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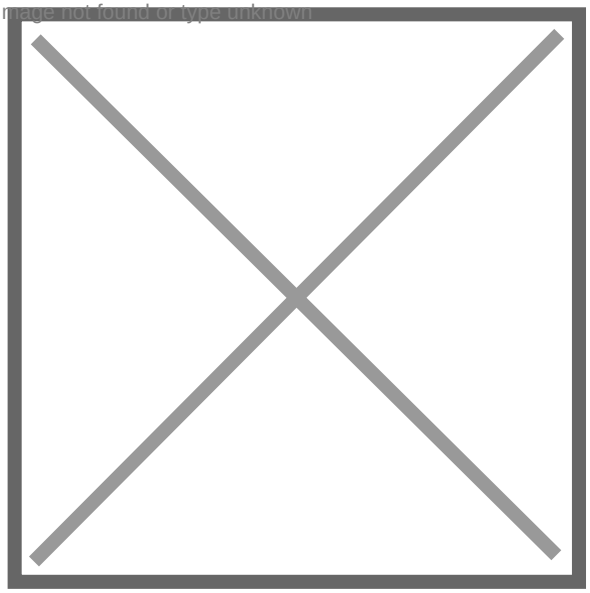
Product Name :

Electric Motors

Product Code :

SCL-357/022

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Description :

Electric Motors (Product Code: SCL-357/022) is a build-it-yourself electric motor set used to show how a current-carrying coil turns in a magnetic field, in school physics lessons on electromagnetism. Its parts come in multiples of six — six mild steel armature rods, six shafts and six support bases, with twelve iron magnets — alongside a 2–14 V AC/DC, 6 A power supply and a demonstration board. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** , an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Armatures	6 mild steel rods with armature
Magnets	12 iron magnets
Support bases	6
Shafts	6 cylindrical shafts
Levers	24, plastic
Pins	12 separate pins
Coils	One copper wire coil and one cylindrical coil
Power supply	2–14 V AC/DC, 6 A
Leads	1 pair of wires with clamps
Demonstration board	Electric motor demonstration board
Product code	SCL-357/022
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Electric Motor Set Used For?

An electric motor turns electrical energy into rotation, and building one is the clearest way for students to understand why. The teacher can present the principle on the demonstration board first; students then assemble motors from the parts supplied — armature rods, shafts, support bases and magnets — and connect the power supply with the clamped wires. When current flows in the coil, the magnetic force on it produces a turning effect and the armature spins.

On the DC output, reversing the supply connections reverses the direction of rotation, and raising the voltage within the 2–14 V range makes the motor run faster — two effects students can test and explain with the motor rule. Start at the lowest voltage, keep fingers and loose hair away from spinning parts, and switch off before adjusting anything. As an electromagnetic kit for school physics in India and abroad, its multiples of six suit group practicals well.

Wha