

Technical Data Bi-Level Sleeping Railcar WLABm 171 and WLBm 172



Boarding from platform heights:	350 mm ... 760 mm
Doors per side:	1
Access door:	sliding plug door 800 mm clear width, operated by compressed air
Number of 1st class beds/seats in WLABm:	8
Number of 2nd class beds/seats in WLABm:	18 or 26, depending on conversions
Number of 2nd class beds/seats in WLBm:	36 or 42, depending on conversions
Layout of passenger area:	2 berths in bunk-bed arrangement in each compartment
Number of public/shared toilets:	2
Wet room in 1st class compartment:	WC, shower, vanity with washbasin
Washing facility in 2nd class compartments:	Vanity with washbasin in compartment
WC:	vacuum system
Service compartment:	with coffee machine, water heater, fridge, dishwasher, microwave and convection ovens, rubbish container, sockets 230V 50Hz, shaving socket, call station, monitor for CCTV
Windows:	Fixed windows, in corridor some windows have hinged fanlight
Maximum speed:	200 km/h

Railcar body:	lightweight steel construction
Tare weight WLABm with half inventories:	58.2 t
Total weight WLABm:	64 t
Tare weight WLBm with half inventories:	57.6 t
Total weight WLBm:	64 t
Length over buffers:	26 900 mm
Railcar body width:	2 800 mm
Height above rail top edge:	4 320 mm
Distance between bogie pivots:	19 900 mm
Bogie:	Talbot, SGP
Bogie wheel base:	2 500 mm
Wheel diameter, new:	920 mm
Wheel diameter, worn:	860 mm
Minimum unconstrained curve radius, tare or gross:	150 m
Small unconstrained curve radius, unladen and uncoupled:	80 m
S-curves with 6 m intermediate straight track sections, tare or gross:	150 m
S-curves without intermediate straight track sections, tare or gross:	190 m
Floor height above rail top edge in boarding area:	1 280 mm
Floor height above rail top edge in side corridor:	1 338 mm
Floor height above rail top edge in top deck:	2 332 mm
Floor height above rail top edge in lower deck:	344 mm
Loading gauge above 400 mm rail top edge:	UIC MB 506 VE GA
Loading gauge below 400 mm rail top edge:	UIC MB 505-2 Appendix 1
Buffers, coupling hook, coupling:	UIC
Automatic coupling:	installation coupling to UIC-MB 567-3 foreseen
Brake disks:	3 internally ventilated axle-mounted brake disks per wheelset
Brake cylinder:	Single brake cylinder
Secondary suspension:	air suspension (air ride) with additional air volume
Battery:	385Ah, 24V
CCTV:	available