

Rae Corporation

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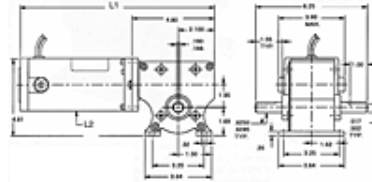
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Item # M6040 G250, Right Angle Gear Box G250 Series

RAE Corporation has achieved a major breakthrough in design and development of its G250 Right Angle Gearbox. This breakthrough has resulted in a right angle gearbox that has an 80% to 90% efficiency rating very appropriate for applications that require Back Drive.

Bevel gears transmit power from the motor through the gear box more efficiently. This allows higher torques with smaller motors, resulting in savings of power consumption, weight, and total cost.



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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
- Value added options and modifications available

SPECIFICATIONS

Voltage	12 up to 180 V
Speed	0 up to 3500 rpm
Continuous Torque DC Rating	155.0 in·oz
Continuous Torque SCR Rating	79.0 in·oz
Weight	10.30 lbs

HP Rating	0 up to 1/3
Max. Shaft Diameter	0.500 in.
Standard Pilot Diameter	2.015 in.
L1	12.705/12.650 in.
L2	3.27 in.
Insulation	Class "F"
Lead Length	8 in
End Bells	Round or Square

ELECTRICAL RATING

Model	Voltage	Ratio	Amps	Speed	Torque
M6040/G250	90 VDC	44.2:1	1.95	41	242 in·lb
		31.4:1	1.95	57	172 in·lb
		23.1:1	1.95	78	127 in·lb
		10:01	1.95	180	58 in·lb