

Francis Turbine Generator Set

The Francis hydroelectric power generating sets are suitable for hydro power plants of low and medium heads. The unit consists of a turbine coupled to a generator, and a draft tube.



Overview

Francis Hydroelectric Power Generating Sets

Francis hydroelectric power generating sets are engineered for optimal performance in low and medium head hydroelectric power plants. These robust systems convert the mechanical energy of flowing water into reliable electrical power through a sophisticated integration of a spiral casing, turbine runner, and generator. With a proven track record of large-scale deployments, these units are designed to maximize kinetic energy recovery and overall operational efficiency.

Technical Capabilities

Maximum Unit Capacity

90 MW

Max Capacity

Application Range

Low Head, Medium Head, Hydroelectric Power Plants

System Components

Core Components

- Spiral Casing
- Turbine Runner
- Generator
- Draft Tube

Draft Tube Function

Diverging duct that recovers kinetic energy from water leaving the turbine runner to increase overall efficiency.

Project References

Reference Projects

Project Name	Capacity
Nongling HPP	90 MW
Wuyiqiao HPP	44 MW
Luosheng HPP	40 MW
Lazhai HPP	40 MW
Tuanpo HPP	32 MW
Xucun HPP	26 MW
Luosiwan HPP	20 MW
Boluo HPP	20 MW