



TANGO NF3 SARAJEVO

Ministry of Traffic of Sarajevo Canton, Sarajevo

In September 2021, the Ministry of Traffic of Sarajevo Canton, acting on behalf of the Government of Sarajevo Canton and Stadler, signed a contract to deliver a fleet of state-of-the-art TANGO trams. The project is financed by the European Bank for Reconstruction and Development (EBRD) and the European Investment Bank (EIB). This is Stadler's first contract in Bosnia and a major sales success for tram projects in the Balkans region. With the delivery of this new generation tram, Stadler contributes to the task of achieving a sustainable, accessible and modern public transport for Sarajevo.

In particular, the client has high requirements to minimise the weight per axle and to ensure thermal comfort in the interior of the vehicle. For passengers, the new trams represent a generational milestone in overall travel comfort, making it easier to travel around the city even for passengers with reduced mobility.

Stadler has placed emphasis on a highly functional and modern vehicle layout while meeting the requirements of EU standards and regulations. The result is a tram that offers comfort for passengers and staff at low operating costs. The result is a three-unit full low-floor tram with two motor and two trailer bogies and a maximum speed of 70 km/h. The door layout allows for quick passenger replacement, and the seat layout allows for sufficient comfort even while travelling longer distances typical for the Sarajevo conditions.

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Technical features

Technology

- Uni-directional vehicle
- Pivoting bogies with flexible frame
- Fully compliant with EN-Standards

Comfort

- Air-conditioned passenger compartment
- 100% low-floor vehicle
- Bright and comfortable passenger area

Personnel

- Modern, ergonomically designed driver's cab
- Video rear view mirror system
- Air-conditioned driver's cab

Reliability / Availability / Maintainability / Safety

- Pedestrian protection
- Fire safety according to the EU standard EN 45 545
- Passive crash safety according to the EU standard EN 15 227

Vehicle data

Customer	Ministry of Traffic of Sarajevo Canton, Bosnia and Hercegovina
Operated networks	KJP GRAS, Sarajevo
Gauge	1.435 mm
Designation	Tango NF3 Sarajevo
Supply voltage	600 V DC
Axle arrangement	Bo'2'+2'Bo'
Number of vehicles	15 + 10
Delivery	2023 and 2024 (Basis contract)
Seats	79
Tip-up seats	0
Standing spaces	101 (4 P/m ²)
Floor height	340 mm (Entrance)
Entrance width	800 mm / 1.300 mm
Vehicle length	31.1 m
Vehicle width	2.4 m
Vehicle height	3.6 m
Bogie wheelbase	1 800 mm
Driving wheel diameter, new	610 mm
Continuous power	420 kW
Maximum speed	70 km/h