

GAS TURBINE

RT 386

Description:

A gas turbine is an internal combustion engine that uses air as the working fluid. It compresses cold air, increasing its temperature and pressure, then burns fuel to add heat. The hot air then drives a turbine that powers the initial compressor. Real applications use the remaining energy in the air as a jet for direct propulsion, or to drive another turbine, producing mechanical work. This unit includes two-shaft gas turbine has a single shaft main turbine and compressor to power the compressor and a combustion chamber between the main turbine and compressor. Gas leaves the main turbine as a high energy exhaust gas 'jet'. This device has a second power or free turbine to capture some of energy in the flow of hot gases as mechanical work using a dynamometer.

Specifications:

- Two shaft gas turbine
- Dynamometer
- Water cooling system
- Fuel: propane or mixture of propane and butane
- Fuel in the form of high-pressure natural gas storage
- Ignition system
- Pressure gauges
- Temperature transmitters with displays
- Fuel consumption indicator
- Electrical control panel with switches and displays
- Compressor
- Combustion chamber
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Familiarization with the function and typical behavior of gas turbines
2. Determining important parameters in gas turbine cycle
3. Determine efficiency of gas turbine

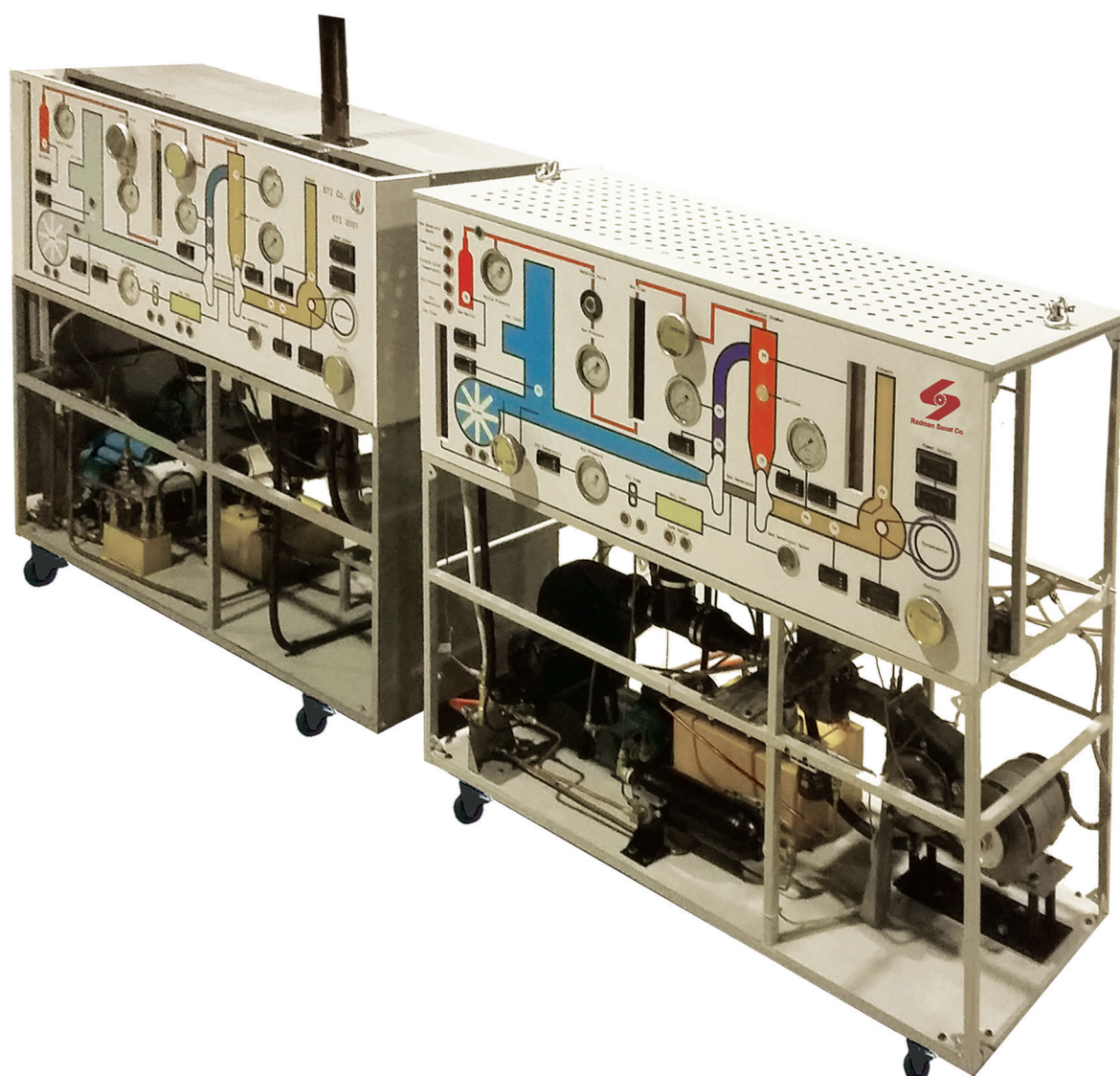
Required For Operation:

- Distilled Water
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%
- Exhaust Gas Transfer Channel

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Dimensions (L*W*H) mm:1700×900×1800

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