



ET 22 151 –164 low – floor

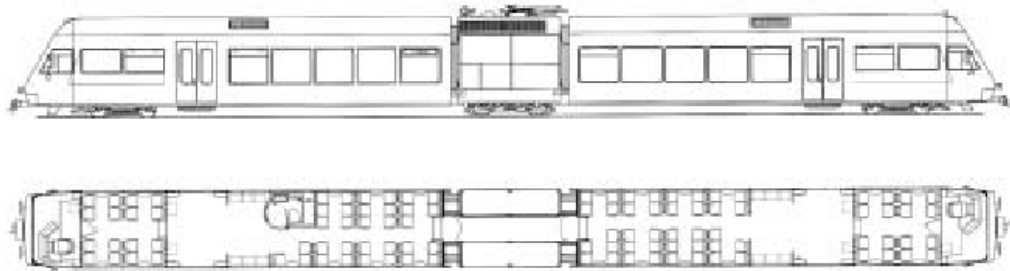
articulated EMUs für Linzer Lokalbahn (LILO)

The Linzer Lokalbahn (LILO) is a local railway in the surroundings of Linz (Austria). LILO placed an order in the year 1998 for 8 bidirectional GTW 2/6 units for operation on 750 V DC lines. Additionally the first vehicle is equipped with a 15 kV/16.7 Hz system. The EMU are successful since the year 2000 in use. In the year 2003 the option for further 6 vehicles was redeemed, including the re-equipment of all existing vehicles on the bi-current system (15kVAC), so that the operating is possible on the net of the ÖBB to the new station Linz. The technical specifications with 150 kN longitudinal strength, fire safety DIN5510 class 2, allowed the full operating on the ÖBB network.

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Technical Features

- Spacious multi-purpose vestibule in entrance area
- Bright, friendly interior with large window areas
- Vacuum toilet system handicapped/disabled proof
- Low-floor content 77%
- Air-conditioned passenger areas and driving cabs
- Trailer bogies fitted with air suspension
- Central power module with 1'000 mm wide gangway for passengers
- Bombardier electrical equipment: water-cooled IGBT power converters, MITRAC vehicle control system with diagnostic computer
- Multiple-unit control for up to 3 vehicles

Vehicle Data

Customer	Linzer Lokalbahn (LILO)
Lines operated	Linz-Peuerbach/Neumarkt
Gauge	1'435 mm
Designation	ET 22 151-158, 159-164
Catenary supply voltage	750 V DC/15 kVAC, 16.7 Hz
Axle arrangement	2' Bo 2'
Number of vehicles	8 + 6
Service startup	2000 / 2005
Seating capacity	126 / 118
Standing capacity (4 pers./m ²)	108 / 112
Floor height	
Low floor	585 mm
High floor	1'000 mm
Door width	1'330 mm
Longitudinal strength	1'500 kN
Overall length	38'200 mm
Vehicle width	3'000 mm
Vehicle height	3'850 mm
Tare weight	60 t
Bogie wheelbase	
Power bogie	2'100 mm
Trailer bogies	1'900 mm
Powered wheel diameter, new	860 mm
Trailer wheel diameter, new	680 mm
Continuous output at wheel	520 kW
Maximum output at wheel	760 kW
Starting effort	70 kN
Max. acceleration at gross weight	1.2 m/s ²
Maximum speed	120 kph

