

Consolidated Specifications

405-DST, 410-DST

50W

100W

□40mm

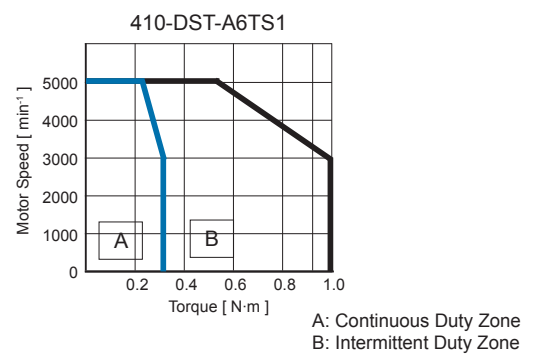
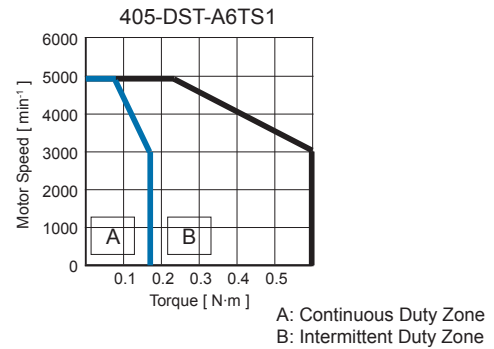
• Specification

Motor Model □□□-DST		405		410	
Rated Voltage	V	60V	200V	60V	200V
Rated Output	kW	0.05		0.1	
Rated Torque*2	N·m	0.16		0.318	
Instantaneous Max. Torque	N·m	0.48		0.955	
Rated Current	A	2.0	0.61	3.0	0.84
Max. Current	A	6.0	2.1	9.0	2.9
Rated Speed	r/min	3000		3000	
Max. Speed	r/min	5000		5000	
Rotor Inertia (Brake)	kg·cm ²	0.036 (0.044)		0.063 (0.076)	
Torque Coefficient	N·m/A	0.08	0.228	0.106	0.331
Mass (Brake)	kg	0.38 (0.50)		0.45 (0.7)	
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.

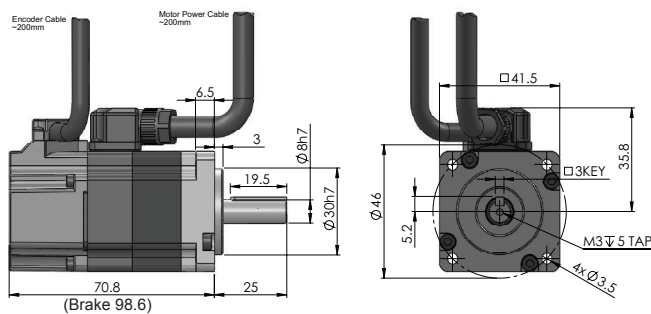
2. Rated torque measured as continuous allowable current at 40°C with 6mmx□200mm aluminum heat sink.

• Torque-Speed Curve



• Dimension [mm]

405-DST - 50W - □40mm Frame



410-DST - 100W - □40mm Frame

