

A little used 60MW Steam Turbine Power Plant (60Hz, Co-generation Type)

(Turbine)

Manufacturer: Mitsubishi-Hitachi Power Systems (Japan)

Manufacturing year: 2017

Type: Direct (Turbine-Generator), Condensing Turbine

Turbine speed: 3600rpm

Main steam inlet pressure: 12.3MPa

Main steam inlet temperature: 538 °C

Exhaust pressure: 0.0053MPa abs

Rotation: Clockwise (view from generator side)

(Generator)

Manufacturer: Mitsubishi Electric (Japan)

Manufacturing year: 2017

Capacity: 60.24MW (66,934kVA)

Voltage: 13800V

Current: 2801 A

Frequency: 60Hz

Speed: 3600 min⁻¹

No. of Phase: 3

No. of Pole: 2

Power factor: 0.9

Excitation voltage: 185V

Field magnetic current: 1005 A

Type: Air cooling, Synchronous

Cooling type: IC8A1W7

(Brushless excitation)

Manufacturer: Mitsubishi Electric (Japan)

Manufacturing year: 2017

Capacity: 210kW

Voltage: 185V

Current: 1136 A

Speed: 3600