



Tram Train Citylink Mallorca, Spain

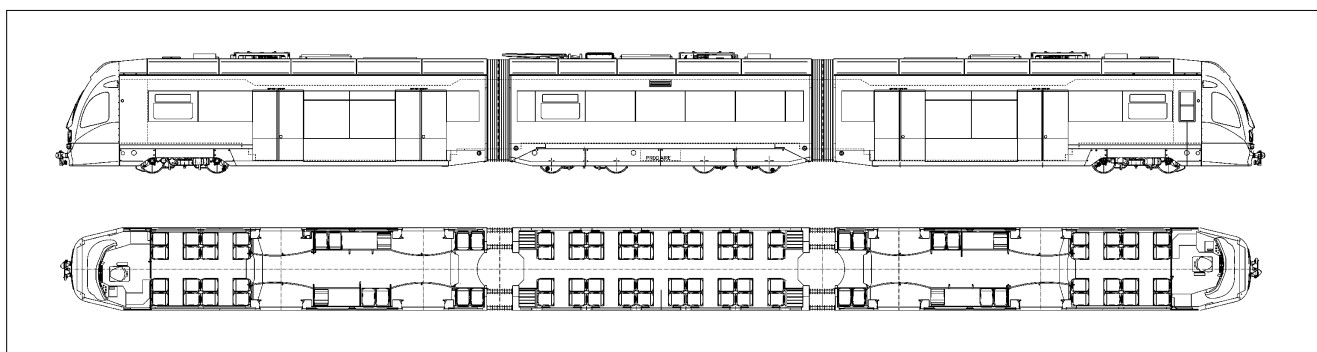
Tram Train Citylink

Project characteristics

- Bidirectional vehicle
- DC 1500 V overhead line voltage
- Air-suspension for high passenger comfort
- Three powered bogies
- Air-conditioned passenger areas and driver's cab

In 2009 the transport company SFM (Serveis Ferroviaris de Mallorca) ordered six Citylink tram trains with Vossloh Rail Vehicles and Vossloh Kiepe. These bidirectional vehicles are going to be operated in the North of Mallorca on the Manacor – Arta line and are intended for both regional passenger service and for urban rail service as tramcars. Their maximum speed will be 100 km/h on the regional sections of the line and 70 km/h on the urban rail sections. The vehicle traction has been equipped with three IGBT direct

pulse inverters (DPUs), and each of these low-maintenance DPUs controls two 4-pole three-phase asynchronous motors. As the latest IGBT module generation is applied, it has been possible to develop a very compact and light DPU. The complete sensor system and the inverter control have also been integrated. This traction equipment ensures acceleration of 1.2 m/s².



Technical data

Vehicle length	37 m
Vehicle width	2.55 m
Vehicle height	3.67 m
Low-floor share	50%
Boarding height	360 mm
Tare weight	55.5 t
Gauge	1,000 mm
Doors	4 doors per side
Seats / folding seats	88
Standees	223
Wheel diameter (new / worn)	720 / 660 mm
Contact line voltage	DC 1500 V
Traction power	6 x 140 kW
Maximum speed	100 km/h
Homologation	SFM (operator)
Features	Air suspension, multi traction

Subject to change without notice.