



SE500 SERIES

SERVOMOTORS

SMART SOLUTIONS IN MOTION CONTROL

BRUSHED

The **SE500 SERIES BRUSHED Servo Motors** are stocked at Trust Automation's factory, enabling quick response to changing customer requirements. Trust Automation's SE Series motors combine USA standard encoders with the compact size and power associated with Asian Servo Motors. Our Asian Manufacturing partner ensures consistent quality at any volume. The SE series motors provide high performance and high reliability minus the high costs usually associated with this quality of motor.



SE500 SERIES
BRUSHED

FEATURES OF THE SE500 SERIES MOTORS

- Drop in replacement for many Asian Manufactured Motors
- Differential Encoder Signals A,B & Index
- Oil Seals Standard on all models
- Brake Option on all models
- Tachometers Optional on 110watt and larger models
- Redesigned Magnetics, Lower Torque Ripple (40% improvement over last generation)

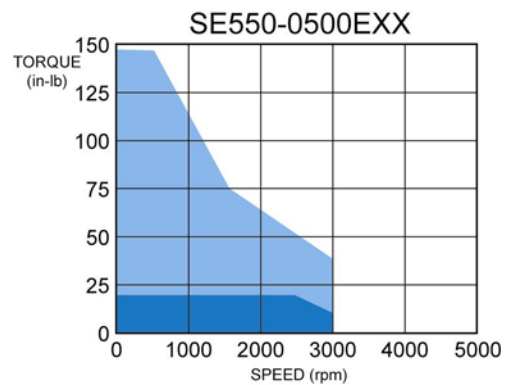
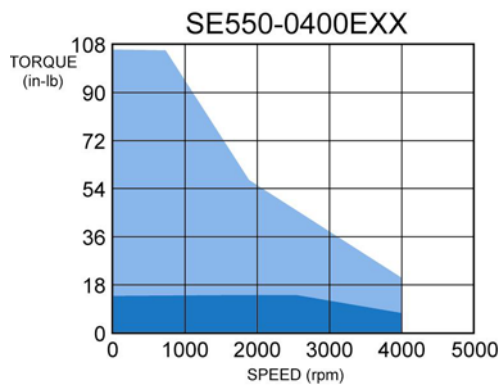
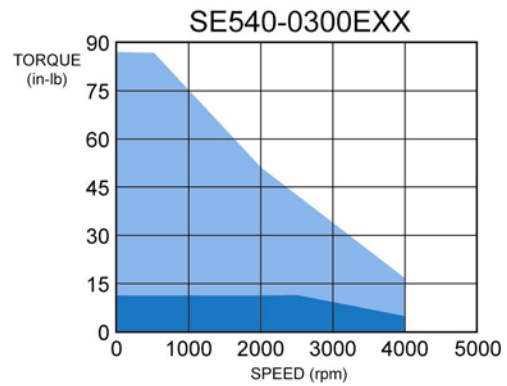
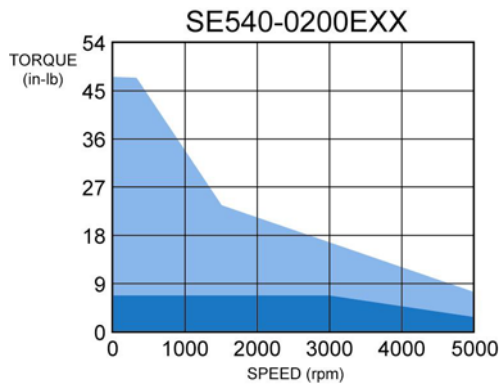
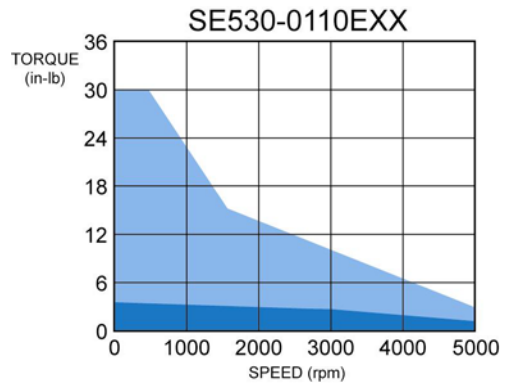
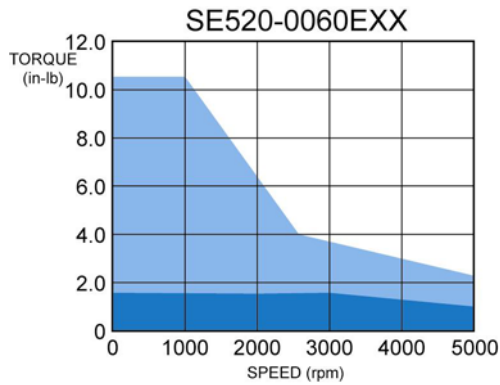
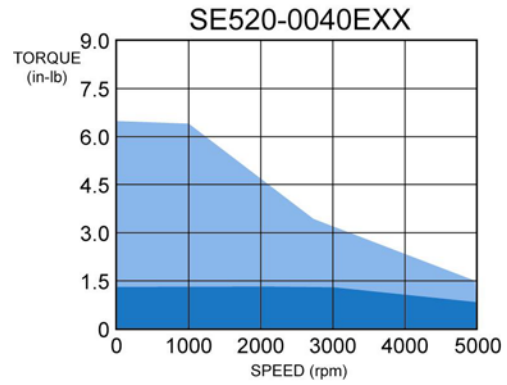
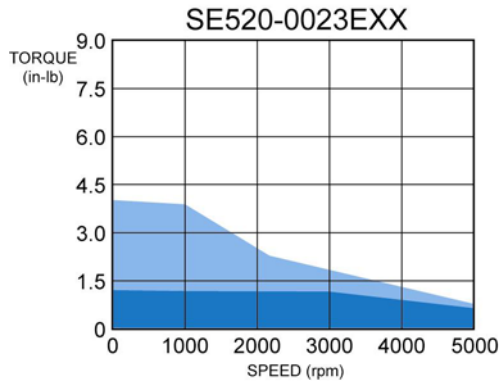
BASIC MOTOR SPECIFICATIONS

CATEGORY	RATING
Time Rating	Continuous
Insulation Grade	F Type
Dielectric Strength	1,500 VAC, 1 minute, 600V 1 minute on SE520
Insulation Grade	500 VDC, 10MΩ or more
Protection Systems	Fully Enclosed, Self Cooling
Seals	Standard
Operating Temperature	0 °C to 40 °C Non-condensing
Storage Temperature	-20 °C to 65 °C
Vibration Grade	V10
Excitation System	Permanent Magnet
Waterproof	IP43



205 Suburban Road. San Luis Obispo, CA 93401 ph/805.544.0761
www.trustautomation.com

SE500 Series Torque Curves



SE500 Series Pinouts

SE520-0023EXX ~ SE550-0500EXX Motors

Standard Cable Lengths:

Motor 3' 6"

Sensor 3' 6"

Standard Cable Termination:

Motor Pigtail

Sensor Pigtail

Motor Connections

Phase	Color
Motor +	RED
Motor -	BLUE
Earth Ground	GREEN/YELLOW

Sensor Connections

Signal	Color	Signal	Color
+5V	RED	GND	BLACK
Enc A+	BLUE	Enc A-	BROWN
Enc B+	GREEN	Enc B-	PURPLE
Enc I+	WHITE	Enc I -	YELLOW
SHIELD	CASE GROUND		

Brake Connections

Signal	Color
Brake +	ORANGE
Brake RTN	ORANGE