

ET 810 Steam power plant with steam engine

Order code: **5201.06181000**



Information about product price on demand

Parameters

Quantitative unit

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GUNT ET 810

Demonstrates the operation of a steam power plant with a single-cylinder piston steam engine.

The system includes a gas-fired boiler for steam generation, a water-cooled condenser, and a DC generator powering light bulbs as electrical consumers.

The unit is equipped with sensors and a display for monitoring temperature, pressure, flow rate, voltage, and current.

A safety valve and temperature monitoring ensure safe operation.

Technical Data & Specifications

- **Steam Engine:**
 - Power: max. 5W
 - Speed: max. 1200min⁻¹
 - Cylinder diameter: Ø 20mm
- **Generator:**
 - DC motor: max. 3.18W at 6000min⁻¹
- **Gas-Fired Boiler:**
 - Safety valve: 4bar
 - Gas connection: 3/8"L (propane or butane)

Measuring Ranges

- **Temperature:** 8x -20...200°C
- **Pressure:** 0...6bar
- **Flow rate:**
 - Gas: 0...110L/h
 - Water: 15...105L/h
- **Voltage:** 0...10VDC
- **Current:** 0...250mA

Power Supply

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase
- 120V, 60Hz, 1 phase

Dimensions & Weight

- **LxWxH:** 1700x810x1440mm
- **Weight:** ~110kg

Required for Operation

- Water connection, drain
- Gas supply (3/8"L propane or butane gas)