

Tubular Axial Flow Pump

This axial flow pump features a tubular design. It is equipped with radial and double-direction thrust bearings in the motor rotator's sealing bearing cavity, along with floating or mechanical dynamic rotary bearing cavity seals.



Overview

Tubular Axial Flow Pump

The tubular axial flow pump is engineered for high-capacity water transfer, offering superior performance in drainage and irrigation systems. It features a robust tubular configuration that allows for seamless pipeline integration while minimizing head loss. Designed with advanced sealing technology, including floating or mechanical seals, the unit ensures long-term operational reliability in demanding environments.

Performance Metrics

Key Operational Specifications

5 m³/s

Max Flow Rate

10 m

Max Head

500 kW

Max Power

Technical Specifications

Dimensional and Electrical Data

Parameter	Range
Outlet Diameter	350-1400 mm
Voltage	380-660 V

Environmental Requirements

Operating Environment

- Max Water Temperature: 50°C
- PH Value Range: 4-10
- Water Quality: Mild sewage water
- Allowed article diameter: d 1/10 of outlet diameter

Construction

Sealing and Bearing Systems

Radial bearing, Double-direction thrust bearing, Floating seals, Mechanical seals