

**Product Name :**  
SINGLE CYLINDER FOUR STROKE DIESEL ENGINE  
WITH HYDRAULIC DYNAMOMETER**Product Code :**  
Heat Engine0003 LAB ENGINEERING**Description :**

SINGLE CYLINDER FOUR STROKE DIESEL ENGINE WITH HYDRAULIC DYNAMOMETER

**Technical Specification :**

Engine : Single-cylinder 4-stroke diesel Engine, Natural aspirated type (Comet make)

Maximum power (P) : 6.0 HP. (Appx. after modification of engine)

Rated speed (N) : 1500 R.P.M.

Speed measurement : Digital RPM Indicator OR Tachometer at Extra Cost

Temperature : Multi - Channel digital Temperature Indicator

Compression Ratio (CR) : 6 to 18 (Variable by crank displacement setup)

Clearance Volume (V<sub>c</sub>) : 35 Cm<sup>3</sup>Swept Volume (V) : 256 Cm<sup>3</sup>

Piston Stroke (L) : 66 mm

Bore (D) : 70 mm

Starting : manual cranking

Loading (BHP, Maximum) : Hydraulic Dynamometer

Water cooling : Water cooling for auxiliary Head

Exhaust gas calorimeter : Shell and Tube Type Calorimeter

(For Heat balance sheet)

Engine Output (Kg.) : Digital Load Indicator 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.

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