

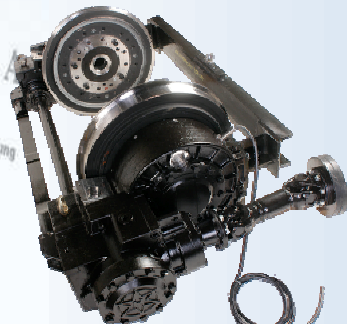
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DURUTRAM-NF 70-7,5
 Low-Floor Tram Drive for
 KONČAR - Power Plant and
 Electric Traction Engineering Inc.

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EXCELLENCE
 since 1918
 in Gearboxes



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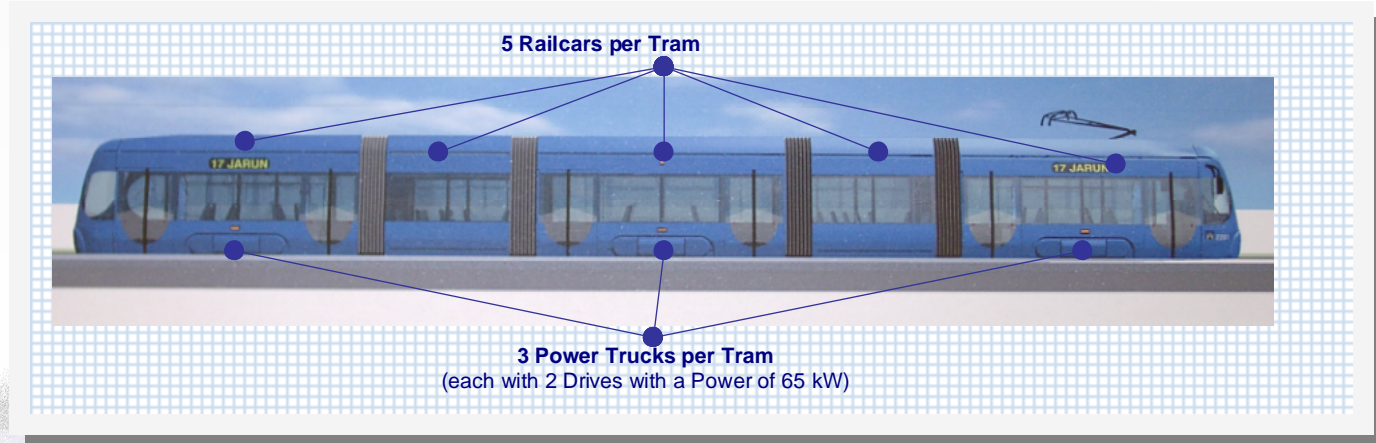


Tram Manufacturer:	KONČAR Power Plant and Electric Traction Engineering Inc.
Operator:	ZET Zagrebački Električni Tramvaj d.o.o.
Year of Manufacture:	2005
Destination Country:	Croatia
Motor Type:	KONČAR
Motor Power:	6 x 65 kW Asynchronous Motor
Gearbox Input Speed:	4620 min ⁻¹
Maximum Speed:	70 km/h
Maximum Wheel/Axle Load	5,56 t / 11,12 t

The tram TMK2200 is a 100% low-floor system. The type used in Zagreb consists of five railcar bodies of which three are equipped with a power truck. At a track gage of 1000 mm, the TMK2200 offers a continuous stepless compartment. To achieve a low entrance height special requirements are set to the power truck and drive system.

The implementation of a independent wheel suspension with a very compact designed gearbox housing enables a user-friendly entrance height of 300 mm.

In addition a modern air condition, ergonomically designed seats as well as panorama glazing provide highest comfort. The usage of rubber damped wheels support the comfortable traveling feeling.



Design Requirements to the Gearbox:

- Absorption of all wheel loads by the housing
- Dismantling of torsions shaft without gearbox disassembly
- Compensation of different deflexions of the two drive systems
- Intake of the electromagnetic rail brake at the drive system
- Saving the motor from influences of the driving dynamics
- High demands on the gearbox' leak tightness

