



## **GTW DMU 2/8 low-floor** **for Connexion/SAN, Stadsregio Arnhem Nijmegen**

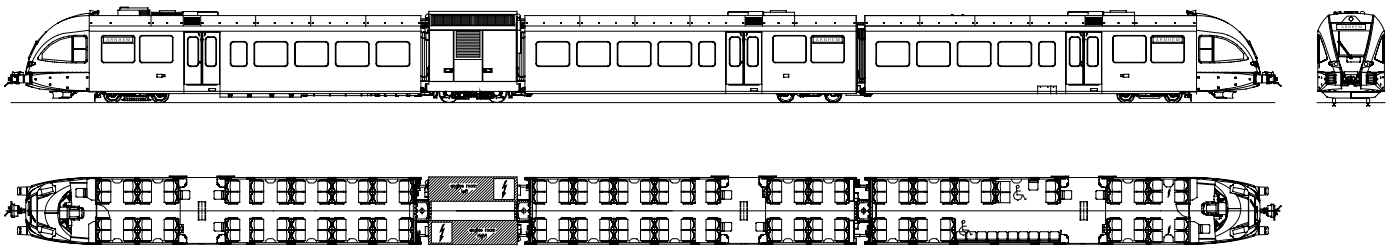
Based on the diesel articulated railcars for regional rail service in the provinces of Groningen and Friesland, Stadler developed a new generation of GTW DMU for Stadsregio Arnhem Nijmegen. The trains are equipped with economic diesel engines (Stage 3b). Remarkable is the excellent comfort with air-suspension, 2&2 seating arrangement and extra wide seat pitch. WLAN, passenger counting system and a new ethernet based passenger information system with TFT-screens is installed. STADLER GTW DMU fulfil the requirements of TSI PRM and the norms of energy absorption in case of a collision.

With the 4th generation of GTW DMU, Stadler presents an approved, modern and economic railcar for an excellent service in public transport.

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## Technical features

- Bright, friendly interior with large windows and spacious multipurpose area. Low floor section >75%.
- Extra wide seat pitch
- Interior and exterior design according to TSI PRM
- Air-conditioned passenger and driver compartments
- Prepared for installation of closed toilet system
- Body structure fulfils the EN standard for energy absorption in the event of collision
- 3 entrance doors per side
- Air-suspended power and trailer bogies
- Ergonomically designed driver's cab
- Traction equipment housed in a separate power car
- Redundant traction chain consisting of two units, each with a diesel engine, asynchronous generator, IGBT power converter and asynchronous drive motor
- Diesel engine fulfils requirements of Stage 3b
- Vehicle control system with train bus and diagnostics computer
- Multiple-unit control for up to four vehicles
- WLAN access
- Passenger counting system
- New ethernet based passenger information system with TFT-screens



## Vehicle Data

## GTW 218

Customer	Connexxion/SAN
Lines operated	Arnhem–Doetinchem
Gauge	1.435 mm
Axle arrangement	2'2'Bo'2'
Number of vehicles	9
Service start-up	2012
Seating capacity 2. Kl.*	155
Seating capacity 1. Kl.	8
* Whereof fold up seats	19
Floor height	
Low floor	830 mm
High floor	996 mm
Door width	1'300 mm
Longitudinal strength	1'500 kN
Overall length	55'937 mm
Vehicle width	2'950 mm
Vehicle height	4'035 mm
Tare weight	89 t
Bogie wheelbase	
Power unit	2'100 mm
Trailer unit	2'100 mm
Powered wheel diameter (new)	870 mm
Trailer wheel diameter (new)	750 mm
Maximum power at wheel	600 kW
Starting tractive power	80 kN
Maximum speed	140 km/h