



LOW-FLOOR PASSENGER COACH SDPP FOR ISR

Viaggio Light

The low-floor Viaggio Light passenger coaches have been in revenue service for Israel Railways (ISR) and are used for national traffic in standard gauge lines. Operational speeds up to 160 km/h with high levels of comfort on board attract many new passengers to railway travel.

Comfort

The coaches for ISR were especially designed for regional traffic and offer a comfortable way to get to work or are suitable for smaller day and city trips. Luggage racks allow bulky and heavy luggage to be stowed in the best possible way and electronic passenger information screens help with keeping the traveler up to date. Minimal noise emissions due to acoustic management in design and manufacturing contribute significantly to an exceptional passenger comfort.

The SF300 bogies are providing highest quality and due to the construction of the bogies for 16 t axle load, the demands made on modern passenger coaches for equipment (comfort, acoustic, fire safety, etc.) and payload can optimally be met. Worth mentioning is the fact that the SF300 bogies are one of Europe's most road-friendly bogies and have been in reliable service all over the continent since 1989.

Accessibility

The cars for ISR were designed to provide the same travel comfort for all passengers, especially a barrier-free entrance, an automatic entrance system and a spacious entrance area contribute decisively to this. There are dedicated wheelchair spaces as well as a roomy universal toilet which is designed for easy usage and maneuverability. Furthermore, a specially developed wheelchair lift for ISR contributes to a more accessible train travel for everybody.

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The cars for ISR combine efficiency and comfort

- Wheelchair lift
- Automatic sliding step for convenient entrance
- Wheelchair area/seats
- PRM toilets
- 160 km/h max. operational speed
- Minimal noise emission
- Diesel generator set in PC car for auxiliary power supply
- Electronic passenger information
- Bulk luggage racks



Technical data

Track gauge	1,435 mm
Length over buffers / couplings	26,400 ^{1) 2) 3)} mm
Carshell length	25,600 ¹⁾ / 26,100 ^{2) 3)} mm
Car height above ToR	4,350 mm
Car width	2,800 mm
Floor height compartment above ToR	1,030 / 1,250 mm
Clear width entrance	2,000 x 800 mm
Clear width passageway	560 mm
Entrance height above ToR	1,030 mm
Pivot pitch	19,000 mm
Bogie wheelbase	2,500 mm
Bogie	SF300
Brake system	3 discs per axle+Mg ¹⁾ / Mg ^{2) 3)}
Wheel diameter (new)	920 mm
Max. service speed	160 km/h
Min. curve radius (uncoupled)	150 (80) m
Tare mass, type dependant	56.1 ¹⁾ / 48.1 ²⁾ / 47.9 ³⁾ t
Total mass, type dependant	63.0 ¹⁾ / 60.5 ²⁾ / 63.0 ³⁾ t
Toilets	1 ^{1) 2) 3)} , vacuum
Power supply	3 x 400 / 230 V AC 50 Hz
Passenger capacity	27 ¹⁾ / 82 ²⁾ / 75 ³⁾ seats
Equipment	Barrier-free entrance, automatic entrance system, air conditioning, wheelchair area / seats, wheelchair lift, PRM toilets, auxiliar diesel generator, electronic passenger information, bulk luggage racks
Homologated Countries	Israel
Car types: 1) PC (Cab car with diesel generator set) 2) TC (Trailer car)	3) TCHC (Trailer car / wheelchair equipment)

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