

MOTOR OVERVIEW

- AltusOne frameless BLDC torque motor
- 137 mm stator OD
- 17 mm stack length
- 5.028 Nm rated torque
- 9.942 Nm peak torque
- 296 RPM rated speed
- 156 W rated power
- 120 VDC bus voltage

FEATURES

- Highly Integrated
- High Torque
- High Efficiency
- Optional Hall Sensors

OPTIONS

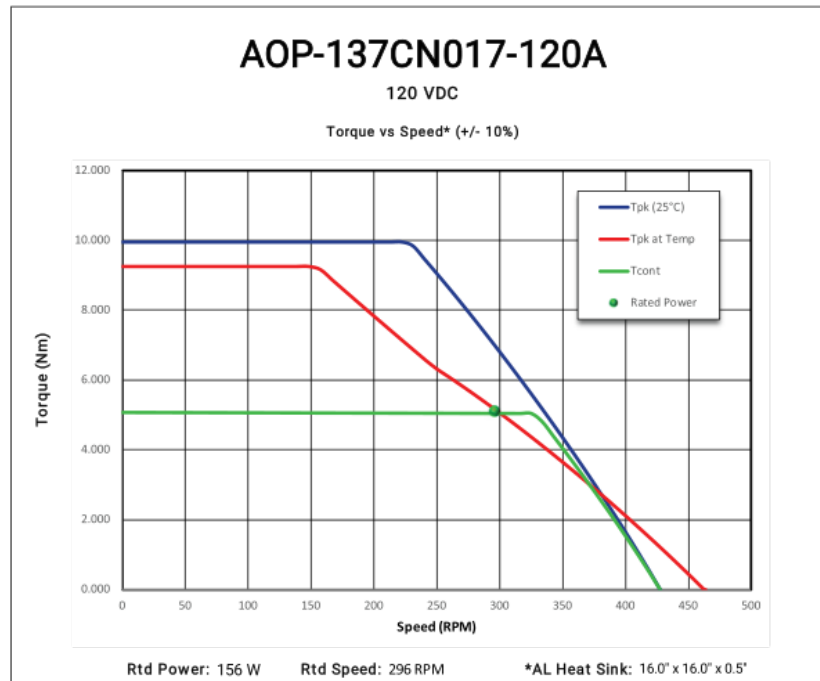
- Customized leads and connectors
- Redundant winding

Many more customizations are available upon request.

MOTOR SPECIFICATIONS

Part number	AOP-137CN017-120A	Stator OD	137 mm
Rotor ID	81 mm	Stack length	17 mm
Bus voltage	120 VDC	Rated speed	296 RPM
Rated torque	5.028 Nm	Peak torque	9.942 Nm
Max continuous torque	5.066 Nm	Rated power	156 W
Max continuous current	1.78 Arms	Peak current	3.56 Arms
Resistance	12 Ohm	Inductance	26 mH
Back EMF	280 Vpk/kRPM	Torque constant	2.847 Nm/Arms
Commutation	sine	Poles	20
Weight	1.121 kg	Ambient temperature	25 C
Winding temperature	155 C	Heat sink	16.0" x 16.0" x 0.5"
No-load comm. frequency	71 Hz	Motor constant	0.772 Nm/sqrt(W)

PERFORMANCE CURVE



MOTOR DIMENSIONS

