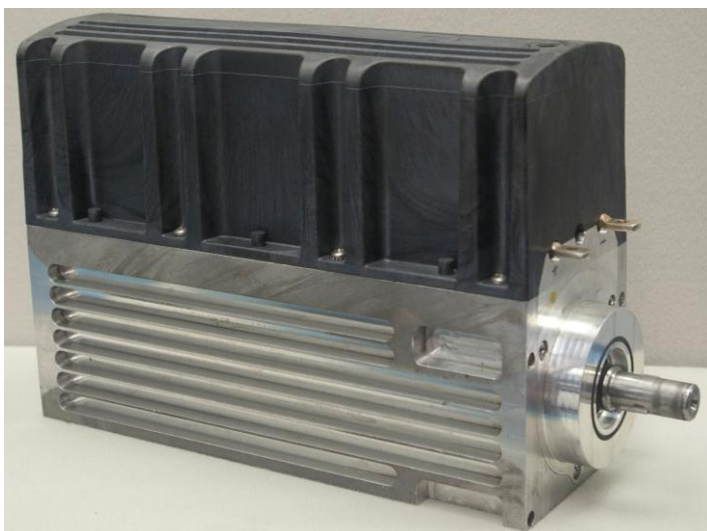




## BLDA-030B MOTOR

### A POWERFUL NEW PATENTED THREE STATOR MOTOR

The **BLDA-030B** series is a family of compact Brushless DC motors intended for tough applications. The motor is a three stator design, water cooled with over molded stators, integral electronic driver and DSP controller. **CMI** proprietary clad metals, made in house and used for electronic substrates and electronic enclosure achieve maximum thermal transfer. Custom stator design and special winding equipment also made in house, result in high density slot fill. RS-485 and CAN bus communication interfaces allow operation of the motor via PC, PLC or an external CMI DSP control module. A variety of software configurations are available to suit most applications, including servo positioning and multi motor networking. These motors can withstand very harsh environments, saltwater, many chemicals and high temperatures. They produce high power for their size, up to 12HP. Operating voltages range from 24vdc to 48vdc.



#### FEATURES:

- Compact pseudo NEMA 42 size includes motor, and driver; weighs 22 lbs.
- DIP switch addressable.
- IP 65 enclosure withstands harsh environments, saltwater spray.
- Reliable operation from -20°C to 100°C, device temperature.
- Peak power ratings up to 8500W (when water cooled).
- An optional air cooled version is available, current limited to 100 amp
- Water cooled versions can operate continuously at 200amps.
- Available in servo configuration with addition of position feedback and additional software.
- Mil- Spec 810 compliant

#### APPLICATIONS:

- Industrial/Automation
  - Motion control, linear, rotary movement of fixtures, tools and product
  - Conveyers
  - Electric cylinder/actuators
  - Pumps
- Personal Transportation
  - Carts
  - ATVs
- Military
  - Mission specific vehicles
  - Remote guided vehicles
  - Quiet vehicles
- Marine
  - Inboard drives
  - Bow Thrusters
  - Wench/hoist drives