

Hydroelectric Francis Turbine Generator

This Francis turbine generator unit is engineered for hydroelectric power generation. It efficiently converts energy from water flow into electricity, making it suitable for medium head applications in hydroelectric power plants.



Overview

Francis Turbine Generator Overview

The Francis Type Turbine-Generator is engineered for efficient energy conversion in hydroelectric power plants, specifically optimized for middle to high water head and medium-sized flow conditions. Its robust and simple structure ensures reliable operation across a wide range of water heads, making it a versatile choice for various hydroelectric applications. The system supports both vertical and horizontal shaft arrangements to accommodate diverse site requirements.

Technical Specifications

Runner Diameter	0.42 m
Max Runner Diameter	5 m
Suitable Water Head	8 - 300m
Suitable Flow Rate	0.20 - 20.0m ³ /s

Performance Metrics

Generator Capacity

50 kW

Min Capacity

50000 kW

Max Capacity

Design Features

Suitable Applications

Medium Head • High Head • Medium Flow

Shaft Arrangements

Vertical Shaft, Horizontal Shaft