

**Product Name :**  
SINGLE CYLINDER FOUR STROKE PETROL ENGINE  
WITH ROPE BRAKE DYNAMOMETER**Product Code :**  
Heat Engine0004**Description :**

SINGLE CYLINDER FOUR STROKE PETROL ENGINE WITH ROPE BRAKE DYNAMOMETER

**Technical Specification :**

Engine : Single-cylinder 4-stroke Petrol Engine, (HONDA-GX160 make)  
Maximum power (P) : 4.8 HP (3.6 kW) @ 3,600 rpm  
Rated speed (N) : 3600 R.P.M.  
Speed measurement : Digital RPM Indicator OR Tachometer at Extra Cost  
Temperature : Multi - Channel digital Temperature Indicator  
Compression Ratio (CR) : 9.0 : 1  
Net Torque : 7.6 lb-ft (10.3 Nm) @ 2,500 rpm  
Displacement : 163 cm<sup>3</sup>  
Piston Stroke (L) : 45 mm  
Bore (D) : 68 mm  
Starting : Recoil Starter  
Loading (BHP, Maximum) : Rope Brake Dynamometer  
Engine cooling : Air Cooled  
Exhaust gas calorimeter : Shell and Tube Type Calorimeter  
(For Heat balance sheet)  
Engine Output (watt) : Spring Balance for dynamometer  
Air flow : By M/S tank, Orifice plate, a Manometer

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Fuel flow rate : Glass Burette with cover  
Required Service : 15 amp single phase electrical connection  
1/2" Continuous water supply  
Proper Rigid Concrete foundation

The whole setup is fitted on M.S. Frame & Control panel.

 **LAB ENGINEERING**

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