

# Urban Electric Multiple Unit Train

This electric multiple unit (EMU) train is designed for urban transportation. It features advanced signaling and control systems for safe and efficient operation.



## Overview

### Urban Electric Multiple Unit Train

This Urban Electric Multiple Unit (EMU) train is engineered for high-efficiency mass transit, featuring a robust design capable of supporting up to 1580 passengers in high-density scenarios. With a design speed of 90km/h and optimized acceleration capabilities, it ensures reliable service for urban transport networks. The train is built with a standard 1435mm gauge and is powered by an elevated catenary AC20500V system, making it a versatile solution for modern city rail infrastructure.

## Performance Metrics

### Performance Highlights

**1.1 m/s<sup>2</sup>**

Initial Acceleration

**0.75 m/s<sup>3</sup>**

Jerk Limit

**Design Speed** 90 km/h

**Max Service Speed** 80 km/h

## Dimensions and Weight

### Vehicle Dimensions

Dimension	Value	Unit
Length	22000	mm
Width	3200	mm
Height	4090	mm

**Axle Load** d17

## Capacity

### Passenger Capacity

- Seating: 200P/Train
- AW2 (6P/m<sup>2</sup>): 1180P/Train
- AW3 (9P/m<sup>2</sup>): 1580P/Train

## Technical Specifications

Power Supply	Elevated catenary AC20500V
Track Gauge	1435 mm
Train Marshalling	4/6 Cars

## Braking Performance

### Braking Deceleration

Brake Type	Deceleration Rate
Mean Service Brake (80km/h-0)	d1.2m/s <sup>2</sup>
Mean Emergency Brake (80km/h-0)	d1.3~1.4m/s <sup>2</sup>

## Bogie and Wheel

### Bogie and Wheel Specs

- Distance between bogie centers: 15000mm
- Wheelbase: 2500mm
- Wheel diameter (New/Worn): 1860/780mm