

Specifications traction inverter type TI-9025

Operating voltage DC (V)	100...900
Voltage limit (V)	1000
Max output current (A_{rms}) 1 min	300
Continuous output current @ 700 V DC, 8 kHz, U_{out} 495 V_{rms} , $\cos \phi$ 0.85 (A_{rms})	250
Switching frequency (kHz)	8-10
Max output frequency (Hz)	400
Powerstage	Semikron SEMIX IGBT module
Signal Interface	23 pole
Power supply control board (V)	8...30
Motor control algorithm	Space vector modulation, Field oriented control
Communication	CAN
Weight (kg)	< 25
Dimensions LxWxH (mm) ¹	535 x 320 x 170 About 200 mm extra length for connectors
Cooling media	Water-Glycol (12 L/min)
Degree of protection	IP65
Ambient Temperature (°C)	-25...70

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