



STEAM TURBINE

To Meet Challenging Operating Conditions



Single Stage Steam Turbines

Over 4 decades of expertise in the field of steam turbines, Triveni has emerged as globally preferred steam turbine manufacturer. Triveni Turbines are designed to meet the growing demand of flexibility in power and steam requirements in process driven industry. Triveni offers the most rugged and reliable single stage backpressure steam turbines upto 2500Kw.

Single stage turbines offered by Triveni are catered to industries like Palm Oil, Refineries, Chemical Plants, Sugar refineries, Power plants.

Why Triveni....

Over 2500 installations across the globe in over 45 countries in all industrial segments and over 500 turbines in co-generation plants

Best in class manufacturing plant in Bangaore with manufacturing capacity of 150 turbines per year

Life time support for spares and services to maximize the return on investment.

Industry bench mark delivery time. Helps our customers commission their power plants faster.

Every turbine is put through a Mechanical Steam Test (at factory, before dispatch) at full speed to test vibration, safety trip etc.

Advantages of Triveni's Single Stage Turbine :

Robust and Compact Design – Turbine Gear Box and Generator mounted on Single Skid.

Reliability – Uptime over 99%

Quick Start – Designed for daily start & stop conditions

Part Load Operation – Offers high stability in operation during Partial Load Conditions




Easy Maintenance

Control System – Hydraulic / Electronic

Rugged – Sturdy construction which enables uninterrupted operation in varying load and steam conditions

Cost Effective Solution

Product Range

Model	Capacity (kW)	Type	Operating Steam Conditions	
TST 1010	500	Single Stage back pressure Steam Turbine Skid mounted: Steam Turbine, Gear Box, Generator on Common base frame cum Oil Console	Inlet pressure : 43 bar (A) Inlet Temperature : 400°C Exhaust pressure : 4.5 bar(A)	
TST 1010	1000			
TST 1012	1200	Single Stage back pressure Steam Turbine Skid mounted: Steam Turbine, Gear Box,	Inlet pressure : 45 bar (A) Inlet Temperature : 450°C Exhaust pressure : 4.5 bar(A)	
TST 1018	1800	Single Stage back pressure Steam Turbine Skid mounted: Steam Turbine, Gear Box, Generator on Common base frame cum Oil Console	Inlet pressure : 43 bar (A) Inlet Temperature : 400°C Exhaust pressure : 4.5 bar(A)	
TST 1025	2000			
TST 1025	2500			



CADPHOSTM TUR/01/AUG-2015

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