

Consolidated Specifications

620-DST, 640-DST

200W

400W

60mm

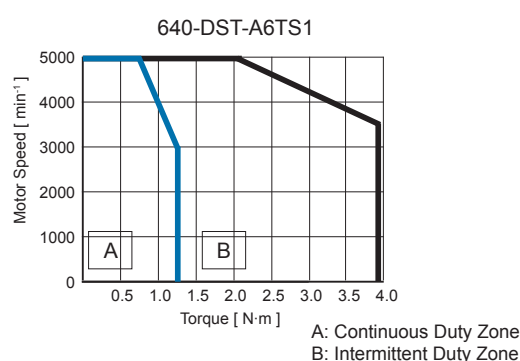
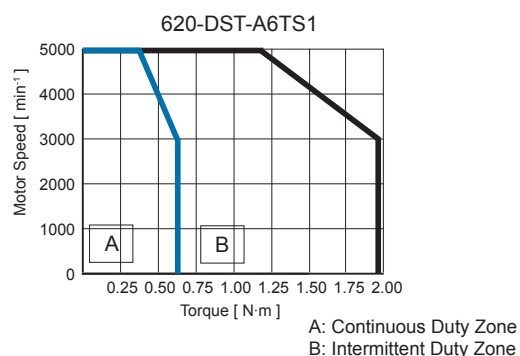
• Specification

Motor Model □□□-DST		620		640	
Rated Voltage	V	60V	200V	60V	200V
Rated Output	kW	0.2		0.4	
Rated Torque*2	N·m	0.64		1.27	
Instantaneous Max. Torque	N·m	1.91		3.82	
Rated Current	A	4.5	1.9	8.4	2.6
Max. Current	A	11.3	6.8	21.0	8.3
Rated Speed	r/min	3000		3000	
Max. Speed	r/min	5000		5000	
Rotor Inertia (Brake)	kg·cm²	0.232 (0.278)		0.426 (0.511)	
Torque Coefficient	N·m/A	0.169	0.28	0.181	0.460
Mass (Brake)	kg	1.1 (1.5)		1.5 (1.9)	
Encoder Option*1	16-Bit Single-Turn Absolute (65,536 ppr), 32-Bit Multi-Turn Battery, 32-bit Multi-Turn Battery-Less, Low Profile				
Ratings	Time Rating: Continuous Thermal Class: F Excitation Method: Permanent Magnet Insulation Resistance: DC500V, >20MΩ Noise: ≤60dB; No Special Noise				
Environment	Ambient Temperature: 0~40 °C Storage: -20~50°C Ambient Humidity: 20~80% No Condensation				
Enclosure	IP65				
Shock	98m/s2 Max. (10G)				
Applicable Servo Drive		DYN2 - T1	DYN4 - L01	DYN2 - T1	DYN4 - L01

Note: 1. Standard encoder option is ABS-16-00 Single-Turn absolute magnetic encoder.

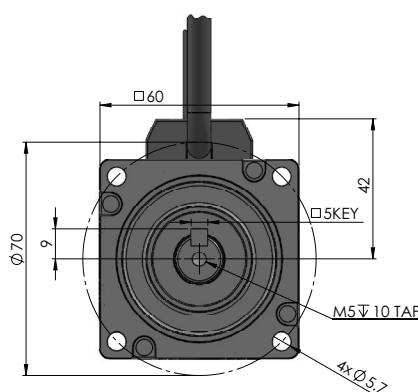
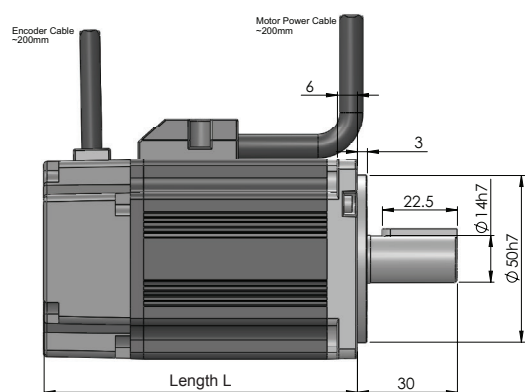
2. Rated torque measured as continuous allowable current at 40°C with 6mmx□200mm aluminum heat sink.

• Torque-Speed Curve



• Dimension [mm]

620-DST, 640-DST - 200W,400W - 60mm Frame



Model	Length L
620-DST	94
620-DST Brake	141
640-DST	122
640-DST Brake	169