

Specifications HEC traction inverter type TI-4520

Available Q2 2013

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|---|---|
| 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) | 2...10 |
| Max output frequency (Hz) | 400 |
| Powerstage | Semikron SEMIX IGBT module |
| Signal Interface | 70 pole |
| Power supply control board (V) | 8...30 |
| Motor control algorithm | Space vector modulation, Field oriented control |
| Communication | CAN |
| Weight (kg) | 11.5 |
| Dimensions LxWxH (mm) | 342 x 281 x 120 |
| Cooling media | Water-Glycol (8 L/min) |
| Degree of protection | IP65 |
| Ambient Temperature ($^{\circ}C$) | -25...70 |

Values in red are preliminary values