

## Super High Power Rate Series SGMAH Servomotors - With Incremental / Absolute Encoder

Rated Output: 30W, 50W, 100W,  
200W, 400W, 750W



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### Design Features

#### 1. Compact

- Small sized motor
  - Five frame sizes (including NEMA 23 and 34 flanges): up to 1,010oz · in peak torque
  - Smaller installation space for more compact machine designs.

#### 2. High Speed

- High power rating
  - High power is achieved by minimizing the inertia of the motor
  - This increases the acceleration/deceleration rate and reduces positioning time
- Maximum rotation speed of 5000rpm
  - Increases maximum rotation speed and shortens positioning time
- Rated speed of 3,000rpm

#### 3. Encoders (reduced wiring serial encoder)

- 13-bit (2048 ppr x 4) incremental encoder (standard)
- 16-bit (16384) absolute encoder (option)

#### 4. Enclosure

- Totally enclosed, self-cooled IP55 (not including shaft)
- Optional shaft seals are available.

#### 5. Application Emphasis

- Compact, high torque to inertia ratio
- Chip mounters
- PCB drilling machines
- Robots
- Conveyors
- Packaging

#### 6. Low Noise

- Adopting the IGBT power element eliminates irritating “metallic” sounds

#### 7. Certified International Standards

- UL, cUL recognized (File #: E165827), CE compliance