



MIREO SMART

# Focused on Efficiency

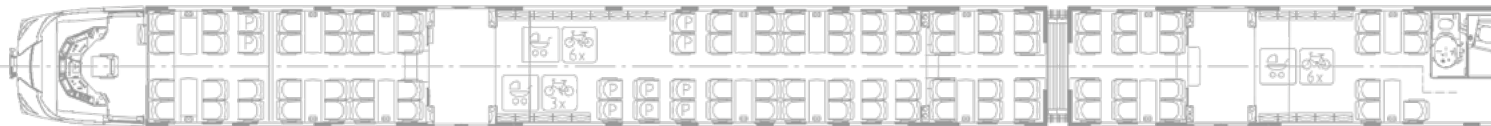
**SIEMENS**

MIREO SMART

# Focused on Efficiency

The world of mobility is changing. Transportation operators have to respond to market requirements more and more rapidly. What can you do to expand your fleet and rapidly cover capacity requirements? The answer lies in Mireo Smart®.

It is entirely focused on efficiency. That means Mireo Smart is the train for everyone seeking to provide an agile response to the requirements of regional and commuter transport – thanks to an extra measure of response speed, reliability, economic efficiency, and service.



## Technical Data

Wheelset arrangement	Bo' 2'2' Bo'
Track gauge	1,435 mm
Length	69,860 mm
Driving power	2,600 kW
Starting acceleration	Up to 0.96 m/s <sup>2</sup>
Voltage system	AC 15 kV, 16.67 Hz
Collision compliance	TSI and EN 15227-compliant
Fire protection	As per EN 45545
Axle load	Line class C <sub>350</sub> as per EN 15528
Wheel diameter	New/worn 880 mm/810 mm
Maximum speed	160 km/h
External power supply	Unbalanced, three-phase, 400 V
Train protection	PZB, equipped for ETCS
Double traction	With Mireo and Desiro HC (depending on model)
Multivehicle traction	Up to 4 units

## Equipment

Step-in height	610 mm or 800 mm
Entry areas	4 per train on each side (each 1,300 mm)
Driver's cab doors	On both sides of each cab
Sliding steps	4 per train on each side
Passenger capacity	214 seated (including 12 seats in 1 <sup>st</sup> class)
Bicycle spaces	21
Wheelchair spaces	2
Toilets	1 universal toilet (as per TSI-PRM)
Com@RL	Secure train-to-ground communication via Siemens IT infrastructure
Air-conditioning as per DIN EN 14750/1, climate zone II (CO <sub>2</sub> -controlled)	
Onboard Internet, passenger information systems, and security monitoring systems (CCTV)	
FIS monitors (large TFT monitors in the entry area)	



#### RESPONSE SPEED

**Get a head start** while others are still waiting

- No more than 18 months from order placement to start of operations.
- Sale is based on a data sheet and fixed conditions.
- Optimally equipped, making the ordering process much easier.



#### RELIABILITY

**Start rolling** while others are still testing

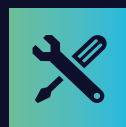
- Dependability thanks to high level of standardization.
- Service-proven components and systems in the Mireo family.
- Extensive tests before delivery.



#### ECONOMIC EFFICIENCY

**Move forward** while others are still calculating

- Attractive price makes it a sensible alternative to refurbishment.
- Double traction of existing Mireo and Desiro HC fleet (depending on model).
- Quickly and easily adaptable capacity for profitable operation.



#### SERVICE

**Start performing** while others are still planning

- Optional delivery with spare-parts and maintenance package.
- Service contract also optional at time of purchase.

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