

SINGLE CYLINDER AND FOUR-STROKE PETROL ENGINE

RT 060

Description:

Gasoline engines are one of the most common devices in different industries and more specifically the power generation and automotive industries. This unit is a device that allows users to completely observe an actual gasoline engine and its components. With the vast range of equipment and measuring instruments of the device, it is possible to conduct a variety of experiments allowing for complete investigation of the system.

Specifications:

- Four stroke single cylinder engine
- Heat exchanger with cooling coil
- Water rotameter
- Electrical control panel with switches and displays
- Consumer
- Temperature measurement sensors in 5 points of the device
- Gasoline tank
- Load cell and torque determination system
- The suspension system includes springs, bearings and suitable machining parts
- 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. Studying the operation of a single cylinder four-stroke petrol engine
2. Applying engine power to the heater as a consumer and its effect on different parameters including: Consumed fuel, engine revolution, the wasted heat from the cylinder exhaust, break efficiency, nominal and mechanical efficiencies of engine, etc.
3. Calculating the whole amount of the applied thermal energy by the fuel
4. Calculating the mechanical, nominal, and break efficiencies of the engine

Required For Operation:

- 220 v Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm:1400×800×1600

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