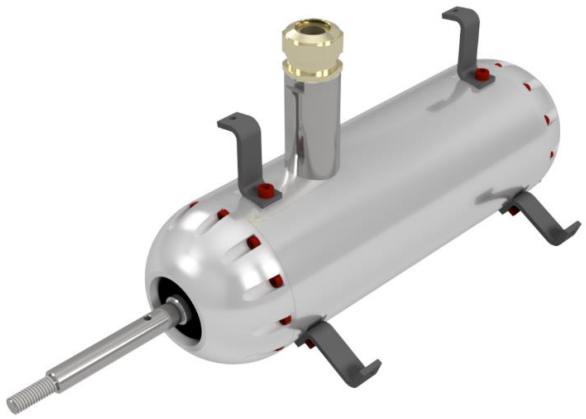
E-Mobility Solutions for Small Leisure Electric Boats

Your gateaway to zero emission



Among the key components of an EV, the electric motor plays a critical role in determining its performance and efficiency. In recent years, Permanent Magnet Synchronous Motors (PMSM) and their controllers have emerged as the preferred choice for e-mobility applications.

Radial and axial flux PMSM motors are the ideal choice for e-mobility applications because of their high efficiency, power density, variable speed capability, and low maintenance requirements. They are also compatible with a wide range of battery technologies, which makes them flexible and adaptable to different types of EVs.

Maximum Values of 5 C 08 06 007 M			
Max. Supply Voltage	24 V. DC	Maximum Torque	5,4 Nm.
Maximum Speed	2400 rpm	Maximum Current	81 A.

Motor Specs		
Nominal Speed	1.250	rpm
Nominal Torque	2,8	Nm.
Nominal Current	41	A.
Nominal Power	0,37	kW.
Peak Power	0,56	kW.
Supply Voltage	12	V. DC
Efficiency	88	%
Number of Phase	3	
Voltage Constant	8,0	V / krpm
Torque Constant	0,07	Nm./A.
Resistance	0,049	ohm
Inductance	0,074	mH.
Number of Poles	8	

- ***Submersible***
- ***IP67 Protection***
- ***Passive Water Cooling***
- ***Hall Sensor Feedback***
- ***Mechanic Interface***

Motor Controllers are available on request