

Unused Hitachi 34 MW Gas Turbine Gensets

[Inventory ID #213393]



- Hitachi Gas Turbine.
- (General Specifications):
 - Manufacturing year: September/2011
 - Model: H-25
 - Serial number: 956121
 - Output: 34,000 KW
 - Simple type
 - Single shaft type
 - Horizontal split casting, stacking rotor type
 - 3 stages impulse type
 - Efficiency: 34.8% LHV
 - Heat rate: 10350 kJ/kWh
 - Heat rate: 9806 Btu/kWh
 - Exhaust flow: 96.6 kg/s
 - Inlet pressure: 1.67 MPa
 - Exhaust pressure: 1.13 kPa
 - Number of stages: 3
 - RPM: 7275
 - Inlet temp.: 1280°C
 - Exhaust temp: 568°C
- Combustor:
 - Reverse flow type
 - 10 can combustors
 - Slot cooling
- Compressor specification:
 - 897 am
 - Inlet pressure:- 1.329 kPa
 - Exhaust pressure: 1.67 MPa
 - Inlet temp.: -1°C

- Exhaust temp: 448°C
- Number of stages: 17
- Compressor RPM: 7275
- Siemens Generator: (General Specifications):
 - Make: Siemens (Germany)
 - Year: 2011
 - Type: Synchronous
 - Machine code: SGEN5-100A-2P
 - Serial number: 12010945
 - Rated Power: 37,778 kVA
 - Rated Current: 1,897 Amps
 - RPM: 3000
 - Volts: 11,500 Volt
 - 1897A
 - Frequency: 50 Hz
 - Phase: 3
 - Connection: Wye
 - Poles: 2
 - Phase Sequence: U1,V1,W1
 - Direction of rotation: CCW
 - Type of Excitation: Self Excitation
 - Power factor: 0.90
 - Volts: 96V
 - Amps: 897A
 - Degree of protection: IP54
 - Cooling type: Air cooling: IC8A1W7
 - Cooling air temp.: 14°C
 - Class of Insulation: F
 - Temperature rise corresponds to class: B
 - Rating and performance standard: IEC 80034
- Weight:
 - Gas Turbine + Base: 47 Ton
 - Generator: 85 Ton (Rotor Weight: 14.6 Ton, Stator Weight: 35.5 Ton)
 - Lube oil tank, reduction gear and auxiliaries: 82 Ton
 - Air intake system: 51 ton
 - Exhaust system: 7 ton

- Location: Asia

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