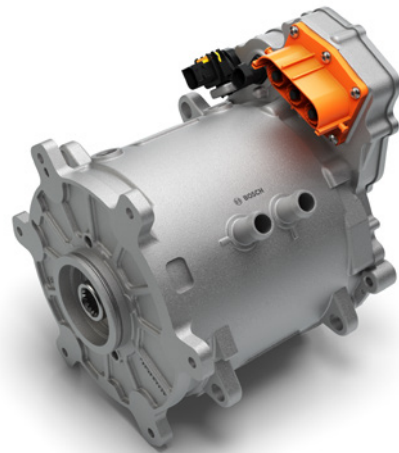


Separate motor-generator SMG180 OHW

Electric motor for applications in mobile machinery

For emission-free driving and precise working in mobile machinery



- ▶ Permanent magnet water-cooled synchronous motor with high speed and highest power density
- ▶ 400V 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.

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

TECHNICAL CHARACTERISTICS

Nominal power	60 kW
Maximum power	90 kW
Nominal torque	95 Nm
Maximum torque	200 Nm
Maximum speed	12,800 rpm
Voltage	up to 430 V _{DC}
Shaft	DIN 5480-N 26×1.25×18×9H
Bolt hole diameter	245 mm
Length	239 mm
Weight	30 kg
Protection class	IP67, IP6k9k
Cooling	Water-glycol mixture Si-OAT 50:50, 6–8l/min
Ambient temperature	–40 ... +85°C
CE conformity	Low Voltage Directive 2014/35/EU RoHS 2011/65/EU