



MOTOR OVERVIEW

- AltusPro frameless BLDC torque motor
- 50 mm stator OD
- 12.7 mm stack length
- 0.387 Nm rated torque
- 0.887 Nm peak torque
- 3209 RPM rated speed
- 130 W rated power
- 48 VDC bus voltage

FEATURES

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

OPTIONS

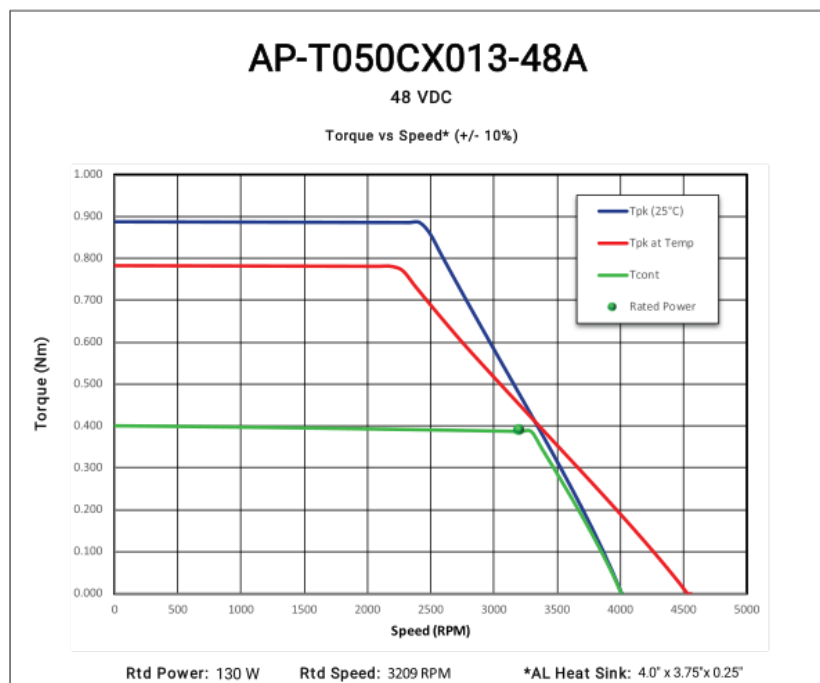
- Customized leads and connectors
- Redundant winding

Many more customizations are available upon request.

MOTOR SPECIFICATIONS

Part number	AP-T050CH013-48A	Stator OD	50 mm
Rotor ID	24.74 mm	Stack length	12.7 mm
Bus voltage	48 VDC	Rated speed	3209 RPM
Rated torque	0.387 Nm	Peak torque	0.887 Nm
Max continuous torque	0.401 Nm	Rated power	130 W
Max continuous current	3.26 Arms	Peak current	6.62 Arms
Resistance	1.752 Ohm	Inductance	1.241 mH
Back EMF	11.96 Vpk/kRPM	Torque constant	0.123 Nm/Arms
Commutation	sine	Poles	14
Weight	0.136 kg	Ambient temperature	25 C
Winding temperature	155 C	Heat sink	4.0" x 3.75" x 0.25"
No-load comm. frequency	468 Hz	Motor constant	0.086 Nm/sqrt(W)

PERFORMANCE CURVE



MOTOR DIMENSIONS

