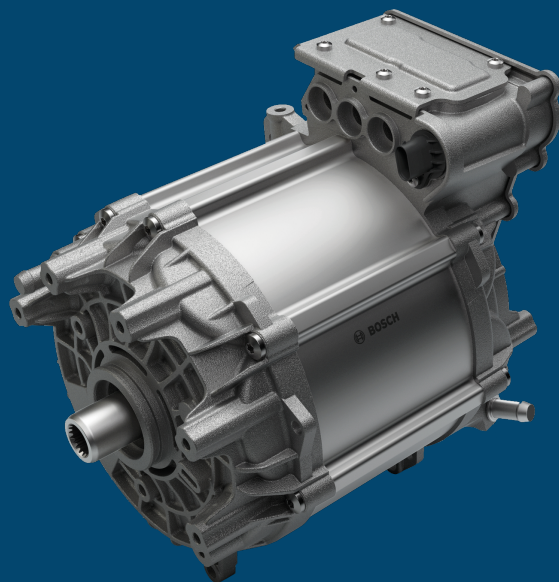




Energy

Separater Motor-Generator SMG220

Elektrischer Motor für den Antrieb
von Sport- und Arbeitsbooten



Compact and powerful

alternative for mechanical and hydraulic systems

Reliable

Developed and tested for automotive high volume series

State-of-the-art

technology for mobile machinery

- Permanent magnet water-cooled synchronous motor with high speed and highest power density
- 400 V standard offers maximum flexibility in the equipment of the electrified machines
- The combination with inverters and gear units from Bosch enables customized system solutions from a single source

1. T_{Coolant} 45 °C; Power/torque at 400 V DC – continuous, peak ± 10 s

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TECHNICAL DATA

Nominal power	¹	120 kW
Maximum power	¹	140 kW
Nominal torque	¹	200 Nm
Maximum torque	¹	350 Nm
Maximum speed		15 000 rpm
Voltage		< 425 V _{DC}
Shaft		DIN 5480-N 25 x 1,25 x 18 x 19H
Bolt hole diameter		223 mm
Length		355 mm
Weight		63 kg
Protection class		IP67, IP6k9k
Cooling		Water-glycol-mixture Si-OAT 50:50, 8 l/min
Ambient temperature		-40...+85°C
CE conformity		Low voltage directive 2014/35/EU & RoHS 2011/65/EU

