

57SW Brushless DC Servo Motor

The new range of 57SW Brushless Servo Motors are configured as mechanical replacements for the 2.3 inch stepper motors. This compact size not only simplifies transition from stepper technology but also provides a sensible mechanical standard. Within each frame size three standard lengths of motors are available. This allows size to be optimised against performance requirements. Special configurations are available in longer length or even custom short lengths. Rare earth magnets have been employed to achieve high torque in a small package. The motors have integral hall effect sensors for commutation and a rear shaft is standard for mounting an optical encoder.

Features

- Low cost.
- Rare earth magnets.
(for high torque in a small Package)
- Integral hall effect sensors.
- A variety of flange options.
- Rear shaft as standard
(for encoder mounting).
- Speeds upto 20,000 rpm.

Options available

- Motor available with hall, resolver or encoder feedback.
- Sinusoidal or Trapezoidal.
- Range of different flanges.
- Available with planetary gearbox, brake and tacho.
- Special motors on request.
- Available in 3.4 Nema soon.

	57SW01-X	57SW02-X	57SW03-X
L	54	74	94

Specifications		57SW01-001	57SW02-001	57SW03-001
Rated Voltage	V	36.5	36.5	36.5
Rated Speed	RPM	4000	4000	4000
Rated Torque	Nm	0.12	0.24	0.33
Rated Power	W	50	100	138
Max Torque	Nm	0.37	0.70	0.99
Torque Constant	Nm/A	0.05	0.05	0.05
Rotor Inertia	Kgmm ²	7.5	11.9	11.9
Weight	Kg	0.5	0.75	1

