

# Submersible Centrifugal Pump for Fluid Transfer

This submersible centrifugal pump is designed for mechanical oil production. It consists of a multistage centrifugal impeller, guide shell, pump shaft, pump shell, and upper and lower joints.



## Product Overview

### Submersible Centrifugal Pump Systems

These multistage centrifugal pumps are designed for efficient mechanical oil production and fluid transfer in diverse well conditions. The system features a modular design with series-connected pump sections to achieve high lift requirements. Available in multiple series configurations, these pumps are engineered to accommodate various well casing sizes and flow rates while maintaining reliability.

## Performance Specifications

### Key Performance Indicators

**3000 m**

Maximum Lift (50Hz)

**9840 Ft**

Maximum Lift (60Hz)

### Series Configuration Overview

Series	Min Casing Size	50Hz Range	60Hz Range
86 Series	4 1/2"	24-350 m3/d	181-2642 BPD
101 Series	5 1/2"	30-700 m3/d	226-5283 BPD
130 Series	7"	145-1715 m3/d	1094-12900 BPD
172 Series	8 5/8"	1620-5650 m3/d	12226-42641 BPD

## Application Features

### Technical Enhancements

- Wide flow channel impellers for thicker fluids
- Advanced sand handling structure for radial and axial efficiency
- Anti-scale channel surface coating
- High-temperature resistant sealing systems
- Low-friction, high-heat resistant thrust washers

### Application Compatibility

Heavy Oil Extraction, Sand-containing Wells, Corrosive Environments, Scaling Well Conditions, High Temperature Wells