BRUSHLESS SERVO MOTORS FEATURES & OPTIONS

GMB Series

- High-energy Neodymium-Iron-Boron (NdFeB) magnet design with low inertia rotors provide a high dynamic performance, high torque to inertia ratio and one of the worlds most powerful motors for a given mechanical form factor.
- Skewed stator design provides ultra smooth operation (i.e. low cogging torque) at all speeds.
- Constructed to withstand the toughest industrial environment with rugged, high performance bearings and TENV construction with IP65 sealing standard.
- Normally closed thermal switch provides over temperature protection.
- Worldwide standard mounting configurations (i.e. English, Metric and NEMA). Optional custom mounting configurations are available to meet virtually any requirement.
- Various electrical windings are available as standard to suit both low (120 VAC) and high (240 VAC) voltage amplifiers in order to provide optimum speed and torque characteristics. Optional custom electrical windings are available to meet virtually any requirement.
- MS connector lead termination standard. Optional fluid tight strain relief cable exit, NPT holes with flying leads and terminal boxes.
- Encoders with commutation tracks, brushless resolvers or Hall sensors are the standard feedback devices offered. Standard encoder resolutions include 500 PPR, 1000 PPR, 1024 PPR, 1250 PPR, 2000 PPR, 2500 PPR, 5000 PPR and 8192 PPR.
- Shaft keyway standard.
- Class H insulation standard.
- Optional 24 VDC holding brakes are available.
- Optional precision gear reducers are available.
- CSA and UL recognized.
- CE marked.

GMBF Series

- Traditional ferrite magnet design provides a cost effective solution.
- Higher inertia rotors provide improved motor to load inertia matching for medium to high inertia loads. This helps to reduce the mechanical shaft resonance which allows higher servo gains with increased stability.
- Skewed stator design provides ultra smooth operation (i.e. low cogging torque) at all speeds.
- Constructed to withstand the toughest industrial environment with rugged, high performance bearings and TENV construction with IP65 sealing standard.
- Normally closed thermal switch provides over temperature protection.
- Worldwide standard mounting configurations (i.e. English, Metric and NEMA). Optional custom mounting configurations are available to meet virtually any requirement.
- Various electrical windings are available as standard to suit both low (120 VAC) and high (240 VAC) voltage amplifiers in order to provide optimum speed and torque characteristics. Optional custom electrical windings are available to meet virtually any requirement.
- MS connector lead termination standard. Optional fluid tight strain relief cable exit, NPT holes with flying leads and terminal boxes.
- Encoders with commutation tracks, brushless resolvers or Hall sensors are the standard feedback devices offered. Standard encoder resolutions include 500 PPR, 1000 PPR, 1024 PPR, 1250 PPR, 2000 PPR, 2500 PPR, 5000 PPR and 8192 PPR.
- Shaft keyway standard.
- Class H insulation standard.
- Optional 24 VDC holding brakes are available.
- Optional precision gear reducers are available.
- CSA and UL recognized.
- CE marked.

Glentek, Inc.
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BRUSHLESS SERVO MOTORS FEATURES & OPTIONS

GMBM Series

- All motors have been tooled for high volume production which makes them extremely cost effective.
- Worldwide standard metric mounting configurations.
- High-energy Neodymium-Iron-Boron (NdFeB) magnet design with low inertia rotors provide a high dynamic performance, high torque to inertia ratio and one of the worlds most powerful motors for a given mechanical form factor.
- Skewed magnet design provides ultra smooth operation (i.e. low cogging torque) at all speeds.
- Constructed to withstand the toughest industrial environment with rugged, high performance bearings and TENV construction with IP54 sealing standard. Optional IP65 sealing is available on all frame sizes except the GMBM40 series.
- Various electrical windings are available as standard to suit both low (120 VAC) and high (240 VAC) voltage amplifiers in order to provide optimum speed and torque characteristics.
- Industry standard AMP and MS connector lead termination.
- All motors include encoders with commutation tracks. Standard encoder resolutions include 1024 PPR, 2000 PPR, 2048 PPR, 2500 PPR, 3000 PPR, 5000 PPR and 6000 PPR.
- Shaft keyway standard.
- Optional 24 VDC and 90 VDC holding brakes are available.
- Custom configurations are available for orders in excess of 500 pieces. Please contact our factory.
- CE marked.

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