DATASHEET

Electric Drive

ED-0002 | SMAC 200-070 motor + eFit96 FPC inverter

Components

Electric Motor



Inverter



Key Features

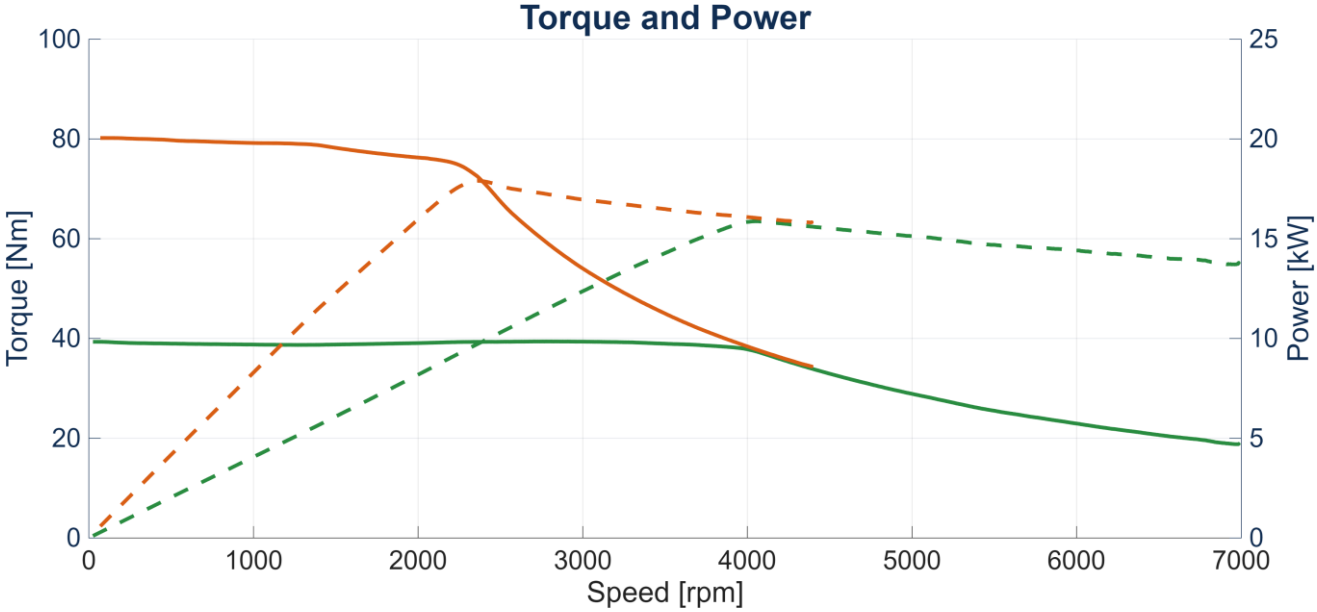
- Patented: Flux Polar Control Strategy
- Air cooling
- UNECE R85 certified
- L6e and L7e application

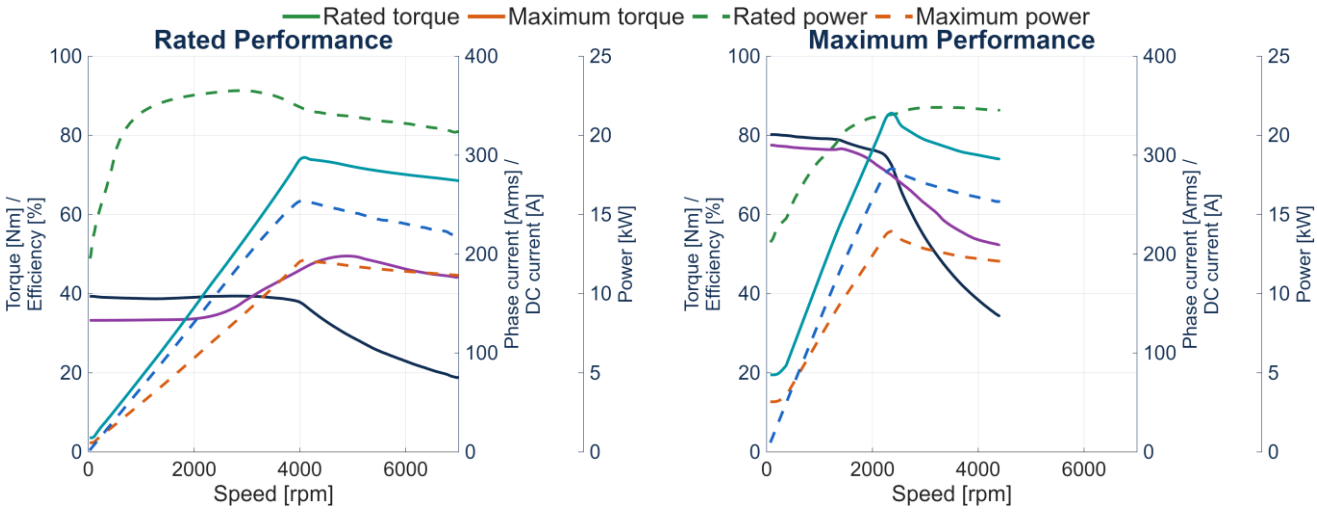
Reference weight: 26.4 kg

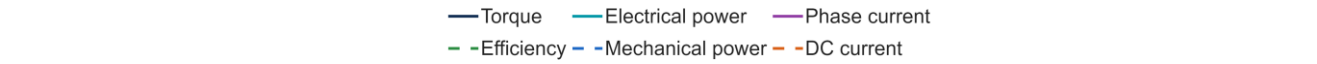
Technical Data

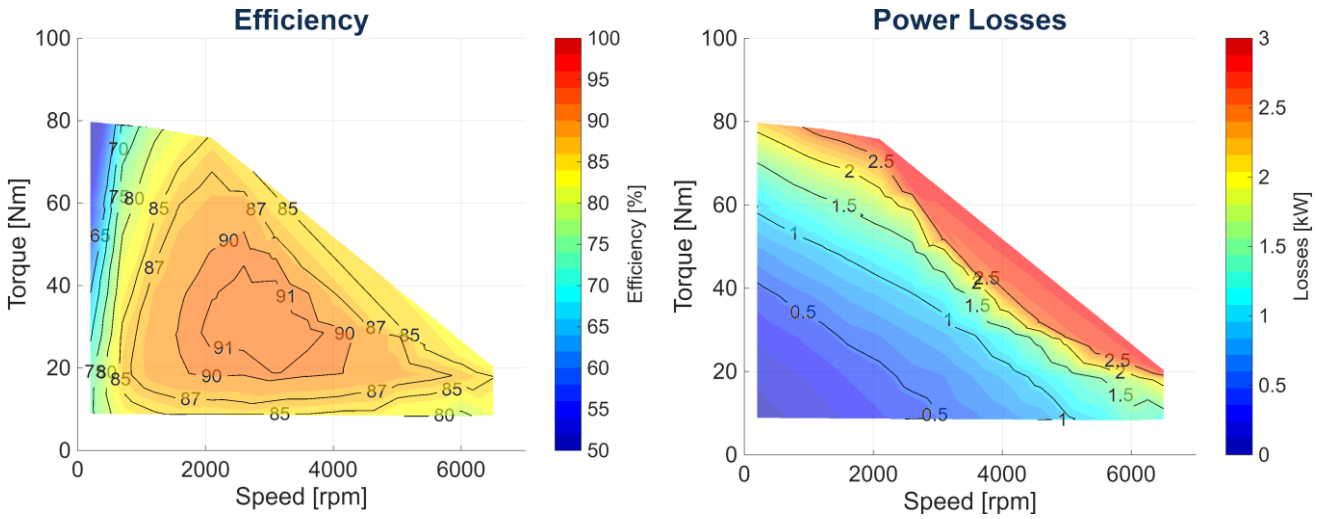
Electric Drive	
Power (rated S1 / maximum S2 120 s): 15.8 / 17.7 kW	
Torque (rated / maximum): 39 / 81 Nm	
Phase current (rated / maximum): 198 / 308 Arms	
Voltage (nominal / range): 96 V DC / 72–118 V DC	
Efficiency: 91.9%	
Protection degree: IP67	
Cooling: air	
Operating temperature range: –45 °C to +85 °C	
Electric Motor	**Inverter**
Model: SMAC 200-070	Model: SKAI 48 A3 MD 15-P3
Type: synchronous with internal permanent magnets	Protection: over-current, -voltage, -temperature
Speed: up to 7000 rpm	Communication: isolated CAN 2.0
Encoder: Sin/Cos interface	Active discharge (<50 V): <2 s
	On-board diagnostics: UDS – OBD2

Torque and Power

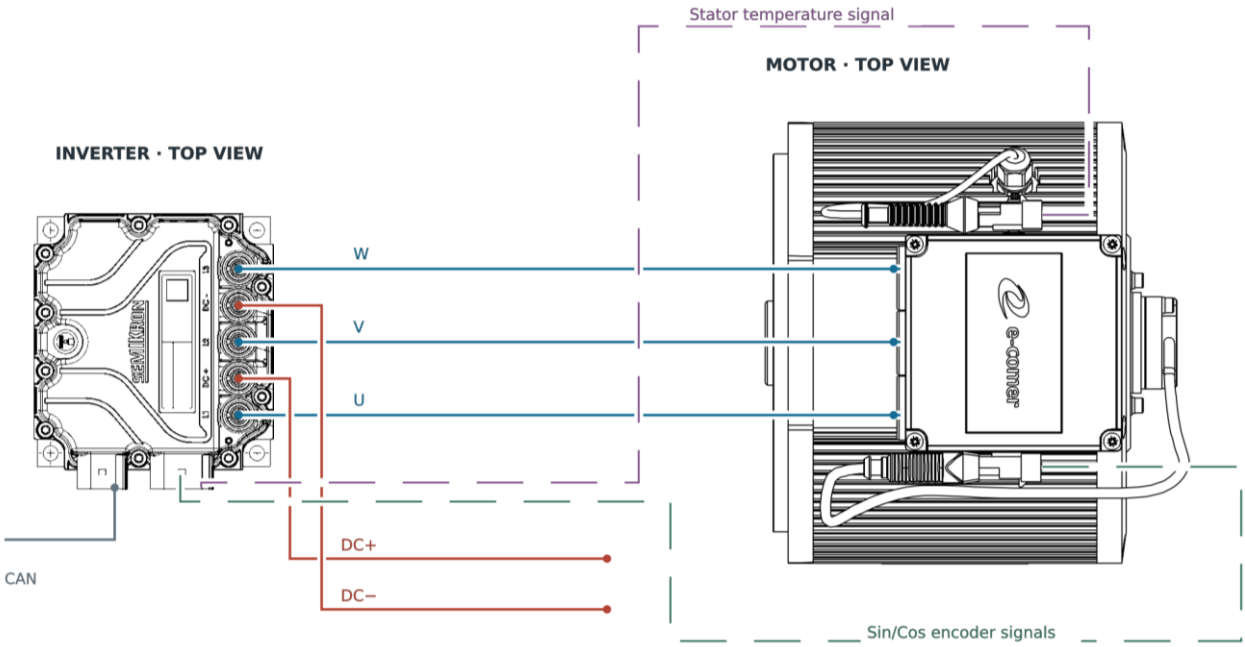






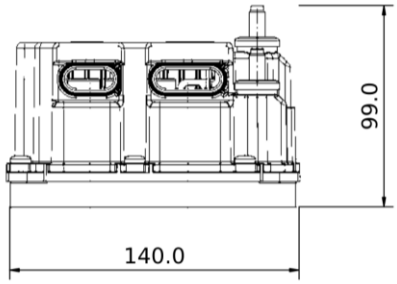


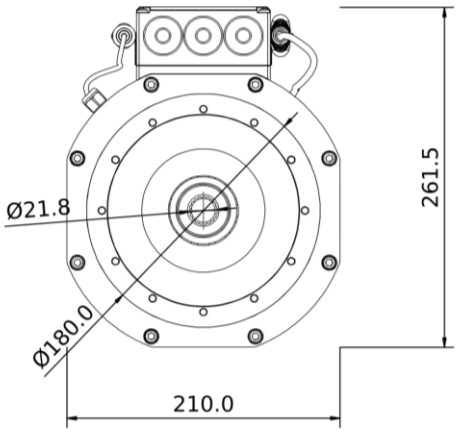
Envelope and Wiring Schematics



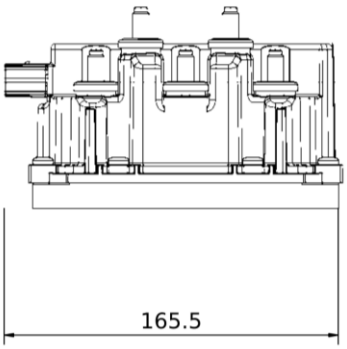
MOTOR · FRONT VIEW

INVERTER · FRONT VIEW

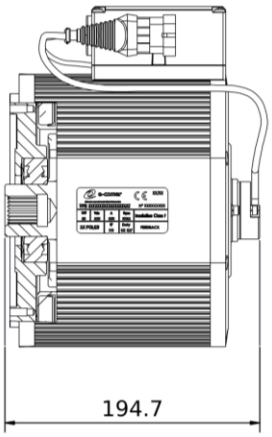




INVERTER · SIDE VIEW



MOTOR · SIDE VIEW



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