



EMU FOR THE VESUVIAN RAILWAY LINES

Ente Autonomo Volturno, Regione Campania, Italy

In May 2021, Stadler and Ente Autonomo Volturno (EAV) signed a Framework Agreement for the supply and full service maintenance of up to 40 EMUs for the metropolitan and suburban service on the 950mm narrow-gauge Vesuvian railway lines. At the same time, EAV made an initial order of 23 vehicles. The remaining 17 vehicles were ordered in July 2022.

In 2023, the two companies signed a new framework agreement covering the manufacture and supply of up to 60 vehicles similar to the previous ones. In a first call-off, EAV ordered 16 trains.

The lightweight articulated three-car units allow for an efficient and cost-effective operation. With an overall length of around 40m, they feature five double-leaf doors on each side, enabling passengers to get on and off quickly at stations. Particularly advantageous for people with reduced mobility, who will be able to move easily throughout the interior of the train, are the open and airy passenger compartments. In addition, dedicated areas have been created for wheelchairs, prams and bicycles. This modern interior, with longitudinal seats layout, full CCTV coverage and clear warning indicators, will enhance the passenger's perception of safety.

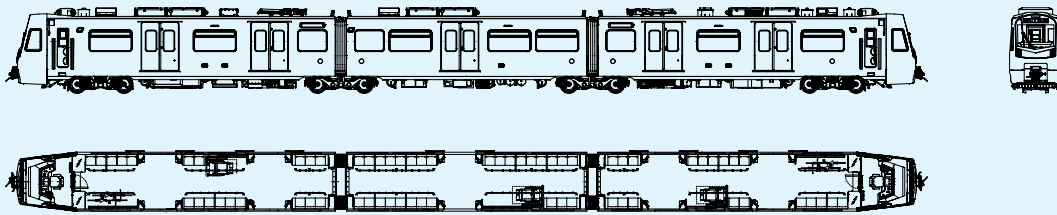
www.stadlerrail.com

Stadler Rail Group

Ernst-Stadler-Strasse 1
CH-9565 Bussnang
Phone +41 71 626 21 20
stadler.rail@stadlerrail.com

Stadler Rail Valencia S.A.

Pol. Ind. Mediterráneo. Mitjera 6
E-46550 Albuixech (Valencia)
Phone +34 96 141 50 00
stadler.valencia@stadlerrail.com



Technical features

Technology

- Lightweight car bodies made of extruded aluminium profiles
- Modern vehicle control system
- Automatic front coupler for multiple operation
- Designed to operate up to 120 km/h, for future EAV service speed increase

Comfort

- Bright, pleasant and open passenger-friendly interior with scope for individual design
- Five double-leaf doors per side for rapid flow of passengers
- Continuous floor height throughout the entire passenger compartment
- Flush accesses to enable easy access for people with reduced mobility
- Spacious multifunction areas including wheelchairs and bikes spaces
- Modern passenger information system
- User-friendly air-conditioned system

Personnel

- Two drivers' cabs, with an independent HVAC system, designed according to ergonomics and safety criteria
- High levels of cab comfort and visibility

Reliability / Availability / Maintainability / Safety

- Reduced energy consumption
- Advanced video surveillance system (CCTV)
- Redundant drive equipment

Vehicle data

Customer	EAV
Area serviced	Vesuvian railway lines, Italy
Number of vehicles	1st agreement: up to 40 2nd agreement: up to 60
Track gauge	950 mm
Axle arrangement	Bo'Bo'2'Bo'
Supply voltage	1 500 V DC
Vehicle length	40 880 mm
Vehicle width	2 650 mm
Entrance height	1 000 mm
Entrance width	1 400 mm
Number of doors	10
Seats (+ tip-up seats)	66 (+ 24)
Standing capacity (6 p/m²)	377 (tip-ups occupied)
Wheel diameter (new)	760 mm
Minimum curve radius	70 m
Power	6 x 180 kW
Maximum speed	100 km/h