



Low-floor tramway, type Variobahn for the GRAZ AG, Austria

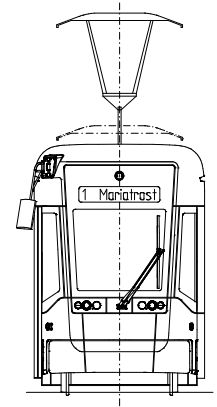
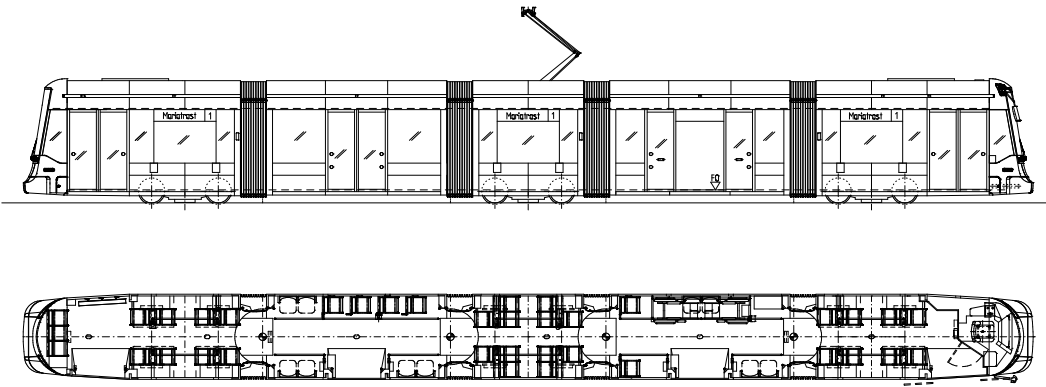
The GRAZ AG has ordered 45 tramways of type Variobahn for the exploitation in Graz city area.

The Variobahn vehicles have a low-floor part of 100 % with a floor level of 350 mm above top of rail. The passenger area is brightly and spaciouly designed thanks to the comfortable carbody with of 2.30 m. Moreover the one-way vehicles for GRAZ AG have two multipurpose areas for wheelchairs and pushchairs.

The Variobahn is a modularly-constructed tram with clear interfaces and a high degree of flexibility and concerning length, width and gauge.

Stadler Pankow GmbH
Lessingstrasse 102
D-13158 Berlin, Germany
Phone +49 (0)30 91 91-16 16
Fax +49 (0)30 91 91-21 50
stadler.pankow@stadlerrail.de

A Company of Stadler Rail Group
Ernst-Stadler-Strasse 1
CH-9565 Bussnang, Switzerland
Phone +41 (0)71 626 21 20
Fax +41 (0)71 626 21 28
stadler.rail@stadlerrail.ch



Technical features

- Easy adaptation to local conditions through modular construction
- One-way vehicle
- Gearless drive techniques with wheel hub motors assures more spaciousness in train
- Two vehicle parts (“litter”) without wheel guard; fitted between the bogie modules
- Consistent realisation of the disabled persons’ needs in the first vehicle multipurpose area including mechanical folding ramp in access area
- Generous arrangement of the second multipurpose area
- 4 exterior sliding doors
- Air-conditioned passenger compartment and driver’s cab
- Car body in rust-resistant stainless steel
- Bonded exterior covering to reach a reduction of the maintenance costs after accident repairs
- Spacious articulation areas with fix interior covering
- Specific features for Graz Variobahn:
 - Head form
 - Coloration
 - Interior arrangement

Vehicle data

Customer	GRAZ AG
Operated lines	Graz city area
Number of vehicles	45
First delivery	2009
Vehicle length	27,468 mm
Vehicle width	2,300 mm
Height incl. roof devices	3,400 mm
Floor height (100 % low floor)	350 mm
Access height above TOR	300 mm
Net weight	38,400 kg
Gauge	1,435 mm
Exterior sliding doors	4
Wheel diameter	650/570 mm (new/used up)
Powered/trailer wheels	8/4
Contact wire tension	600 V DC
Drive	8 x 45 kW
Maximum speed	70 km/h
Seats	47 (incl. folding seats)
Standing capacity (4 pers./m ²)	98
Minimal curve radius	17.25 m

