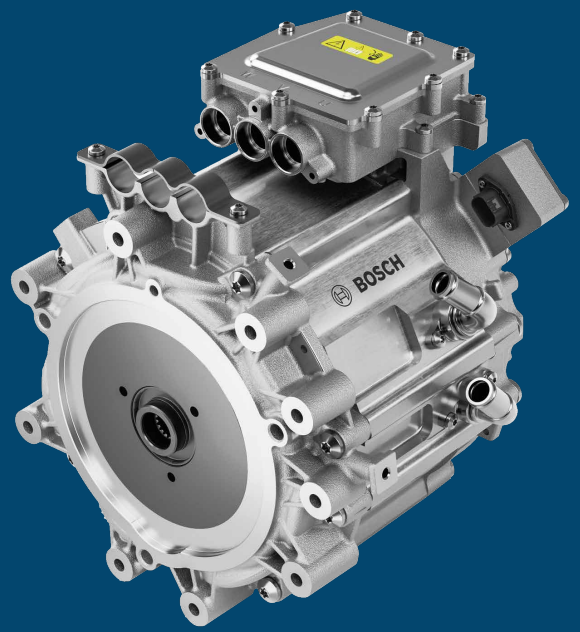
Energy

Electric drive for recreational and working boats

New SMG 230/132 generation for higher voltages up to 800 V.



High reliability

Based on commercial vehicle production technology

800 V voltage level

Maximum power density with minimal losses

- The SMG 230 delivers up to 80 kilowatts more power than a comparable 400-volt machine with identical weight or, with the same level of performance, boasts more compact dimensions and a much lower weight.
- The development is based on Bosch volume-production applications in the commercial vehicle sector and therefore ensures utmost reliability in mobile machinery and marine applications.
- In combination with the matching inverter INV 4 OHW, the electric motor meets all the requirements of the Low Voltage and Recreational Craft Directives.

TECHNICAL DATA	
Torque peak[1]/cont.[1]	550/284 Nm
Power peak[1]/cont.[1]	360/200 kW
Speed	12.000 rpm
Voltage HV	< 850 V
Voltage LV	12 and 24 V
Dimensions	⌀ 345 × 283 mm
Weight	60 kg
Cooling	Water glycol 10 l/min



1. $T_{Coolant}$ 40 °C; Power/torque at 800 V DC – continuous, peak ≙ 30 s

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