



### MOTOR OVERVIEW

- AltusPro frameless BLDC torque motor
- 50 mm stator OD
- 8.2 mm stack length
- 0.256 Nm rated torque
- 0.599 Nm peak torque
- 4869 RPM rated speed
- 131 W rated power
- 48 VDC bus voltage

### FEATURES

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

### OPTIONS

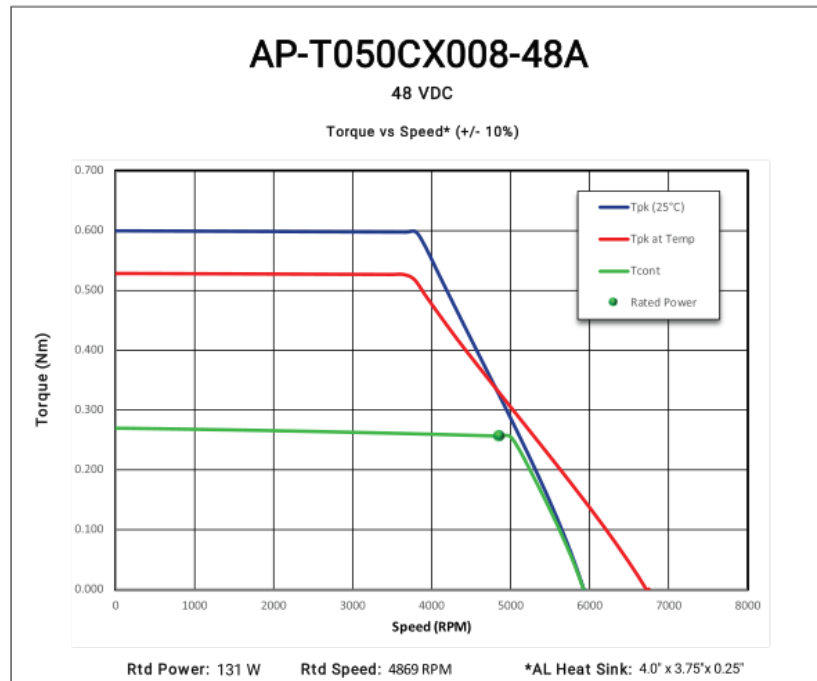
- Customized leads and connectors
- Redundant winding

Many more customizations are available upon request.

### MOTOR SPECIFICATIONS

|                         |                  |                     |                      |
|-------------------------|------------------|---------------------|----------------------|
| Part number             | AP-T050CH008-48A | Stator OD           | 50 mm                |
| Rotor ID                | 24.74 mm         | Stack length        | 8.2 mm               |
| Bus voltage             | 48 VDC           | Rated speed         | 4869 RPM             |
| Rated torque            | 0.256 Nm         | Peak torque         | 0.599 Nm             |
| Max continuous torque   | 0.27 Nm          | Rated power         | 131 W                |
| Max continuous current  | 3.25 Arms        | Peak current        | 6.62 Arms            |
| Resistance              | 1.439 Ohm        | Inductance          | 0.854 mH             |
| Back EMF                | 8.073 Vpk/kRPM   | Torque constant     | 0.083 Nm/Arms        |
| Commutation             | sine             | Poles               | 14                   |
| Weight                  | 0.098 kg         | Ambient temperature | 25 C                 |
| Winding temperature     | 155 C            | Heat sink           | 4.0" x 3.75" x 0.25" |
| No-load comm. frequency | 694 Hz           | Motor constant      | 0.064 Nm/sqrt(W)     |

## PERFORMANCE CURVE



## MOTOR DIMENSIONS

