

What is included in a standard steam turbine generator set?

We deliver a standard steam turbine generator set including the SST-600 (with or without gearbox), a generator, oil system, piping and instrumentation and the control system. The standard package can be extended to include a condenser, condensing plant or pre-heating system.

Which steam turbine generator should I Choose?

Choose the most reliable steam turbine generator to extend the lifecycle of your plant. *Based on delivery of 200MW STG's from 2006 - 2019. Since our first North-American delivery in 1967, Toshiba has successfully delivered 133 STG units, having 37.5 GW of cumulative capacity.

What is a Siemens Energy steam turbine?

Siemens Energy Steam Turbines are an essential piece of turbomachinery to many power plants worldwide. They are applied either as a generator drive or a mechanical drive for pumps and compressors. The modular design concept of all steam turbines ensures high flexibility, availability and a reduction of time-to-market.

What is a GE steam turbine?

GE offers a complete line of STAGTM (Steam And Gas) combined-cycle steam turbines which are matched to the exhaust energy of one or more GE gas turbines and Heat Recovery Steam Generator(s) (HRSGs). HRSGs are used to convert the gas turbine exhaust into useful steam for the bottoming portion of the combined-cycle.

Can GE steam turbines be used in a stag plant?

GE steam turbines for STAG plants are available for a wide range of applications up to 1800 psig/124 bar and 1050 F/566 C for both reheat and nonreheat cycles. Automatic extraction modules are available for nonreheat units in cogeneration combined-cycles. Each unit is specifically designed for combined-cycle, sliding pressure operation.

What does a steam turbine do?

Our steam turbines, built with precision and passion, serve as both generator drives and mechanical drives for compressors or pumps. They form the heart of numerous combined cycle and cogeneration plants and countless industrial applications.

This process can be followed on an enthalpy-entropy (H-S) diagram, known as a Mollier chart. In the example diagram (), the path from Point 1 to Point 2 represents typical BPST operation at a chemical plant, pulp and paper mill, oil ...

We offer a comprehensive lineup of small and mid-sized steam turbines for industrial applications, as well as large steam turbines for steam, nuclear, and geothermal power plants. Our applications and services are tailored to meet ...

GE's steam turbines equip 41% of the world's combined-cycle plants. Right now there are more than 1,000 combined-cycle steam turbines operating in 70+ countries, generating more than 140 GW of power. Our steam turbines can be ...

Consisting of Dresser-Rand frame S-6, 2500KW Single Valve Multi Stage Condensing Steam Turbine, 6000 RPM, Inlet Steam 200 to 300 psig, 500 to 600 Deg. F, Exhaust 2" HGA, CW rotation looking from governor end, 1 Curtis 6 ...

This is not a piston rod; flywheel or slide valves are attached to the turbine. It is a rotor and a set of rotating blades that attach to the shaft, and the shaft is placed in the middle of the rotor. An ...

Steam Turbine Generator Specialists, dedicated to providing cost effective, high quality Steam Turbine Generator Sets or Packages up to 30 mw ... turbine generator sets or packages for a ...

Steam turbines in combined cycle applications are specifically developed as multi-pressure condensing types, using water cooling provided from a cooling tower or air cooler, and direct ...

The longevity of our steam turbine generators goes well beyond the expected 20-year life span. In fact, Toshiba was recognized by the Guinness Book of World Records for having the longest ...

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