



**ELIMEN**  
GROUP

COMPANY: ELIMEN RACING SP Z O.O.

STATUS: IN USE

# Project/Product name:

**BLDC 160mm series: 11-15kW Motor family**

## Summary:

- Rated for EV conversion projects
- Up to 11-15kW continuous for light vehicles and boats
- Up to 30kW peak power
- Liquid cooled (fresh and salt water ready as option)
- Built in temperature sensor
- Diameter 160mm
- Up to 8000 RPM testing conditions



	72V DC *	96V DC **	120V DC ***
Max RPM	4800 (other optional)	6200 (other optional)	4000 (other optional)
Continuous Power (VDC limited)	11kW	14,6kW	15kW
Continuous torque	21Nm	23Nm	23Nm
Peak torque / 30 sec (cooling limited)	49-55Nm	49-55Nm	49-50Nm
Max stator temperature	90 Celsius (other optional)	90 Celsius (other optional)	90 Celsius (other optional)

\* Max controllers voltage 96 V DC

\*\* Max controllers coltage 120 V DC

\*\*\* Max controllers voltage 180 V DC

## Basic electric diagram:

- 3 phases wires
- 5 line encoder wire
- 2 line thermal sensor wire

