

Westinghouse 100 MW Gas Generator [Inventory ID #214484]



- Manufactured: 1995.
- Westinghouse Gas Turbines.
 - Model: W501D5.
 - Type: Axial Flow.
 - Power Output: 100,000 kW(100MW).
 - Stages: 4.
 - Inlet Temp.: 1093 ?.
 - Exhaust Temp.: 530 ?.
 - Exhaust Flow: 1313272 kg/h.
 - TAC Temp.: 15?.
 - Speed Governor: DEHC.
 - Starter System.
 - Type: 1530 kW Electric Motor.
 - Quantity: 1 ea.
 - Combustor.
 - Can-Annular Air Compressors (link to Air compressors parent category).
 - Quantity : 14 ea.
 - Type : Axial Flow.
 - Air Mass Flow: 358 N³/min.
 - Inlet Temp.: 15?.
 - Pressure Ratio: 14:01.
 - Outlet Pressure: 14.462 kg/?.
 - Stages: 19.
 - Outlet Temp.: 389 ?.
 - Westinghouse generators.
 - Type : OAC(Open-Air-Cooled).Sal
 - Rated Power: 129(143) MW(MVA).
 - Power Factor/ short-circuit ratio: 90%/0.695.
 - Frequency: 60Hz/2pole.
 - Speed : 3600 RPM.
 - Rated Voltage/Current : 13.8 kV/5731 A.
 - Insulation Class : F.

- -Exciter.
- Speed : 3600 RPM.
- Exciter Type : PMG.
- Rated Voltage/Current 325 V/1006 A.
- Protection Devices : 87G, 59GN, 40,32,46, 51V, 60,25.
- Neutral Grounding: NGR.
- Bus Bar: IPB(3phases).
- Rotation Direction: CW (Viewed Form Exciter end).
- Hitachi Steam Turbine & Generator.
 - Year: 1971.
 - **Overhaul year:1997.**
 - Type: TCDF Reheat Condensing 23.
 - Power Output: 150,000 kW.
 - Rotor Speed: 3,600 RPM.
 - Number of stage: HP 6 / IP 7 / LP 5.
 - Main Steam Pressure: 100.1 kg.
 - Main Steam Inlet Temperature: 498.2.
 - U: 34.4 kg.
 - Reheat Steam Inlet Temperature: 353.9.
 - Reheat Steam Outlet Pressure: 31.7 kg.
 - Reheat Steam Outlet Temperature: 501.5.
 - Exhaust Pressure: 38 mmHg(a).
 - Speed Governor: Electro-Hydraulic Governor.
- Quantity: 5.
- **Location: Asia.**

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