

MOTOR OVERVIEW

- AltusOne frameless BLDC torque motor
- 127 mm stator OD
- 7.1 mm stack length
- 1.44 Nm rated torque
- 3 Nm peak torque
- 613 RPM rated speed
- 92 W rated power
- 96 VDC bus voltage

FEATURES

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

OPTIONS

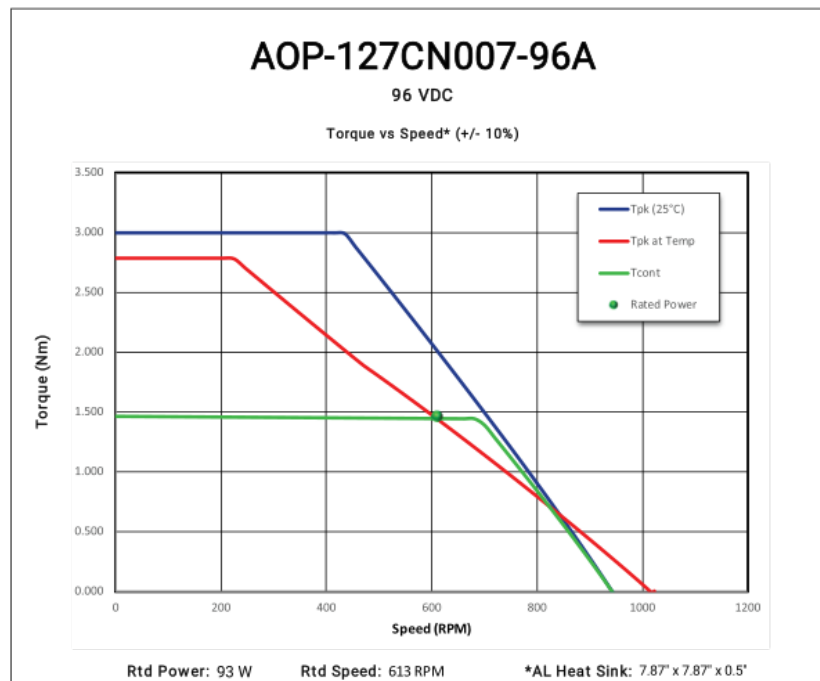
- Customized leads and connectors
- Redundant winding

Many more customizations are available upon request.

MOTOR SPECIFICATIONS

Part number	AOP-127CN007-96A	Stator OD	127 mm
Rotor ID	55 mm	Stack length	7.1 mm
Bus voltage	96 VDC	Rated speed	613 RPM
Rated torque	1.44 Nm	Peak torque	3 Nm
Max continuous torque	1.462 Nm	Rated power	92 W
Max continuous current	1.4 Arms	Peak current	2.795 Arms
Resistance	14.5 Ohm	Inductance	12.6 mH
Back EMF	101.54 Vpk/kRPM	Torque constant	1.044 Nm/Arms
Commutation	sine	Poles	20
Weight	0.341 kg	Ambient temperature	25 C
Winding temperature	155 C	Heat sink	7.87" x 7.87" x 0.5"
No-load comm. frequency	158 Hz	Motor constant	0.255 Nm/sqrt(W)

PERFORMANCE CURVE



MOTOR DIMENSIONS

