

# Trainset

common train-set types

## EMU

### Electrical Multiple Units

Trainset.jpeg

## Velaro E

Trainset\_1.jpeg

- If one traction unit fails, it can be disabled without affecting the remaining units. This enables the train to safely reach its destination with **75% of its maximum rated traction** and braking power.
- Low-maintenance three-phase asynchronous motors with cage rotors ensure high availability for productive service.

### Sophisticated onboard power supply system

Providing maximum comfort for the passengers requires an especially efficient electrical system. Continuous **busbars** ensure the reliable supply of these electrical loads, including:

- Heating,ventilation and airconditioning
- Fans and pumps
- Microwave ovens
- Lighting
- Coffee machines
- 230V sockets
- Communication system

Braking in regenerative mode is used preferentially in routine service, which prevents unnecessary wear on the mechanical brakes. Only when the network is no longer able to absorb the electric braking energy of the traction motors is the rheostatic brake used.

Desiro City

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