Email : sales@scilabexport.com
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Product Name :

Cut Section Model Of Four Stroke Petrol Engine

Product Code :

SLE/MCE/63



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Description :

The Cut Section Model Of Four Stroke Petrol Engine is built from an actual 160 cc, 6 HP engine and turned by a crank handle. A class can follow the piston, valves and crankshaft through intake, compression, power and exhaust. Its parts, lubricating circuits, fuel system and cooling system are painted in different colours, and the engine is made dissectible for demonstration.

Petrol engine cut section specifications

Parameter	Detail
Engine	Actual four-stroke petrol engine, cut-sectioned for training
Displacement and power	160 cc; 6 HP
Operation	Manual, by crank handle; flywheel fitted
Mounting	Sturdy iron frame on a base
Colour coding	Parts, cross-sections, lubricating circuits, fuel system andcooling system in different colours
Construction	Specially made dissectible for demonstration
Supplied with	Key card and literature on the working of the engine
Dimensions	500 × 500 × 600 mm
Weight	Approx. 35 kg
Product code	SLE/MCE/63
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Engine lessons on the cut section model

Stroke-by-stroke chart. Chalk a mark on the flywheel, then turn the crank slowly and stop at the end of each stroke. Students note the piston direction, which valve is open and what the mixture is doing, and finish with a chart of the whole cycle over two crankshaft turns.

Spark ignition against compression ignition. Place the model beside the section model of four-stroke diesel engine. Students compare the combustion chambers, find the injector on the diesel model and explain why the diesel needs no spark plug.

Naming the parts. Because the engine is dissectible, the instructor removes one part at a time while students identify it from the key card and say which colour-coded circu
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