

Product Name :
Four Stroke Four Cylinder Petrol Engine Test Bench

Product Code :
THEM0006



Description :

Four Stroke Four Cylinder Petrol Engine Test Bench

Technical Specification :

The engine used here is a four-cylinder petrol engine with a controlled catalytic converter. It has its own closed cooling water circuit.

A solid welded frame on rollers carries the entire setup.

Hazardous areas such as hot surfaces and rotating parts are covered with perforated plates.

The connection to the brake is made via a rotationally elastic coupling with a jointed shaft.

The engine is attached to the load unit by fasteners.

The engine software runs on a personal computer, requiring only a single USB interface between the electronic console and the PC.

For safety reasons, the engine has been modified in a way that it only starts when it is connected to the load unit both mechanically and electrically.

FEATURES:

Closed cooling water circuit

Engine flexibly mounted on mobile frame

Plotting of torque and power curves

Determination of specific fuel consumption

Determination of volumetric efficiency and lambda (fuel-air ratio)

Energy balances

Overall engine efficiency

Switch cabinet with warning lamps (oil pressure, alternator failure), operating time counter and ignition key

SPECIFICATIONS:

Max. Power: 63 BHP @ 5500 rpm
Max. Torque: 89 Nm @ 3000 rpm
Fuel: Petrol
Cooling: Water-cooled
Ignition: Spark ignition
Capacity: 1086 cc
No of cylinders: Four
Bore: 66 mm
Stroke length: 77 mm
Starting: Self-start
Working stroke: Four strokes
Battery: 12V, 45A
Alternator: 12V, 45A
Power required: 230V, 50Hz, 1 phase

 **LAB ENGINEERING**

Elab Engineering Equipments Manufacturers