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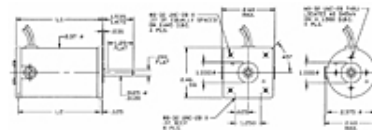
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## Item # M1605, Permanent Magnet DC Motors - M1600 Series

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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



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· [FEATURES](#) · [SPECIFICATIONS](#)

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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

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### SPECIFICATIONS

Voltage Range	12 up to 115 V
Speed	0 up to 5000 rpm
Continuous Torque DC Rating <sup>1</sup>	36.5 in·oz
Continuous Torque SCR Rating	18.5 in·oz
Weight	3.25 lbs

HP Rating	0 up to 1/8
Max. Shaft Diameter	0.312 in.
Standard Pilot Diameter	1.00 in.
L1 M1500	4.944/4.914 in.
L2 M1503	4.694/4.664 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