

**Rae Corporation**

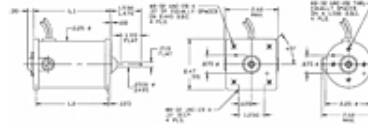
4615 W. Prime Pkwy.

Mchenry, IL 60050 7037 US

**Phone:** 815.385.3500 • **Fax:** 815.363.1641**E-Mail:** raesales@raemotors.com • **Web site:** www.raemotors.com**Item # M1503, Permanent Magnet DC Motors - M1500 Series**

The M1500 Series Permanent Magnet Motor features a compact 2.250" diameter design that is ideal for applications requiring limited continuous duty torque ratings, yet high starting torques. This product has a wide range of mechanical flexibility.

- 1/60 hp up to 1/12 hp
- Speeds up to 5000 rpm
- 12 up to 115 VDC
- 0.250" Maximum Shaft Diameter
- 0.875" Standard Pilot Diameter
- Class "F" Insulation



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**FEATURES**

- High Energy Ceramic Magnets
- Double Shielded Ball Bearings
- Dynamically Balanced Armature
- Reversible Design
- 8" Leads
- TENV Design
- Round or Square End Bells
- Externally Replaceable Brushes
- Auto-Hook Tang Type Commutator
- Optional Sleeve Bearings
- Value added options and modifications available

**SPECIFICATIONS**

Voltage Range	12 up to 115 V
Speed	0 up to 5000 rpm
Continuous Torque DC Rating <sup>1</sup>	14.5 in·oz
Continuous Torque SCR Rating	7.5 in·oz
Weight	2.25 lbs

HP Rating	0 up to 1/12
Max. Shaft Diameter	0.250 in.
Standard Pilot Diameter	0.875 in.
L1 M1500	3.782/3.707 in.
L2 M1503	3.512/3.477 in.
Insulation	Class "F"
Lead Length	8 in
End Bells	Round or Square
Optional Sleeve Bearing	Yes No

1 DC rating based on 1.00 formfactor; SCR rating based on 1.4 formfactor, 25°C ambient