

# Permanent Magnet DC Motor Cutaway



Model: 273-940

DAC Worldwide's Permanent Magnet DC Motor Cutaway (273-940) is one of a series of related sectioned industrial motors. This DC permanent magnet motor cutaway supports industrial training activities related to electric motor types, as well as repair and troubleshooting. A fractional horsepower, industrial-duty motor is modified for training purposes.

DC permanent magnet motors are encountered in many industrial applications and are commonly the motive force in applications requiring high torque at a range of operating speeds. Common applications include battery-driven devices, power tools, conveyors, and more.

A full-length shell and magnet cutaway unveils the complete internal configuration of the motor, while showcasing key features like the field poles, field windings, armature, commutator, contacts/brushes, wiring connections, and rotor design.

The cutaway includes a formed-steel mounting baseplate, allowing for stand-alone display, bench-top mounting, or mounting on specialized DAC Worldwide mounting benches and storage and support structures.

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## **FEATURES & SPECIFICATIONS**

- Sectioning of an actual industrial electrical component (popular motor brands and models are chosen for industrial relevance, including selections from Leeson, Dayton, GE, Baldor, Marathon, WEG, Siemens, Leeson, and others).
- Careful sectioning of full length of the device.
- 13-gauge, formed-steel, powder-coated mounting baseplate.
- Provision for mounting on related DAC Worldwide bench, workstation, and storage products.
- Packaging for shipment via parcel service or courier.

## **PRODUCT DIMENSIONS**

- **Product Dimensions**

(LxWxH)

9" x 9" x 10"(230 x 230 x 250 mm)

15 lbs. (6.8 kg)

- **Shipping Dimensions**

(LxWxH)

12" x 12" x 12"(305 x 305 x 305 mm)

20 lbs. (9 kg)

## **OPTIONS**

- Recommended #902V Mobile Display Stand
- #560-000 - Electrical Trades Training Manual (IPT)
- #560-001 - Electrical Trades Handbook (IPT)
- #562-000 - Electric Motor Repair
- #920F - Display/Support Assembly
- #562-007 - Audel's Electric Motors (Miller/Miller)

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