optimize well performance while minimizing costs.

For more details, technical specifications, and availability, contact our sales team today: sales@oildynamics.de

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