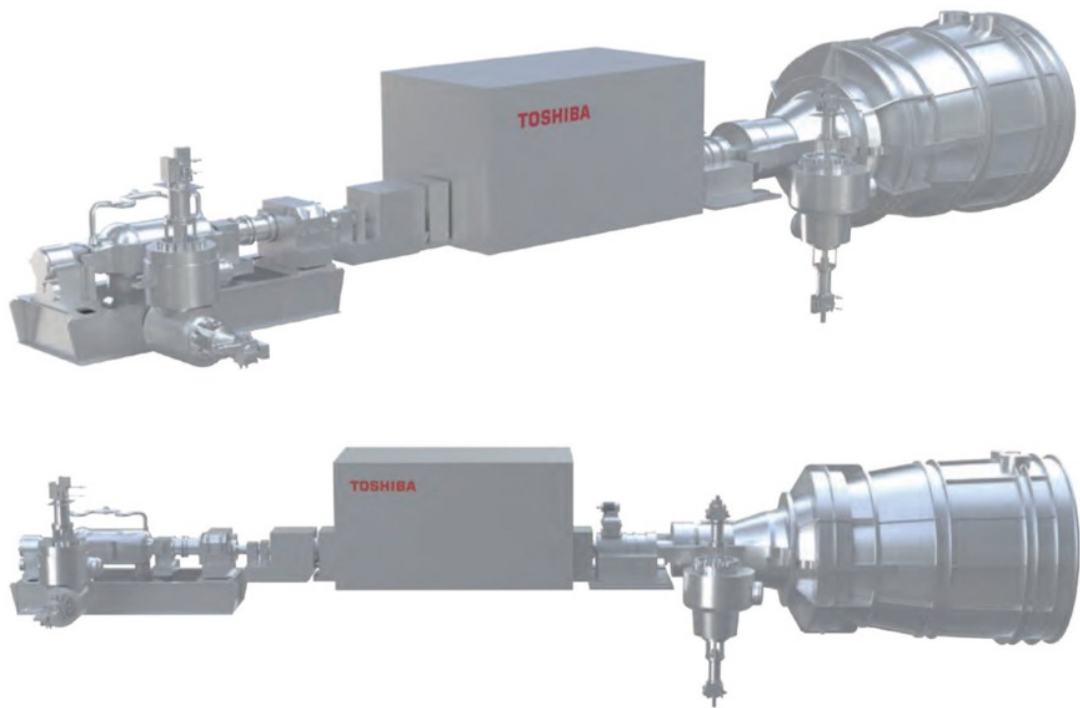


TX-2G

Tandem Compound Geared Single Flow



The TX-2G geared turbine consists of two casings and incorporates one high-speed, high-pressure turbine and one intermediate / low-pressure turbine (ILP). A reduction gear between the turbines reduces the rotational speed of the high pressure turbine to 3,000 rpm (50Hz) or 3,600 rpm (60Hz).

The TX-2G turbine system offers benefits not possible with a traditional turbine. One benefit is quick start-up and fast response making the TX-2G a perfect choice to complement variable output of alternative energy sources such as solar energy and wind energy. Additionally, the high speed of the high-pressure turbine reduces the footprint of the TX-2G without sacrificing performance, leading to constructability benefits and construction cost savings.

FEATURES

- Down- or axial-exhaust options.
- High performance and efficiency in a single-flow exhaust.
- Compact high-speed, high-performance and modularized high-pressure turbine.
- Short start-up times and flexible start-up modes.
- Class-leading availability and reliability.

SPECIFICATIONS

MAIN STEAM PRESSURE	UP TO 170 BARA / 2,466 PSIA
MAIN STEAM TEMPERATURE	UP TO 585 DEG. C / 1,085 DEG. F
REHEAT TEMPERATURE	UP TO 585 DEG. C / 1,085 DEG. F
OUTPUT	UP TO 220 MW
FREQUENCY	50HZ OR 60HZ

height6.5length23.0width8.2over4.2under2.3

high

intermediate-low

1 + 1 single flow

Note: Dimensions vary on a Case to Case basis.
Only for Reference.

unit : meter