

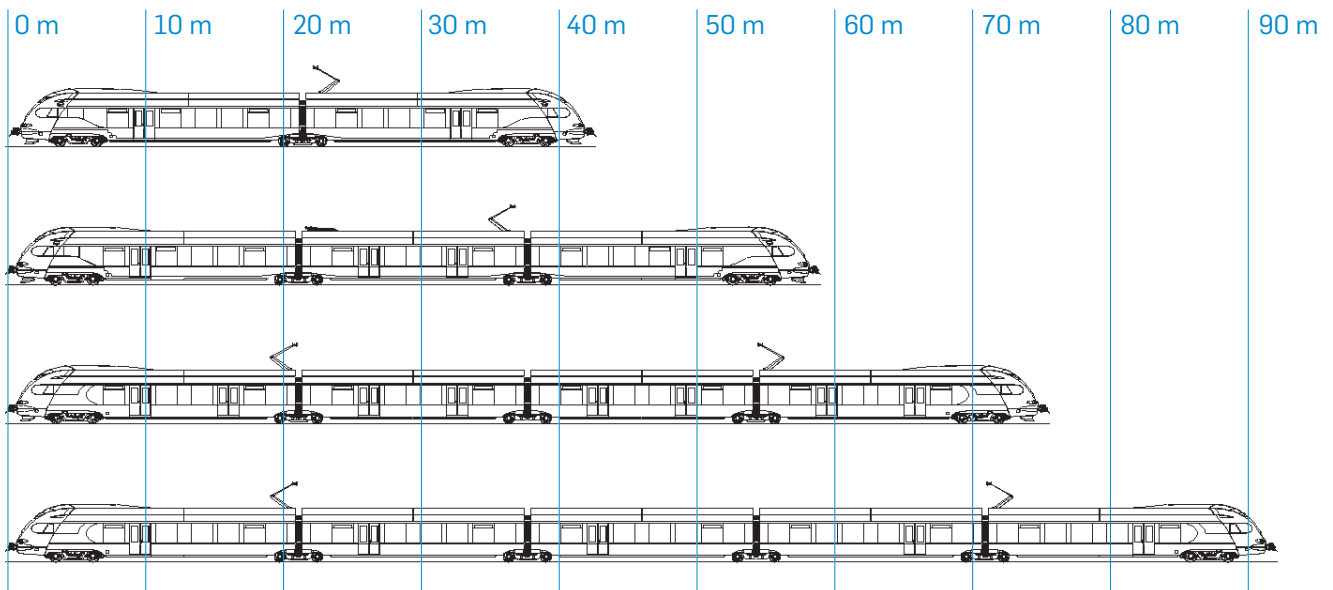
# Low-floor Multiple Units (EMU & DEMU)

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**KONČAR**  
ELECTRIC VEHICLES

# Modular concept



## Technical specifications

	EMU	DEMU
<b>Track gauge</b>	1435 mm	1435 mm
<b>Axle arrangement</b>	Bo'2'2'2'Bo'	Bo'2'2'Bo'
<b>Catenary supply voltage</b>	25 kV, 50 Hz	-
<b>Continuous power (on wheels)</b>	2000 kW	-
<b>Power of diesel motors</b>	-	2 x 390 kW
<b>Maximum speed</b>	160 km/h	120 km/h
<b>Overall length</b>	75000 mm	58500 mm
<b>Carbody width</b>	2885 mm	2885 mm
<b>Height with the lowered pantograph</b>	4280 mm	4280 mm
<b>Number of entrance doors (each side)</b>	4	4
<b>Width of entrance doors</b>	1300 mm	1300 mm
<b>Floor height</b>	600 mm	600 / 1200 mm
<b>Total passenger capacity (Urban and Commuter Operations)</b>	420 passengers (211 sitting places)	-
<b>Total passenger capacity (Regional Operations)</b>	505 passengers (135 sitting places)	323 passengers (160 sitting places)



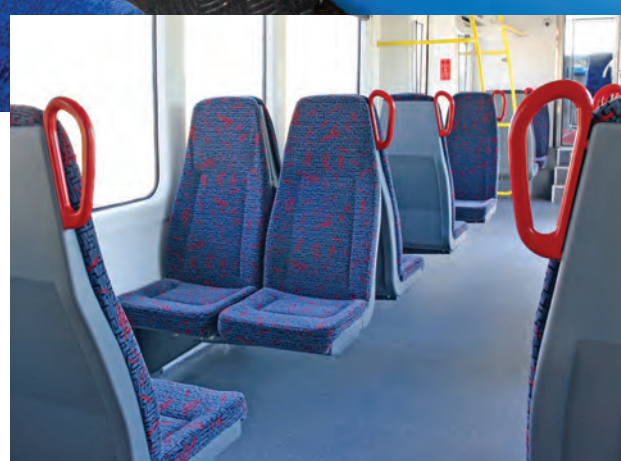
## Key features

- Active and passive safety systems for passengers and operating personnel, compliant with the latest crashworthiness standards
- A fully integrated passenger area without partition walls or doors, allowing for a seamless travel experience
- Air suspension system; HVAC system; comfortable seating
- Wide entrance doors and platform-level floors for easy boarding
- Multi-purpose space for wheelchair users with a hydraulic lift for easier boarding and disembarking



- Eco-friendly vacuum toilets, including one designed for wheelchair users
- Passenger information system (PIS) with visual and audio announcements
- Comprehensive video surveillance covering the entire passenger area
- Designated space for bicycles
- Ergonomically designed and air-conditioned drivers' cab
- Capable of multiple operations with up to three units
- High reliability with low operational and maintenance costs
- GPS positioning
- Vehicle data exchange







# KONČAR

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