

Separate motor-generator SMG220 OHW

Electric motor for applications in mobile machinery

For emission-free driving and precise working in off-highway applications



even more
performance

for maximum traction and productivity

reliable

Developed and tested for automotive high volume series

benchmark

in efficiency and economy

- ▶ 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.

TECHNICAL CHARACTERISTICS

Nominal power	120 kW
Maximum power	140 kW
Nominal torque	200 Nm
Maximum torque	350 Nm
Maximum speed	15,500 rpm
Voltage	430 V _{DC}
Shaft	DIN 5480-N 26×1.25×19×9H
Bolt hole diameter	223 mm
Length	355 mm
Weight	60 kg
Protection class	IP67, IP6k9k
Cooling	Water-glycol mixture Si-OAT 50:50, 8l/min
Ambient temperature	-40 ... +85°C
CE conformity	Low Voltage Directive 2014/35/EU RoHS 2011/65/EU