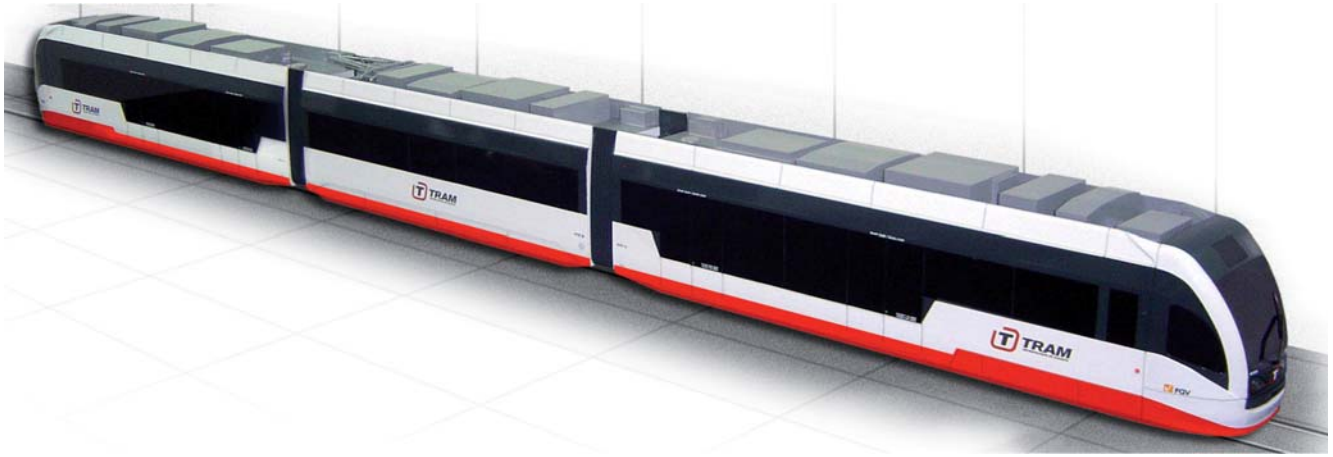




Tram-Train



Ferrocarrils de la Generalitat Valenciana



TECHNICAL CHARACTERISTICS

- Nominal current supply: 750 Vdc
- Energy recuperation
- Low voltage: 110 Vdc
- Six 3-phase asynchronous motors
- 6 x 140 kW traction power
- Air-cooled motor
- Three powered bogie/one trailer bogie
- Helical Spring swing arm axle box primary-suspension
- Pneumatic secondary suspension
- 8 sand boxes
- Flange wheel lubrication device
- Anti slip, anti slide system
- Electrical service brake: regenerative
- Electro-hidraulic emergency brake
- Hidraulic security brake
- Electro magnetic brake
- Two auxiliary converters
- Air Conditioning in cabins and passengers zones
- Surveillance CCTV system

General data

| | |
|-----------------|--------------------|
| Contract date | 2003 |
| Type of vehicle | Tram-Train |
| Model | bi-directional |
| Owner | FGV |
| Quantity | 9 |
| Train consist | 3 articulated cars |

Performance and capacity

| | |
|--|----------------------|
| Maximum speed | 100 km/h |
| Acceleration rate | 1,2 m/s ² |
| Deceleration | |
| - service brake | 1,2 m/s ² |
| - emergency braking rate | 2,6 m/s ² |
| Maximum gradient | 60°/00 |
| Seated passengers/tip-up seats | 92 / 6 |
| Standing passengers (6 pass/m ²) | 209 |
| Pram and wheelchair locations | 2 |
| Multiple units | 2 |

Dimensions and weight

| | |
|--|--------------|
| Length of vehicle | 37 m |
| Height | 3,48 m |
| Width | 2,55 m |
| Floor height Low floor entrance | 360 mm |
| Percentage of low-floor area (extreme cars) | 60% |
| Intermediate car height floor | 900 mm |
| Height of floor | 375/900 mm |
| Electric Double-leaf sliding Plug doors | 4 / per side |
| - door clearance height | 2.000 mm |
| - door clearance width | 1.240 mm |
| Wheel diameter (new/worn) | 720/660 mm |
| Gauge | 1.000 mm |
| Minimum horizontal curve radius | 30 m |
| Minimum vertical curve radius | 1200 |
| Vehicle weight (empty) | 60 t |
| Vehicle weight (loaded) (4 pass/m ²) | 72 t |
| Maximum axle load (8 pass/m ²) | 10 t |
| Buffer load | 600 kN |

Vossloh España, S.A.
 Polígono Industrial del Mediterráneo
 c/ Mitjera nº 6
 46550 - Albuixech (Valencia) / España
 Tel. +00 34 96 141 5000
 Fax +00 34 96 141 5007
www.vossloh-rail-vehicles.com

