

Consolidated Specifications 86M-DHT, 86N-DHT

0.75kW

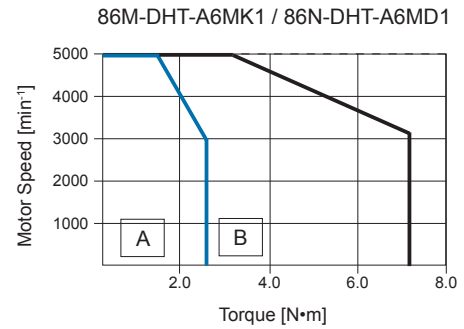
86mm

NEMA34

• Specification

Motor Model		86M-DHT	86N-DHT
Rated Output	kW	0.75	0.75
Rated Speed	min ⁻¹	3,000	3,000
Maximum Speed	min ⁻¹	5,000 ²	5,000 ²
Rated Torque ³	N•m	2.4	2.4
Peak Torque	N•m	7.2	7.2
Voltage Class	V	150	150
Rated Current ³	Arms	7.2	7.2
Peak Current	Arms	21.5	21.5 </td
Rotor Moment of Inertia (Brake)	kg•cm ²	2.45 (2.94)	2.45 (2.94)
Torque Constant	N•m/Arms	0.335	0.335
Frame Size		86mm NEMA34 (Metric)	86mm NEMA34
Shaft Length	mm	45	37
Shaft Diameter	mm	14	12.7 (1/2")
Mass (Brake)	kg	3.1 (3.6)	3.1 (3.6)
Ingress Protection		IP65	IP65
Insulation		Class F	
Environment	Temperature	0~40°C Ambient temperature -20~50°C Storage	
	Humidity	85% Max. humidity. no condensation	

• Torque-Speed Curve

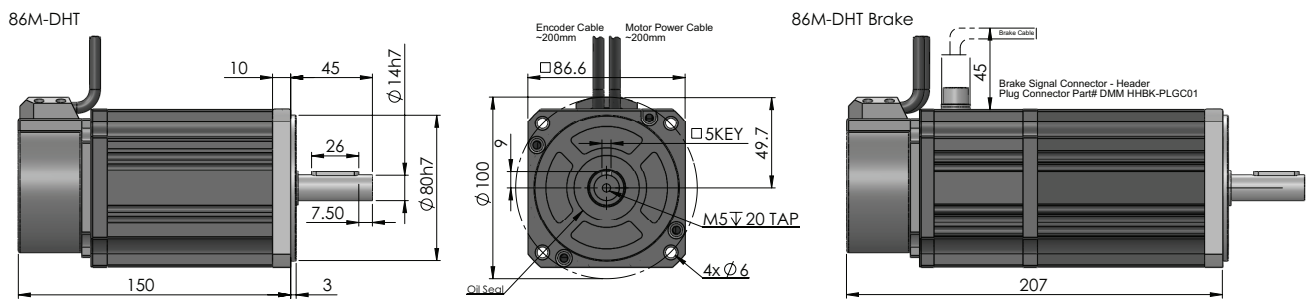


A: Continuous Duty Zone
B: Intermittent Duty Zone

- 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 6mmx200mm aluminum heat sink.

• Dimension [mm]

86M - 750W - 86mm



86N - 750W - NEMA34

