

Specifications HEC traction inverter type TI-4520

Operating voltage DC (V)	100...450
Voltage limit (V)	470
Max output current (A_{rms}) 1 min	280
Continuous output current @ 350 V DC, 10 kHz, U_{out} 245 V_{rms} , $\cos \phi$ 0.85 (A_{rms})	200
Switching frequency (kHz)	10
Max output frequency (Hz)	400
Powerstage	Semikron SEMIX IGBT module
Control Interface	2xCAN, 1xContactor, 5xDO (Relay), 4xDI, 2xPWM input
Motor signal interface	Encoder/Hall sensor, 2x temperature
Power supply control board (V)	8...30
Motor control algorithm	Space vector modulation, Field oriented control
Control & Communication	CAN
Weight (kg)	13.5
Dimensions LxWxH (mm) ¹	391 x 281 x 142
Cooling	Water-Glycol (8 L/min)
Degree of protection	IP65
Ambient Temperature (°C)	-25...70

¹ On request a 3D model is available as step file