



This is DC motor has six basic parts — axle, rotor (a.k.a., armature), stator, commutator, field magnet(s), and brushes.

DC motors are used for a variety of purposes, such as robot kits, boat, sometimes planes and individuals wishing to develop their own electric vehicle. The simple design and reliability of a DC motor makes it a good choice for many different uses, as well as a fascinating way to study the effects of magnetic fields.

Specifications:

Type: Faulhaber 12V DC Coreless Motor

Power: 17W

No Load Speed: 8100RPM/minute

Reduced Speed: 120RPM/minute

Diameter: 30mm

Length: 42mm

Total Length: 85mm

Diameter of Shaft: 6mm

Length of Shaft: 35mm

No Load Current: 75mA

Load Current: 1400mA

Gearbox Ratio: 64:1

Encoder

Type: Optical

Encoder Phase: A B

Encoder Resolution: 12CPR