

Rae Corporation

4615 W. Prime Pkwy.

Mchenry, IL 60050 7037 US

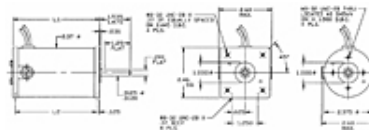
Phone: 815.385.3500 • Fax: 815.363.1641

E-Mail: raesales@raemotors.com • Web site: www.raemotors.com

Item # M1603, Permanent Magnet DC Motors - M1600 Series

The M1600 Series Permanent Magnet Motor features a compact 2.375" diameter design that provides higher continuous duty torque ratings than the M1500 Series without a dramatic increase in overall length and diameter.

- 1/30 hp up to 1/8 hp
- Speeds up to 5000 rpm
- 12 up to 115 VDC
- 0.312" Maximum Shaft Diameter
- 1.00" Standard Pilot Diameter
- Class "F" Insulation



· [FEATURES](#) · [SPECIFICATIONS](#)

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 ¹	30.5 in·oz
Continuous Torque SCR Rating	15.5 in·oz
Weight	2.75 lbs

HP Rating	0 up to 1/10
Max. Shaft Diameter	0.312 in.
Standard Pilot Diameter	1.00 in.
L1 M1500	4.444/4.414 in.
L2 M1503	4.194/4.164 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