TRAMLINK LOW FLOOR LIGHT RAIL VEHICLE

Azienda Trasporti Milanesi S.p.A., Milan, Italy

Stadler and Azienda Trasporti Milanesi S.p.A. (ATM) signed a framework agreement for the supply of up to 80 medium-capacity TRAMLINK LRV for both urban and suburban services in september 2020.

The aim was to gradually replace older rolling stock and to expand the transport offer. At the same time, ATM placed an initial order for 30 vehicles. which was then followed by a second order for 30 additional medium-capacity TRAMLINKs. The bidirectional medium-capacity TRAMLINK developed for ATM consists of three modules and a length of around 25 m. The attractive, open interior tram is equipped for wheelchair users. The barrier-free low-floor and three doors on each side of the vehicle enable passengers to get on and off easily and to reduce dwell time.

The TRAMLINK is equipped with an anti-collision device to the safety of passengers, drivers and pedestrians. Large windows in the front allow an extra-wide field of vision for the driver. Inside the vehicle, surveillance cameras that eliminate blind spots, guarantees passenger security. In addition, the innovative bogies enable trams to run smoothly in the very tight radius curves characteristic of the city centre. This reduces the squealing noise significantly for the benefit of passengers and residents.

In 2023, both companies signed a new framework agreement including up to 25 medium-capacity trams and up to 25 high-capacity trams, both of the TRAMLINK type. In a first call-off, ATM has ordered 14 high-capacity vehicles.

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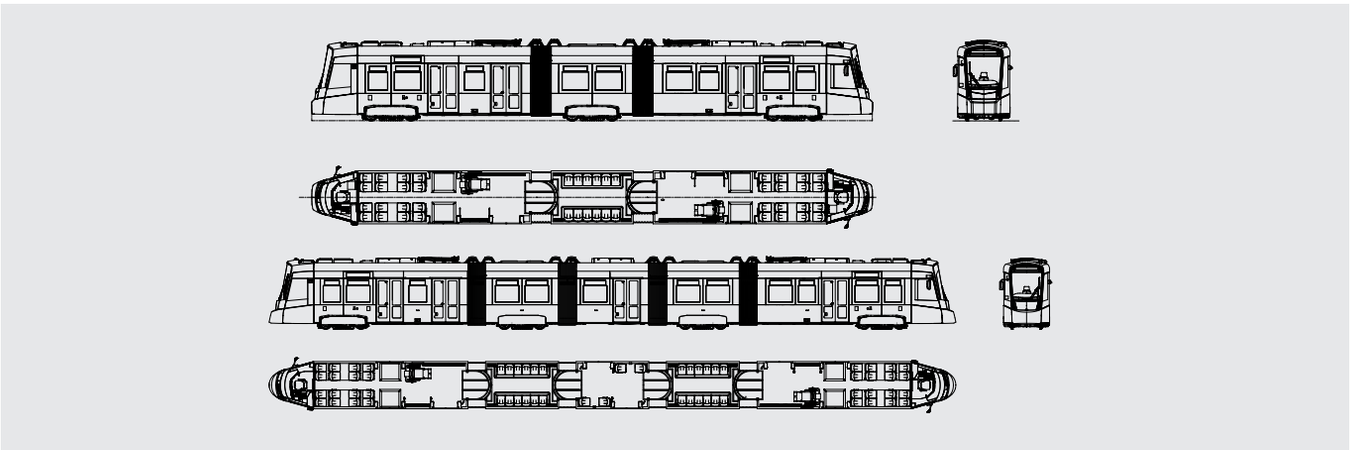

Technical features

Technology

- Bi-directional vehicle
- Lightweight structure made of high-strength stainless steel (duplex)
- Pivoting bogies to minimise track forces at very tight curves
- Bogie with real axle wheelset and articulated frame to cope with all track conditions
- Roof Lemniscate to soften forces on curve negotiation

Comfort

- Bright, attractive passenger area with scope for individual design
- Double-leaf doors on both sides for a fast flow of passengers
- Easy access for people with reduced mobility, including ramps
- Multifunctional areas including wheelchair spaces

Personnel

- Ergonomically designed and air-conditioned driver's cabs
- Great visibility from driver´s desk for city operation
- Modern, screen-based vehicle control system

Reliability/Availability/Maintainability/Safety

- Advanced CCTV video surveillance system
- Anti-collision device

Vehicle data

Customer	ATM	
Region	Milan, Italy	
Number of vehicles	Up to 105	Up to 25
Commissioning	2025	2026
Track Gauge	1,445 mm	
Supply voltage	600 V DC	
Vehicle length	25,400 mm	35,000 mm
Vehicle width	2,400 mm	
Vehicle height	3,685 mm	
Entrance height	350 mm	
Doors	3 per side	4 per side
Wheel diameter, new	610 mm	
Power of traction motors	4 x 105 kW	
Min.curve radius	17 m	
Maximum speed	60 km/h	