

# Adjustable Blade Axial-Flow Turbine

These reaction turbines feature an axial-flow design. Adjustable blades optimize efficiency across a wide range of flow conditions.



## Overview

### Adjustable Blade Axial-Flow Turbine

The adjustable blade axial-flow turbine is a high-performance reaction turbine designed for optimal efficiency across varying flow conditions. Featuring a runner with multiple adjustable blades, this turbine is engineered for low-head applications with high flow rates. It incorporates a spiral casing and guide vanes to precisely control water flow, making it an ideal solution for hydroelectric power generation.

## Performance Metrics

### Rated Power

**220 MW**

Max Power Output

### Maximum Head

55 m

## Technical Specifications

### Runner Diameter (D1)

11 m

## Design Features

### Turbine Type

Kaplan • Reaction • Axial-Flow

### Key Components

- Multi-blade runner
- Spiral casing
- Adjustable guide vanes
- Draft tube