



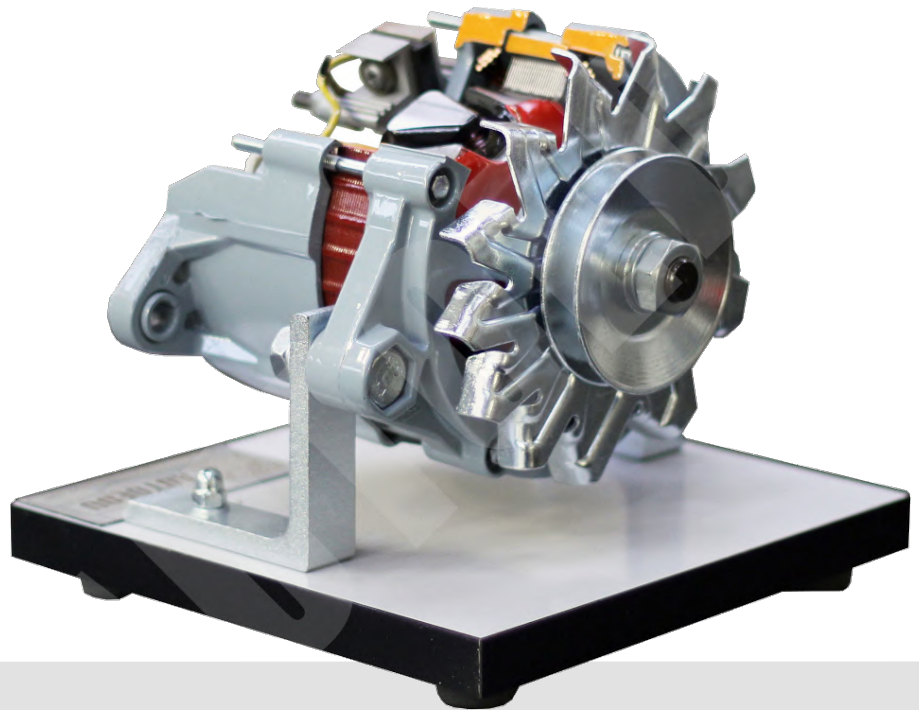
ALTERNATOR SINGLE-FLOW COOLING CUTAWAY

A6

Product number

AE410080M

Displays key components: stator windings, rotor with slip rings, brushes, rectifier diodes, and voltage regulator. Demonstrates mechanical-to-AC energy conversion for battery charging and electrical system supply. Includes pulley to simulate engine drive and shows field current control and cooling airflow path.



Features

- Cutaway alternator model with all key internal components visible, including the stator armature winding, rotor, rectifier diodes, and voltage regulator.
 - Demonstrates the field current modulation process via slip rings and brushes, offering insight into power regulation in automotive systems.
 - Real alternator structure based on OEM modern vehicle systems, including detailed components such as the grease seal felts for bearings, brush holder, and positive and negative collector rings.
 - Small pulley system included to simulate real alternator function under idle and higher engine speeds.
- Designed for safe and interactive educational use, with visible connections and simplified access to key parts for measurement and study.

Specifications

- Dimensions: 250 x 200 x 200 mm (9.84 in×7.87 in×7.87 in)
- Weight: 4 kg (8.8 lb)
- Product number: AE410080M