

High-Back-Pressure Boiler-Feedwater-Pump Drive

Representative steam turbine reference

Project Reference

The steam turbine provides mechanical power through the rotor and also supports electrical generation in the recorded dual-drive arrangement for the boiler feedwater pump.



Recorded Technical Information

Item	Recorded information
Application	High-back-pressure boiler-feedwater-pump drive
Working medium	Steam
Recorded inlet temperature	535 °C
Recorded inlet pressure	9.4 MPa(a)
Recorded steam flow	27 t/h
Recorded annual operating hours	8,000 h/year
Turbine model	SST1.1-9.4/5.1
Design power	1,011 kW
Bearing arrangement	Oil-lubricated bearing
Cooling arrangement	Water cooling

Item	Recorded information
Control arrangement	PLC control
Recorded operating status	In operation
Supply scope recorded	Steam turbine, DEH, coupling, lubrication-oil system, steam-water piping, motor, auxiliary equipment, local instrument cabinet, steam-seal cooler, desuperheater, instruments, tools and spare parts.

Reference note: This customer-facing reference summarizes selected facts available in the project record. It is provided for preliminary technical discussion. Final equipment selection, performance, interfaces, supply boundaries and project-specific compliance requirements remain subject to confirmation against the actual operating conditions.