

CONTROLLER DATA SHEET

MCX130



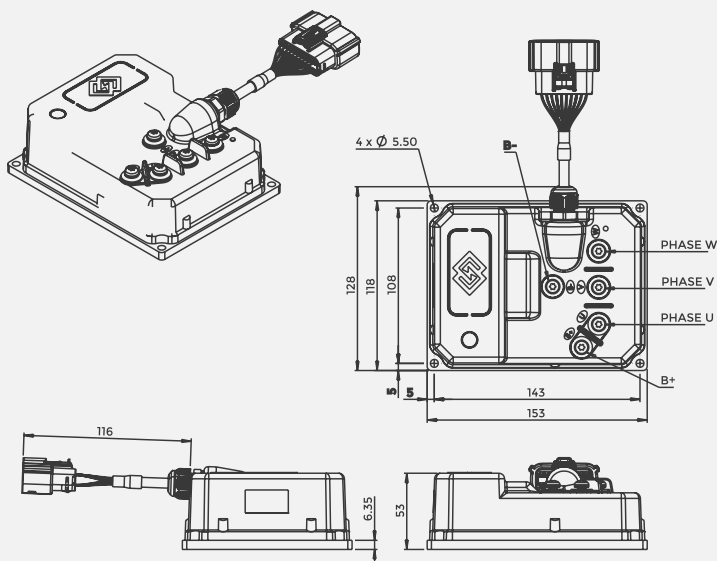
An innovator in magnetics and power efficiency. Our patented technology delivers advanced electric motors, power controllers and inverters to the Off-Highway sector.

Developed from over 15 years of research and expertise, our technology answers the unmet need for a market leading, efficient and inexpensive electric drive system alternative to traditional internal combustion engines and some existing electric motors.

Our game-changing electric motor topology offers advanced efficiency, high performance and a cost-effective solution removing reliance on hydrocarbon fuel sources and rare-earth magnets whilst minimising manufacturing processes.

Multiple applications

- Material handling
- Windmill
- Aerial work platform
- GSE & tow tractor
- E-vehicle & golf car
- Cleaning machine
- Hybrid
- Agriculture



System specification

Minimal control electronics voltage
12V

Input/output voltage range
0-85V nominal

Maximum current
130A

Peak power
7.5kW

Control of motor types
3 Phase PM BLDC & DC motors

Communication
CAN (CANopen or J1939)

Maximum commutation frequency
8kHz

Control motor
Torque limit (Nm), speed control (rpm)

Connector type
Customer dependent

Operating temperature
-40°C to +55°C

IP rating
IP65-67

Weight
925g