

ELECTRIC TRUCK UNIVERSAL LIFT-TRUCK



The shown electric truck 1,6 t is one of the versions made with adjustable induction drives – traction and pump one. New decisions are applied at the servo operation also where a hydro motor is used that is CAPRONI JSC production which together with a reducer drives the powerful implementing control mechanisms.

The hydraulic motor supply is accomplished by hydraulic chain of the main pump motor to the hydraulic lifting system. It is available also a support hydraulic accumulator with the aim to minimize the number of the switching of the pump AC electric motor

ELECTRIC TRUCK UNIVERSAL LIFT-TRUCK

The traction pump AC electric motors are a new range products intended for transport vehicles with autonomous (battery) charging. They have nominal capacities and rotational frequencies respectively – for the traction one – 6,3 kW, 1450 rpm and for the pump one – 10 kW, 2800 rpm. New specific ventilation schemes are applicable for these electric motors' types which are patent protected. The recent decisions allow the electric drives' parameters to be enhanced and respectively the energy efficiency of the transport vehicle.

A special attention is paid for increasing the reloading ability of the drives especially the traction one. The available indicative systems give current information for the condition of the complex drives. The new types of traction batteries (LiFeYPO4) are obligatory assembled with BMS (battery management systems).

Safety protections are used against exceeding the admissible temperature and current levels.



BULGARIA , 6100 KAZANLAK , 45 STOLETOV Str.
Tel.:+359/431/62 229 , +359/431/6132 ,
Fax:+359/431/62 230 , +359/431/63 134
E-mail:caproni@caproni.bg , WEB:http://www.caproni.bg