



Articulated EMUs GTW 2/6 and GTW 2/8 low-floor for Arriva Netherlands

Arriva has procured 7 new electrical articulated railcars engineered for running on 1500V direct-current voltage. These vehicles were adapted from the 1 double-unit diesel-electric GTW 2/6 and 6 three-unit GTW 2/8 vehicles constructed for Groningen-Friesland which will go into service in the year 2008. This latest procurement will service regional traffic on the Dordrecht - Geldermalsen line in the Zuid Holland Province (Merwede-Lingelijn).

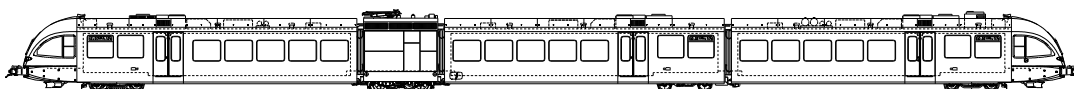
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GTW 2/6



GTW 2/8



Technical features

- Spacious multipurpose area in entrance sections
- Large panorama windows for a bright, attractive interior
- Air-conditioned passenger and driver compartments
- Stepless passenger compartment with wide doors: low floor section > 75%
- Body structure fulfils the future EN standard (takes effect in 2007) for energy absorption in the event of collision
- 2 to 3 entrance doors per side
- Spacious multipurpose area in entrance sections
- Air-suspended power and trailer bogies
- Ergonomically designed driver's cab
- Traction equipment housed in a separate power car
- Redundant traction system
- Vehicle control system with train bus and diagnostics computer (CAN open bus)
- Multiple-unit control for up to four vehicles

Vehicle Data

GTW 2/6

GTW 2/8

Customer	Arriva Netherlands	"
Lines operated	Dordrecht - Geldermalsen	
Gauge	1'435 mm	"
Supply voltage	1.5 kV DC	"
Designation	-	-
Axle arrangement	2' Bo 2'	2' Bo 2' 2'
Number of vehicles	1	6
Service start	2008	2008
Seating capacity (2 nd class)	92	148
Fold up seats	21	24
Floor height		
Low floor	830 mm	"
High floor	996 mm	"
Door width	1'300 mm	"
Longitudinal strength	1'500 kN	"
Overall length	40'890 mm	55'937 mm
Vehicle width	2'950 mm	"
Vehicle height	4'300 mm	"
Tare weight	appr. 64.5 t	appr. 83 t
Bogie wheelbase		
Power unit	2'100 mm	"
Trailer unit	2'100 mm	"
Powered wheel diameter (new)	860 mm	"
Trailer wheel diameter (new)	750 mm	"
Continuous power at wheel	700 kW	"
Maximum power at wheel	1'100 kW	"
Starting tractive power	80 kN	"
Maximum speed	140 kph	"