



HDM SERIES

The new HDM series of high torque density motors offer superb performance in an extremely compact form. Combining the latest in high-energy Neodymium Iron Boron (NdFeB) magnets with segmented stator technology, these motors exhibit high torque to size ratios.

Available from mid 2003, these motors will offer significant advantages for any application where space is at a premium.



HR SERIES

With a torque range from 0.2 to 67Nm and frame sizes from 55mm to 190mm square, the HR series of servomotors are suitable for applications where high acceleration and deceleration are required. Low inertia rotors combined with high energy magnets give the HR series the high dynamic performance required for most special purpose applications.



HRS SERIES

The new HRS series of reduced length servomotors will be available mid 2003. Available in 92, 115 and 142mm frames, these motors are electrically compatible with the existing HR series but are flat bodied and have a substantially shorter mechanical form.



HJ SERIES

The HJ series is SEM's range of higher inertia brushless servomotors. The large diameter shaft, rotor and bearings give the HJ series higher rotor inertia and shaft stiffness. These features provide increased stability at low speeds together with increased rigidity and make the motors ideal for machine tool and direct drive applications. With the addition of the HJ190 in mid 2003, the HJ range will offer torques from 2.8 to 65Nm in five frame sizes 96, 116, 130, 155 and 190mm square.



MT SERIES

The MT series is SEM's well proven range of permanent magnet D.C. brushed servomotors. Available in 4 frame sizes and a performance range from 0.5 to 37Nm. These motors are ideal for low cost, conventional applications.

SEM - THE COMPANY AND THE PRODUCTS

SEM has been a leading designer and manufacturer of permanent magnet AC and DC servomotors for many years. SEM servomotors are supplied worldwide through an extensive network of distributors and systems houses located throughout Europe, Asia, USA and South America. SEM holds ISO9001-2000 accreditation as well as UL-approval for most servomotors and produces both standard products and custom motor solutions of the highest quality.

SEM Motors are presently used in the following applications

- Machine tools
- Textile machines
- Printing equipment
- Packaging equipment
- Robotics
- Other specialised machinery



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UL VERSIONS AVAILABLE



HIGH PERFORMANCE SERVOMOTORS