

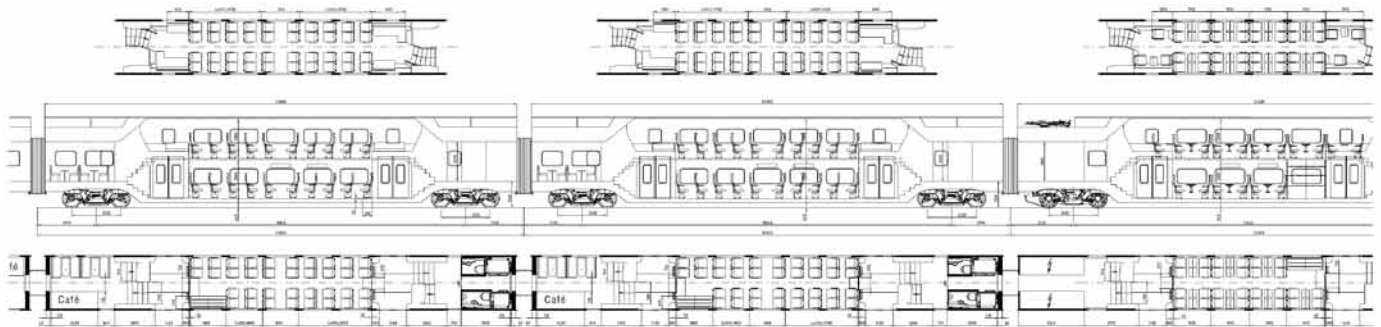


KISS electrical double-deck railcar for Westbahn Management GmbH, Austria

On June 2009, Westbahn placed an order for the construction of double-deck trains to be used for the intercity service between Vienna and Salzburg. From 2011, Stadler will supply a total of 7 six-part trains. The new double-deck railcars from Stadler are all 150 metres long and they offer the kind of comfort you would expect from a first-class car in every single coach. Each train provides 501 comfortable seats and all intermediate trailers are equipped with a bistro where passengers can purchase food and beverages. Westbahn plans to have six members of customer support staff on each train, who will be able to assist passengers during the journey by selling tickets, performing cleaning tasks and providing general customer service. The trains weigh 296 tonnes each and can reach a maximum speed of 200 km/h. The vehicles are scheduled to go into service in 2011.

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Technical features

- Light, passenger-friendly interior which can be laid out according to individual requirements
- Bistro in the intermediate car
- 12 entrance doors on each side enable passengers to enter and exit quickly
- Air conditioning in passenger compartments and driver's cab, with fresh air circulating via the perforated ceiling, and a radiant heating system
- Closed WC system adapted to the needs of disabled passengers
- Ergonomically designed driver's cab
- Railcar body made of extruded aluminium sections in accordance with EN 15227, scenarios I & 2
- Air-cushioned drive and trailer bogies
- Redundant propulsion equipment consisting of eight propulsion chains with water-cooled IGBT converters
- Vehicle control system with train bus and diagnostics computer (CANopen bus)



Vehicle data

Customer	Westbahn Management GmbH
Area of use	Vienna–Salzburg intercity
Track gauge	1435 mm
Supply voltage	15 kV AC, 16.7 Hz
Axle arrangement	Bo'Bo'+2'2'+2'2'+2'2'+2'2'+Bo'Bo'
Number of vehicles	7
Commissioning	2011
Seats, 1 st cl.	501
Floor height	
Low-floor in entrance	570 mm
Lower deck	440 mm
Upper deck	2515 mm
Entry width	1400 mm
Headroom	2000 mm
Axial thrust	1500 kN
Length over coupling	150000 mm
Vehicle width	2800 mm
Vehicle height	4595 mm
Service weight, tare	296 t
Bogie wheelbase	
Motor bogie	2500 mm
Trailer bogie	2500 mm
Driving wheel diameter, new	920 mm
Bogie wheel diameter, new	920 mm
Continuous output at the wheel	4000 kW
Max. output at the wheel	6000 kW
Starting traction force (up to 68 km/h)	320 kN
Starting acceleration	0.85 m/s ²
Maximum speed	200 km/h