



CITYLINK TRAM TRAIN

MÁV START Zrt., Hungary

In May 2017, the Hungarian State Railway Company MÁV-START Zrt. signed a contract with Stadler for the supply of 8 bi-mode tram-train vehicles with an option for additional 4 units. The option was executed in mid-2020. The new vehicles, which will connect without transshipments the tram networks of Szeged and Hódmezővásárhely, are the first tram-trains in Hungary. The objective of the project is to provide a high quality public transportation system for passengers commuting every day between the two cities. The bidirectional and bi-mode Citylink vehicles cover tramway applications and full train operations at 100km/h. They are able to operate in electric mode under 600 V DC overhead on the tram networks in Szeged and Hódmezővásárhely, and in diesel mode on the mainline connecting both cities. The new tram-trains have been designed according to the latest safety standards and have a capacity for 216 persons.

Citylink is a modular, barrier-free light rail vehicle family specially designed to connect the city centre with its surroundings without transshipments. Safe and highly comfortable these tram-trains promote seamless travel for passengers.

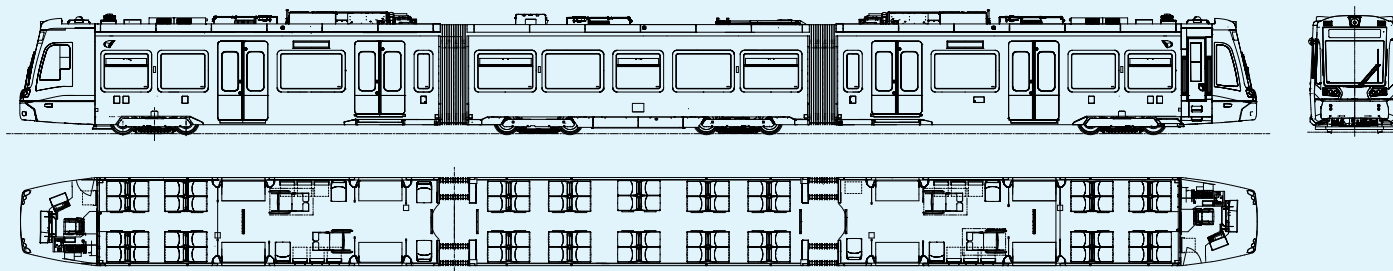
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Technical features

Technology

- Bidirectional light rail vehicle
- Bi-mode vehicle: 600 V DC and diesel-electric
- 2 x 390 kW diesel power pack certified according to EU standard EC 26/2004 Stage IIIB and EPA Tier 4i
- Lightweight structure made of high-strength stainless steel
- Real turning bogie with slewing ring and large-diameter wheels
- Smooth and silent operation with secondary air suspension and resilient wheels

Comfort

- Barrier-free low-floor vehicle
- Bright, pleasant passenger compartments with scope for individual design
- Regional train comfort seats and commodities
- Low floor and easy access for two different platform heights (300mm and 550mm)
- Double-leaf doors at different levels including ramp system
- Air-conditioned passenger area
- Four spacious multifunction areas
- Modern passenger information system

Personnel

- Air-conditioned driver's cab
- Ergonomically designed driver's cab with great visibility

Reliability / Availability / Maintainability / Safety

- Full EN 12663 P-III and EN 15227 C-III compliance
- Advance surveillance system CCTV

Vehicle data

Customer	MÁV START Zrt.
Region	Szeged - Hódmezővásárhely, Hungary
Number of vehicles	12
Commissioning	2022
Track gauge	1 435 mm
Energy supply	Bi-mode: 600 V DC / diesel-electric
Axle arrangement	Bo'2'2'Bo'
Vehicle Length	37 200 mm
Vehicle width	2 650 mm
Vehicle height	3 800mm
Platform heights	130 mm/ 300 mm/ 550 mm
Seats	92
Total capacity (4 pers./m²)	216
Doors	4 double-leaf doors per side with automatic sliding steps
Wheel diameter	720 mm
Min. curve radius	22 m
Power traction motor	4 x 145 kW
Maximum speed	100 km/h