



INTERCITY PASSENGER COACHES FOR ČESKE DRÁHY

Viaggio Coaches

Viaggio passenger coaches, our so-called CD50, define the standard of comfort for rail travel in central Europe. The new cars for České dráhy (CD) enable flexible operations of the cars based on varying demand at the routes they serve.

Comfort

Passengers can choose between two seating classes, first and second, whereby all seats are designed specifically for long distance travel and offer comfort features such as footrests, individual reading lights, access to a table or wireless charging of phones. In the multifunctional car there is ample space for up to eight bicycles as well as efficient E-bike charging stations. Onboard WiFi allows for connectivity and supports smooth streaming entertainment.

Patented radio permeable window panes allow cell phone signals to pass through, amplifying the signal and ensuring unobstructed reception.

Pressure tight design throughout is important for the aural comfort in tunnels especially when passing other high-speed trains. Wide gangways allow free and easy movement of passengers within the train from one car to another.

Cross-border operation

The new cars were homologated in accordance with the 4th railway package. With these coaches CD can offer environmentally efficient national connections in the Czech Republic as well as international connections to Germany, Austria, Hungary, Slovakia and Poland.

Accessibility

CD50 was designed to allow all types of passengers to experience the extraordinary comfort of these trains. Onboard wheelchair lifts are available to allow safe and comfortable access from all platforms. There are three dedicated wheelchair spaces as well as a spacious universal toilet. Braille signage helps visually impaired passengers to navigate the train easily.

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The CD50 combines efficiency with comfort

- Spacious, modern interior
- Wide, closed gangway
- 200 km/h max. operating speed
- Multi-system technology for easy cross-border traffic
- Automatic folding step for convenient boarding
- Luggage racks for bulk luggage
- Wheelchair elevator to guarantee accessibility at all stations
- Three wheelchair spaces
- Sufficient space for eight bicycles
- E-Bike charging stations
- Wireless charging of phones



Technical data

Track gauge	1,435 mm
Carshell length	26,5 ¹⁾ / 26,45 ²⁾ 3) 4)mm
Car height above ToR	4,050 mm
Car width	2,825 mm
Floor height compartment above ToR	1,250 mm
Clear width entrance	2 x 850 mm
Clear width passageway	1,100 mm
Entrance height above ToR	1,250 mm
Pivot pitch	19,000 mm
Bogie wheelbase	2,500 mm
Bogie	SF400
Brake system	3 discs per axle + Mg
Wheel diameter (new)	920 mm
Max. service speed	200 km/h
Min. curve radius (uncoupled)	150 (80) m
Tare mass, type dependant	49 ¹⁾ / 48,4 ²⁾ / 49,2 ³⁾ / 49,2 ⁴⁾
Total mass, type dependant	49,7 ¹⁾ / 48,7 ²⁾ / 49,8 ³⁾ / 49,8 ⁴⁾
Toilets	2 ¹⁾ 3) / 1 ²⁾ 4) Universal, Vacuum
Power supply	1,000 V AC 16.7/50 Hz 1,500 V AC 50 Hz 1,500 / 3,000 V DC
Passenger capacity	55 ¹⁾ / 50 ²⁾ / 80 ³⁾ / 68 ⁴⁾ Seats
Equipment	Comfort seats, wheelchair elevator to guarantee accessibility at all stations, children's playarea, air conditioning, multisystem power supply, electronic passenger info, inductive charging, blind navigation, radio permeable windows, E-Bike charging stations
Homologated Countries	Czech Republic, Germany, Austria, Hungary, Slovakia, Poland

Car types: 1) First Class Afmpz (1 pc.)
2) Multifunctional Car Bbdgmpz (1 pc.)

3) Economy Class Bmpz1 (2 pcs.)
4) Economy Class Bmpz2 (1 pc.)

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