

MOTOR OVERVIEW

- AltusOne frameless BLDC torque motor
- 40 mm stator OD
- 25 mm stack length
- 0.217 Nm rated torque
- 0.45 Nm peak torque
- 3605 RPM rated speed
- 82 W rated power
- 18 VDC bus voltage

FEATURES

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

OPTIONS

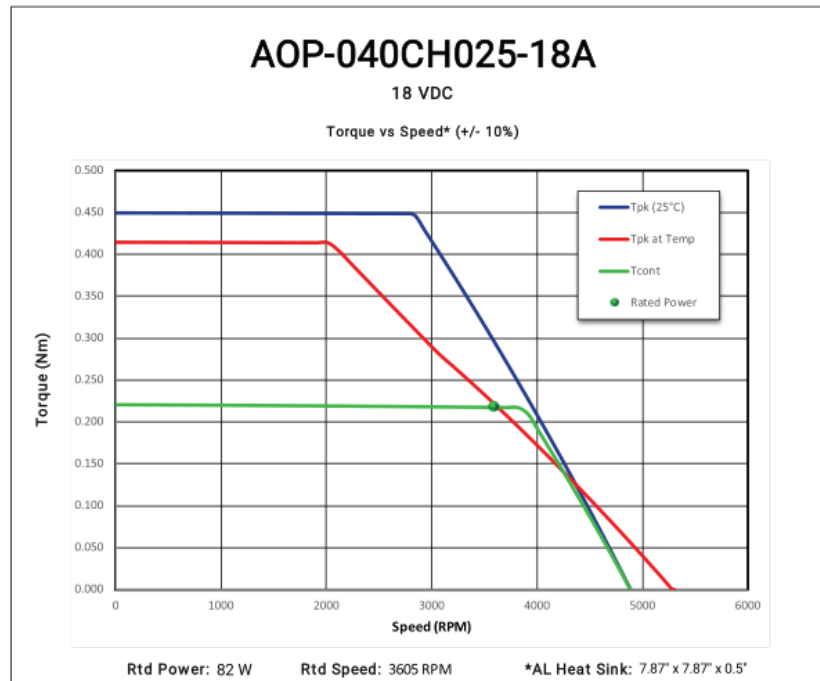
- Customized leads and connectors
- Redundant winding

Many more customizations are available upon request.

MOTOR SPECIFICATIONS

Part number	AOP-040CH025-18A	Stator OD	40 mm
Rotor ID	11 mm	Stack length	25 mm
Bus voltage	18 VDC	Rated speed	3605 RPM
Rated torque	0.217 Nm	Peak torque	0.45 Nm
Max continuous torque	0.221 Nm	Rated power	82 W
Max continuous current	5.82 Arms	Peak current	11.64 Arms
Resistance	0.51 Ohm	Inductance	0.25 mH
Back EMF	3.68 Vpk/kRPM	Torque constant	0.038 Nm/Arms
Commutation	sine	Poles	6
Weight	0.188 kg	Ambient temperature	25 C
Winding temperature	155 C	Heat sink	7.87" x 7.87" x 0.5"
No-load comm. frequency	245 Hz	Motor constant	0.049 Nm/sqrt(W)

PERFORMANCE CURVE



MOTOR DIMENSIONS

