



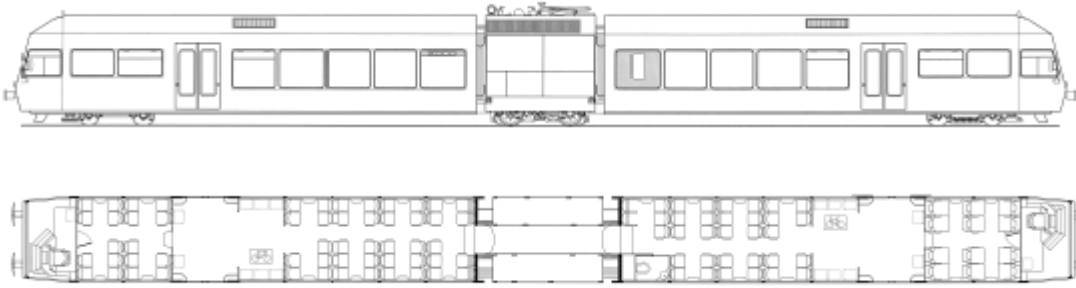
RABe 526 low-floor articulated EMUs for the Mittelthurgaubahn (MThB)

For the operation on Lake Constance lines, MThB purchased bi-directional GTW 2/6 EMUs. This was the first electric version of the GTW 2/6 designed for main line standard gauge. High low-floor content, low maintenance costs and low power consumption were the prime criteria for the purchase of this vehicle.

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Technical Features

- Spacious multi-purpose vestibule in entrance area
- Bright, friendly interior with large window areas
- Vacuum toilet system
- Trailer bogies fitted with air suspension
- Central power module with 1'000 mm wide gangway for passengers
- End cars of extruded aluminium sections
- Bombardier electrical equipment: water-cooled IGBT power converters, MITRAC vehicle control system with train bus and diagnostics computer
- Multiple-unit control for up to 3 vehicles
- Vehicles equipped with German and Swiss automatic train stopping device for cross-border regional and commuter services.

Vehicle data

Customer	Mittelthurgauerbahn, Weinfelden, Switzerland
Lines operated	Lake of Constance Region
Gauge	1'435 mm
Catenary supply voltage	15kV, 16.7 Hz
Designation	RABe 526680 689
Axle arrangement	2' Bo 2'
No. of vehicles	10
First year of operation	1998
Seating capacity 1st class	12
Seating capacity 2nd class	106
Standing capacity (4 Pers./m ²)	82
Floor height	
Low floor	585 mm
High floor	1'000 mm
Door width	1'350 mm
Longitudinal strength	1'500 kN
Length over buffers	3'760 mm
Vehicle width	3'000 mm
Vehicle height	3'850 mm
Tare weight	57 t
Bogie wheelbase	
Power bogie	2'100 mm
Trailer bogie	1'900 mm
Powered wheel diameter, new	860 mm
Trailer wheel diameter, new	680 mm
Continuous power at wheel rim	520 kW
Max power at wheel rim	760 kW
Starting effort	70 kN
Max. acceleration at gross weight	1.0 m/s ²
Max speed	130 kph

