



Engine Models

Steam engine factory model (ELP.105.181)

This model works on Fuel. Capable of running a small dynamo to light the lamp with the help of its fly wheel and driving gear. Complete with pressure gauge, whistle and safety valve. The model is mounted on thick metal sheet base synthetic hammer finish. Overall dimensions : 410 x 325 x 370 mm. length x width x height approx.



Steam engine sectional demonstration model (ELP.105.182)

Locomotive design showing cross section of the piston and sliding valve as positioned in the steam chamber (cylinder), clearly visible such as crank shaft, valve control. drive wheel etc. All brass parts (except fly wheel) are C.P. , mounted on heavy metal base with synthetic finish. Overall dimensions : 375 x 95 x 160 mm. length x width x height approx.



Steam engine Model with Boiler (ELP.105.183)

Operation of a commercial steam engine is well illustrated with this working model. The extra large size unit is provided with a horizontal boiler with a whistle, safety valve, steam gauge, heating lamp and a small dynamo model.

.01 As above, but without Dynamo model.

.02 As above, but operates on 220 Volts A.C. 50 Hz.



Aluminum container (ELP.105.184)

160 x 100 mm (diam x ht), with carrying handles.

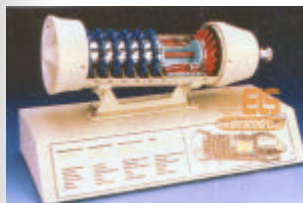
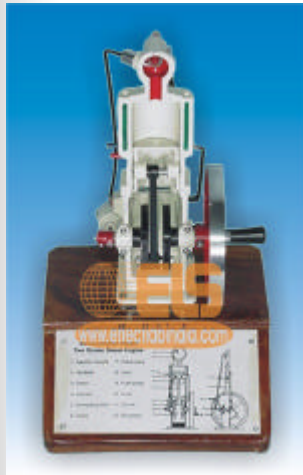


Two Stroke Petrol engine (ELP.105.185)

Represents internal structure and operating principles of an air-cooled two-stroke petrol engine by means of a miniature bulb. Carburetter and fuel supply also sectioned,. Mounted on metal or polished wooden base, with printed diagram.

Four Stroke Petrol engine (ELP.105.186)

Represents a typical aircooled, side - valve four stroke petrol engine with the operation of the valves clearly evident, cams being driven by a gear train from rear of the main crank .. As with the two - stroke mode, simulated spark plug uses a small lamp to indicate the firing point. Screw terminals are provided for connections to 3 Volts battery. Cross - section of carburetter is shown. Mounted on metal or polished wooden base. With printed diagram.



Two Stroke Diesel engine (ELP.105.187)

A model of two stroke diesel engine made in aluminum alloy and gun metal. Ignition is shown by means of a miniature bulb. Fuel supply is also sectioned. Mounted on metal or polished wooden base. With printed diagram.

Four Stroke Diesel engine (ELP.105.188)

A model of four stroke water - cooled diesel engine . This is of the chain driven overhead camshaft type and all functional components like camshaft, rocker - arms, tappets etc. are clearly demonstrated. The functioning of fuel injection system is also represented. Ignition is shown by means of a miniature bulb. Mounted on metal or polished wooden base. With printed diagram.

Gas Turbine / Turbojet engine (ELP.105.189)

The section cut model is constructed of light and strong metal showing Air intake, Axial flow double stage compressor. Fuel supply, Combustion Chamber, Turbine Rotar, Jet Thrust, Exhaust etc. Complete on metal or wooden base. With printed diagram.

Wankel Engine (ELP.105.190)

The model demonstrates the principle operation. It is cutaway to show the internal constructional details . Unlike other engines the rotary piston engine avoids reciprocating parts. The power piston engine avoids reciprocating parts. The power piston is an arch like triangular rotor which on rotating generates an epitrochoid. Mounted on metal or well polished wooden base with printed diagrams.



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Hero's Engine (Eolipile) (ELP.105.191)

A functional glass model of the earliest form of steam turbine. Comprising a borosilicate glass bulb 70 mm diameter approximately, with side arms bent at right angles and formed into jets at their tips. The bulb is carried upon a metal stand which leaves it free to rotate about its horizontal axis. If about 25 to 30 cm³ of water are introduced into the bulb and boiled the issuing steam causes rapid rotation. Supplied complete on stand but without burner.

Dimensions of base 180 x 120 mm.

Model Water Turbine with Dynamo (ELP.105.215)

Model Water Turbine with Dynamo