

MOTOR OVERVIEW

- AltusUltra frameless BLDC torque motor
- 85 mm stator OD
- 26 mm stack length
- 3.305 Nm rated torque
- 8.957 Nm peak torque
- 596 RPM rated speed
- 206 W rated power
- 48 VDC bus voltage

FEATURES

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

OPTIONS

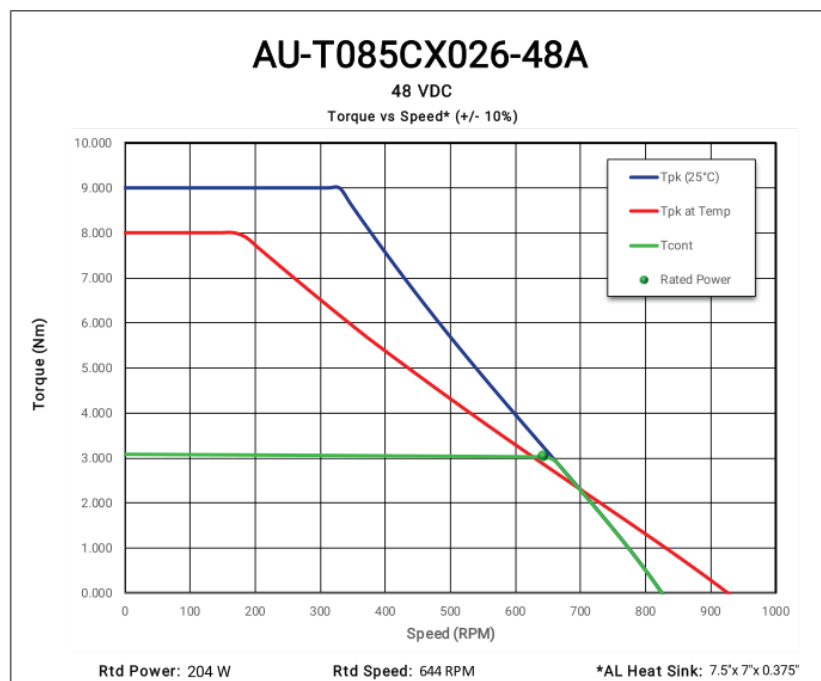
- Customized leads and connectors
- Redundant winding

Many more customizations are available upon request.

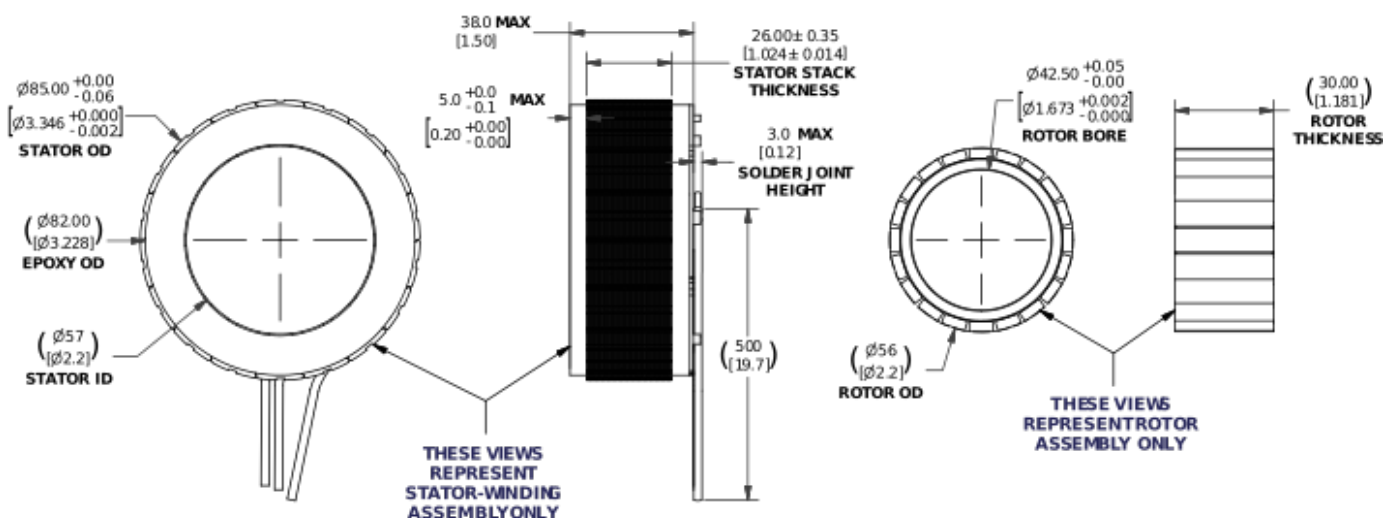
MOTOR SPECIFICATIONS

Part number	AU-T085CH026-48A	Stator OD	85 mm
Rotor ID	42.5 mm	Stack length	26 mm
Bus voltage	48 VDC	Rated speed	596 RPM
Rated torque	3.305 Nm	Peak torque	8.957 Nm
Max continuous torque	3.358 Nm	Rated power	206 W
Max continuous current	5.63 Arms	Peak current	15.92 Arms
Resistance	1.3 Ohm	Inductance	2.36 mH
Back EMF	58.124 Vpk/kRPM	Torque constant	0.596 Nm/Arms
Commutation	sine	Poles	20
Weight	0.72 kg	Ambient temperature	25 C
Winding temperature	155 C	Heat sink	7.5"x 7"x 0.375"
No-load comm. frequency	138 Hz	Motor constant	0.487 Nm/sqrt(W)

PERFORMANCE CURVE



MOTOR DIMENSIONS



WIRING COLOR CODE	
FUNCTION	COLOR
PHASE A	RED
PHASE B	BLACK
PHASE C	WHITE