

**Product Name :**  
SINGLE CYLINDER TWO STROKE PETROL ENGINE

**Product Code :**  
NLAB-MECHANICALAB190019



**Description :**

SINGLE CYLINDER TWO STROKE PETROL ENGINE WITH ROPE BRAKE DYNAMO METER

**Technical Specification :**

Engine : Single-cylinder 2-stroke Petrol Engine,  
(Bajaj make)

Maximum power (P) : 2.2 Kw @ 1500 RPM

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) : 8.8:1

Net Torque : 9.70 N-m

Displacement : 100cc

Piston Stroke (L) : 57.7 mm

Bore (D) : 57 mm

Starting : Kick Start

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

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.

## Naugralabequipments

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