



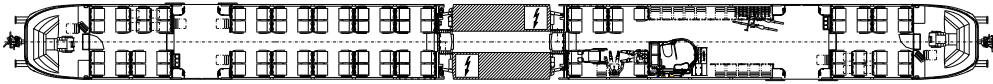
GTW DMU-2 2/6 low-floor

articulated DMUs für the Vinschger Railway (Val Venosta), Italy

The Merano-Malles line was closed by the Italian National Railway authorities in 1991. The autonomous province of Bolzano-Alto Adige has decided to re-open a passenger service on this line in starting the year 2004. Since 5 May 2005 the regular passenger traffic was again taken up. Thanks to the train's outstanding performance figures, twelve latest-generation GTW DMU-2 2/6 units have been chosen for the operation. The train came with a new, twin-diesel-engine drive concept being used here for the first time. This gives improved acceleration, reduces emission and provides a redundancy in propulsion equipment and in auxiliary supply.

Stadler Altenrhein AG
Park Altenrhein für Industrie und Gewerbe
CH-9423 Altenrhein, Switzerland
Phone +41 (0)71 858 41 41
Fax +41 (0)71 858 41 42
stadler.altenrhein@stadlerrail.ch

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



Technical features

- Bright, friendly interior with large window areas
- Stepless passenger compartment with wide doors: low floor section > 75%
- Air-conditioned passenger and driver compartments
- Closed toilet system with easy access for the disabled
- Air-suspended power and trailer bogies
- Ergonomically designed driver's cab
- Traction equipment housed in a separate power car with an 800 mm aisle for passengers, effectively insulating the passenger compartments from noise and vibration sources
- Redundant traction chain consisting of two units, each with a diesel engine, asynchronous generator, IGBT power converter and asynchronous drive motor
- Glass fibre reinforced front section with automatic coupling
- Carbody endcar in extruded aluminium superstructure
- Carbody power car in steel superstructure
- SELECTRON vehicle control with vehicle bus, train bus and diagnostic computer
- Multiple-unit control for up to three vehicles

Vehicle data

Customer	Südtiroler Transport Strukturen AG (STA), Bolzano (Italy)
Lines operated	Merano – Malles
Gauge	1'435 mm
Axle arrangement	2' Bo 2'
Number of vehicles	8 + 4
Service start-up	2004 /
Seating capacity	104
Standing capacity	110
Multipurpose compartment	Space for up to 10 bicycles
Floor height	
Low floor	585 mm
High floor	1'000 mm
Door width	1'320 mm
Longitudinal strength	1'500 kN
Overall length	39'500 mm
Vehicle width	3'000 mm
Tare weight	66 t
Bogie wheelbase	2'100 mm
Powered wheel diameter (new)	860 mm
Trailer wheel diameter (new)	750 mm
Diesel engine	MAN, 2 x 390 kW, EURO 3
Maximum power at wheel	600 kW
Starting tractive power	80 kN
Max.acceleration at gross weight	1.05 m/s ²
Maximum speed	140 km/h

