

Consolidated Specifications

A15-DHT

1.3kW

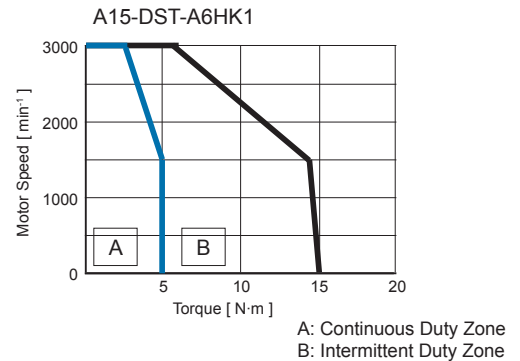
NEMA42

• Specification

Motor Model		A15-DHT
Rated Output	kW	1.3
Rated Speed	min ⁻¹	1,500
Maximum Speed	min ⁻¹	3,000
Rated Torque ³	N•m	4.98
Peak Torque	N•m	15
Voltage Class	V	200
Rated Current ³	Arms	6.0
Peak Current	Arms	18.0
Rotor Moment of Inertia (Brake)	kg•cm ²	6.3 (7.56)
Torque Constant	N•m/Arms	0.833
Frame Size		110mm NEMA42
Shaft Length	mm	64
Shaft Diameter	mm	15.87 (5/8")
Mass (Brake)	kg	6.7 (8.0)
Ingress Protection		IP65
Insulation		Class F
Environment	Temperature	0~40°C Ambient temperature -20~50°C Storage
	Humidity	85% Max. humidity. no condensation

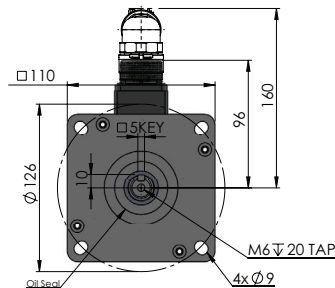
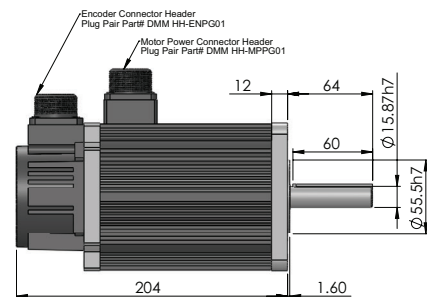
- Note: 1. Standard encoder option is ABS-16-00 Single-Turn absolute magnetic encoder.
 2. When paired with the DYN2 servo drive, the peak speed of the 86M and 86N motor depends on the voltage input. For example, at 48VDC input, the motor's peak speed is approximately 1200rpm.
 3. Rated torque measured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

• Torque-Speed Curve

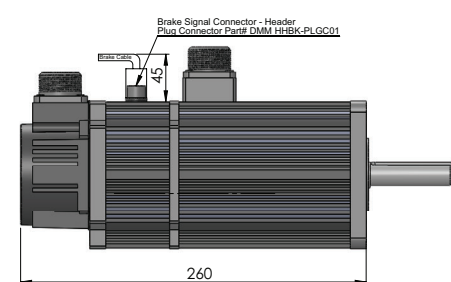


• Dimension [mm]

A15-DHT



A15-DHT Brake



A15-DHT Connector Dimensions

