

Product Name :

Cutaway Model For Hybrid Engine Synergy Drive - Gasoline and Electric

Product Code :

TK130

**Description :**

Cutaway Model For Hybrid Engine Synergy Drive Gasoline and Electric

Technical Specification :

Cutaway Model For Hybrid Engine Synergy Drive - Gasoline And Electric

This cutaway model shows which has two sources of power, the petrol engine and the electric motor. The THS recovers energy otherwise lost to heat in the brakes and uses it to supplement the power of its fuel-burning engine.

MG1 (motor generator 1) generates electrical power and starts the engine;

MG2 (motor generator 2) drives the vehicle. During deceleration, the wheels drive MG2 which acts as a generator for regenerative power recovery.

Main Characteristics:

The cutaway model shows the following main specifications:

4 cylinders

Displacement: 1500 cc

DOHC overhead camshaft

4 valves per cylinder

Roller chain

VVT-I system (Variable Valve Timing with intelligence) electronically controlled intake valves

Multi-point electronic injection with throttle

Electrical engine

Epicyclical engine

Generator

Transmission belt (CTV)

Gears

Differential group

Exhaust manifold with Lambda probe

The engine is mounted on a stand with wheels and it is operated manually by means of one crank handle placed on the thermal engine and one on the electric engine in order to simulate the different cycles.

General Characteristics:

Dim. mm (Height x Length x Width): 1300x1000x800

Weight kg 250

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