

Electric motorization for hybrid or electric cars or vehicles

Dedicated to the electric propulsion of hybrid or electrical vehicles, this electric machine / variable speed drive operates in parallel with the thermal motor. Its function is thus an intermittent one that aims at optimizing the fuel consumption. It can be adapted to a permanent electric propulsion.

CHARACTERISTICS

- Three-phase inverter to ensure a regulation of the electric motor, torque set point
- Wound-rotor synchronous traction motor
- Cooling by glycol water
- Underframe mounting possible, rear part of the vehicle
- Defect monitoring (current, temperature, signal consistency, ...)
- Electronic control by CAN bus

SPECIFICATIONS

MECHANICAL

Enclosure dimensions	H=450mm; W=439mm; D=247mm
Total weight	<90kg
Bearings	Ceramic bearings

ELECTRICAL

Motor power	45kW from 2500 to 14000rpm
Motor torque	175N.m from 0 to 2500rpm
Input voltage	$250V_{DC} \leq U_E < 350V_{DC}$
Efficiency	>90%

PROTECTION

Environmental	IP65
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Data are given by way of illustration and are liable to be modified without notice