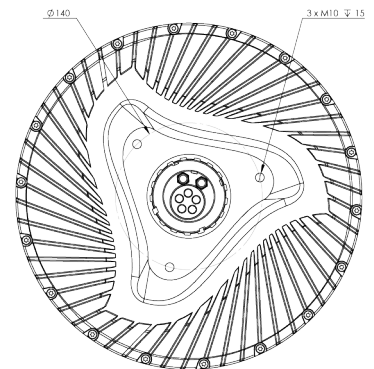
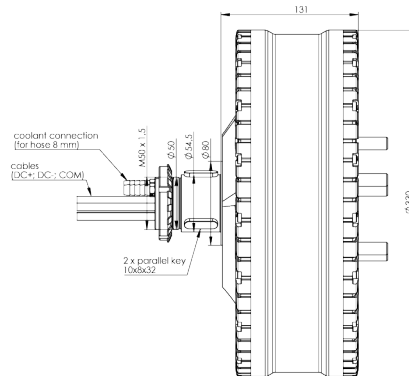


GEM in-wheel drive

Synchronous GEM® in-wheel multiphase electric motor with permanent magnets and integrated controller.

Type G3



	Standard	Custom
Nominal power	15 kW	10 ~ 17 kW
Nominal torque	370 Nm	280 ~ 450 Nm
Peak power (20 sec)	20 kW	15 ~ 25 kW
Peak torque (20 sec)	500 Nm	400 ~ 700 Nm
Max. speed	1000 rpm at 48 V	300 ~ 1500 rpm
Battery-to-wheel system efficiency	up to 91%	up to 93%
Voltage	48 - 70 V	24 V ~ 75 V
Wheel rim	External 15" or bigger (5x114,3)	Integrated or standard 15" or bigger
Mounting	One side	Two sided
Cooling	Forced air	
Dimensions	Width 131 mm, diameter 330 mm	
Active motor weight	15 kg	
Total motor weight	27 kg	
Standard features	4Q operation, FOC speed and torque control, regenerative braking	
Motor controller	GEM® modular type, integrated	
Signal interface	CAN 2.0	
IP Protection	IP 67	
Temperature range	- 40 ~ 60 °C	
LEV Applications	Small and light vehicles, personal car, light cargo vehicle, commercial vehicles, automated vehicles, farm robots, etc.	

For more information please contact us at sales@gemmotors.si or call +386 (0)59 023 893.