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Product Name :
Steam Power Plant With Process Control System

Product Code :
LBNY-0005-125000123



Description :

Laboratory-sized steam power plant
Synchronous generator with ppu synchronising device for grid connected or stand alone operation
Gas/oil-fired once-through steam boiler with electrical superheater
Single-stage industrial steam turbine with curtis wheel
Electronic speed control with electro-pneumatic control valve
Modern digital system control via a process control system
Control station with complete instrumentation on modern LCD monitors, touch screen operation
Water-cooled condenser with cooling water circuit and wet cooling tower
Feedwater treatment with ion exchanger and chemical dosing.

Technical Specification :

Steam Boiler
Single-stage action turbine with Curtis wheel and electronic speed control
Max. Steam output: 600kg/h at 13bar
Max. fuel consumption: 36,8kg/h
Max. power output: 20kW at 3600min-1.
Max. Heat output: 393kw
Super heater, capacity: 32kW, 250°C
Synchronous Generator
Water-cooled condenser
Max. Output: 17kVA with 400V, 60Hz
Cooling capacity: 389kw

Cooling tower, max. cooling capacity: 540kW
Transfer surface: 5,5m².



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