



## INTERCITY PUSH/PULL TRAINS FOR ČESKE DRÁHY

# Viaggio Comfort

The ČD-Jet trainsets redefined the standard of high speed rail service in central Europe. Operational speeds of up to 230 km/h in combination with high levels of comfort attract many new passengers to railway travel.

### **Comfort**

Passengers can choose between three seating classes, business, first and second. All seats are designed specifically for long distance travel and offer comfort features such as footrests, individual reading light, access to a table and power sockets for charging phones or laptops.

Each train has a bistro car where hot and cold meals are served and various drinks may be enjoyed. Onboard WiFi allows for connectivity and supports smooth streaming entertainment.

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

### **Cross-border operation**

One of the greatest strengths of the locomotive hauled push-pull train solution is its flexibility in relation to interoperability. Besides offering fast connections between Czech Cities, the ČD-Jet connects the Czech republic with Germany, Austria, Slovakia and Hungary.

### **Accessibility**

The ČD-Jet 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 dedicated wheelchair spaces as well as a spacious universal toilet which is designed for easy maneuverability. Braille signage helps visually impaired passengers to navigate the train easily and is provided on important features such as seat numbers and call for aid buttons.

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## The ČD-Jet combines efficiency with comfort

- Spacious, modern interior
- Wide, closed gangway
- 230 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 lift to guarantee accessibility at all stations
- Wheelchair spaces
- Sufficient space for bicycles
- Dedicated seats for passengers with special requirements
- Power sockets for charging



### Technical data

Track gauge	1,435 mm
Length over buffers/couplings	26,850 <sup>1)</sup> / 26,500 <sup>2) 3)</sup> / 26,450 <sup>4)</sup> mm
Carshell length	26,409 <sup>1)</sup> / 25,980 <sup>2) 3) 4)</sup> 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	230 km/h
Min. curve radius (uncoupled)	150 (80) m
Tare mass, type dependant	53.9 <sup>1)</sup> / 50.8 <sup>2)</sup> / 49.5 <sup>3)</sup> / 49.2 <sup>4)</sup> t
Total mass, type dependant	58.5 <sup>1)</sup> / 56.1 <sup>2)</sup> / 56.7 <sup>3)</sup> / 55.4 <sup>4)</sup> t
Toilets	1 <sup>1) 4)</sup> / 1 universal <sup>2)</sup> / 2 <sup>3)</sup> , 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	38 <sup>1)</sup> / 10+3 <sup>2)</sup> / 80 <sup>3)</sup> / 64 <sup>4)</sup> seats
Equipment	Comfort seats, wheelchair lift to guarantee accessibility at all stations, children's playground, air conditioning, multisystem power supply, electronic passenger info, blind navigation, power sockets, Catering – Bistro, saloon & semi-open compartments
Homologated Countries	Czech Republic, Germany, Austria, Slovakia, Hungary

Car types: 1) Premium Control Car Afmpz (1 pc.)  
2) Bistro car ARbmpz (1 pc.)

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

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