

Traction chopper for tramway

Motor variable speed drive installed on two locations on each car.



MAIN ADVANTAGES

- Armature chopper to ensure a variation of the vehicle speed
- Regenerative brake
- Power supply of direct-current traction motors
- Cooling by induced air
- Underframe mounting
- Can be combined with former tramway generations (retrofit) TFS type
- Defect monitoring (current, temperature, signal consistency, ...)
- Historization of defects with internal clock which can be downloaded on a PC
- Control signals with logical wired electronic boards providing the adequate signals to obtain the requested traction speed

SPECIFICATIONS

MECHANICAL

Dimensions

H=1050mm; W=1180mm; D=440mm

ELECTRICAL

Power of the motors

280kW

Input voltage

$550V_{DC} \leq U_E < 900V_{DC}$ - $750V_{DC}$ rated

Efficiency

>95%

PROTECTION

Electrical

Against overvoltages and overcurrents

Environmental

IP65

Respect of vibrations and railways standards

Respect of EMC and railways standards

Thermal

Protected power bridge

TECHNOLOGICAL

1700V power IGBT modules

Control electronics - programmed logic type

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