

# 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 m<sup>3</sup>/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