



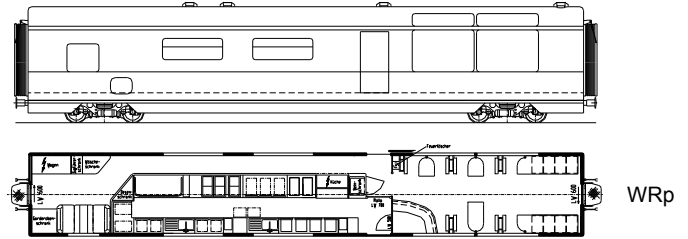
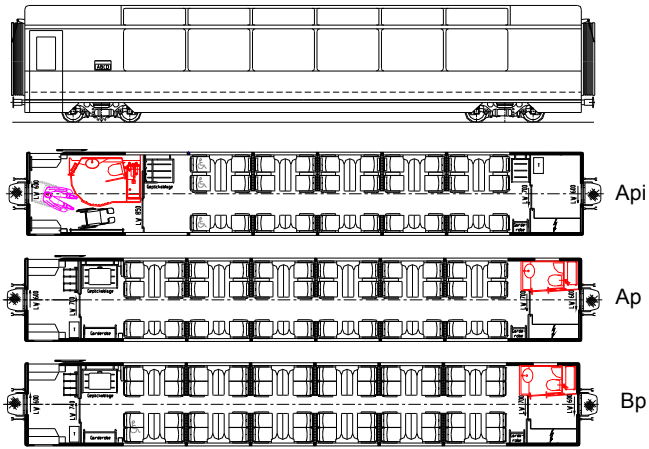
Panorama Coaches for the Glacier Express

Rhätische Bahn (RhB) / Matterhorn Gotthard Bahn (MGB)

In 2003, RhB and MGB ordered four new compositions of six wagons each for the Glacier Express. Interior and exterior designs are unified throughout the entire train formation. The passenger will enjoy entertainment at his/her seat and can, among other things, receive precise up-to-date information via headphones on the part of the line currently being travelled. In addition to the large window surface area, the double redundant air conditioners provide for an enjoyable journey through the impressive scenery at any time of year. The pneumatic spring fitted Stadler bogies, which are connected to the railcar floor via a rotating assembly ensure a quiet and comfortable ride. The low weight limit is due to the employment of lightweight construction elements for the entire train formation.

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Technical features

- Unified interior and exterior design throughout the entire train formation
- Light, passenger friendly interior with panorama windows
- Non-glare central lighting strip with a pleasant diffusion of light
- Car shell body of Aluminium Extrusion Profile
- Basic car body shell prepared for conversion to automatic coupling
- Bonded windows
- Vacuum- or pneumatic-controlled load-dependent compressed air brakes, spring-operated brakes
- Air-cushioned trailing bogies
- Independently adjustable cogwheel, integrated within the bogie frame
- Passenger Information System (FIS) which each passenger can tune individually
- Handicapped accessible WC
- Double redundant air conditioner (1 set per car)

Vehicle Data

Customer	Rhätische Bahn (RhB) Matterhorn Gotthard Bahn (MGB)	
Lines operated	St. Moritz / Davos - Zermatt	
Gauge	1000 mm	
Minimum curve radius	60 m	
Designation (Number) Coach	1. Kl. coach:	Api, Ap (je 4)
	2. Kl. Coach::	Bp (12)
	service coach:	WRp (4)
Number of vehicles	24	
Service start-up	2005 / 2006	
Seating capacity, each train	1. K. 66, 2. Kl.144	
Overall length	18'500 mm	
Swivel pin distance	12'830 mm	
Body length	17'700 mm	
Vehicle height	3'695 mm	
Vehicle width	2'680 mm	
Bogie wheelbase	1'800 mm	
Trailer wheel diameter (new)	685 mm	
Floor height	950 mm	
Door width	850 mm	
Longitudinal strength	800 kN	
Tare weight	passenger coach 18 t, service coach 24 t	
Tare weight, gross	passenger coach 23 t, service coach 25t	
Maximum speed	adhesion	100 km/h
	rack-railway	35 km/h
Maximum incline	adhesion	60 ‰
	rack-railway	125 ‰
Spannung Zugsammelschiene	320 V (16 2/3 Hz)	

