

Consolidated Specifications 57N-DHT

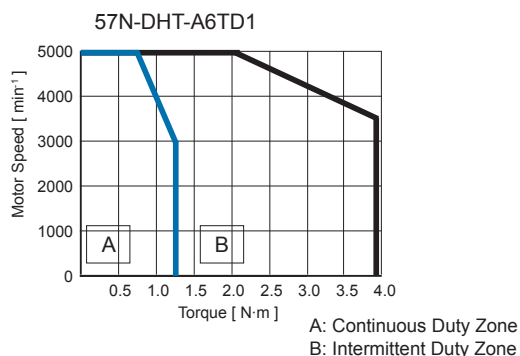
0.40kW
NEMA23

• Specification

Motor Model		57N-DHT
Rated Output	kW	0.40
Rated Speed	min ⁻¹	3,000
Maximum Speed	min ⁻¹	5,000
Rated Torque ³	N•m	1.27
Peak Torque	N•m	3.82
Voltage Class	V	60
Rated Current ³	Arms	8.4
Peak Current	Arms	21.0
Rotor Moment of Inertia (Brake)	kg•cm ²	0.426 (0.479)
Torque Constant	N•m/Arms	0.182
Frame Size		57mm NEMA23
Shaft Length	mm	21
Shaft Diameter	mm	6.35 (1/4")
Mass (Brake)	kg	1.2 (1.6)
Ingress Protection		IP65
Insulation		Class F
Environment	Temperature	0~40°C Ambient temperature -20~50°C Storage
	Humidity	85% Max. humidity. no condensation

Note: 1. Standard encoder option is ABS-16-00 Single-Turn absolute magnetic encoder.
 2. When paired with the DYN2 servo drive, the peak speed of the 86M and 86N motor depends on the voltage input. For example, at 48VDC input, the motor's peak speed is approximately 1200rpm.
 3. Rated torque measured as continuous allowable current at 40°C with 6mmx□200mm aluminum heat sink.

• Torque-Speed Curve



• Dimension [mm]

