



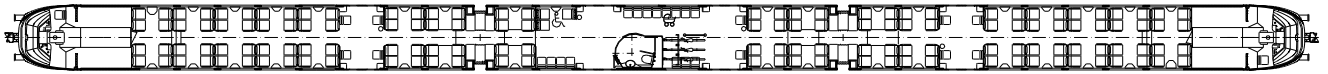
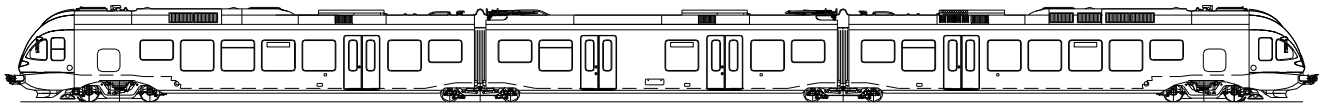
## ***Electric Low-floor Multiple-unit FLIRT for Ferrovie del Gargano, Italy***

For the Foggia to Lucera (Apulien) route, Ferrovie del Gargano (FdG) has ordered 3 three-part low-floor type FLIRT railcars. The FLIRT (Fast Light Innovative Regional Train) is setting a new course in suburban transport in southern Italy too. A walk-through passenger compartment optimized to a platform height of 550mm, fully air-conditioned passenger compartments, a modern passenger information system with flat-screen monitors as well as an open and transparent interior design, round off the modern interior fittings. Another outstanding feature is the FLIRT's fast acceleration capability, which makes it possible to extend the train by 1 to 3 intermediate cars and thereby adapt it to increasing passenger numbers.

Stadler Bussnang AG  
Industriestrasse 4  
CH-9565 Bussnang, Switzerland  
Phone +41 (0)71 626 20 20  
Fax +41 (0)71 626 20 21  
stadler.bussnang@stadlerrail.ch

A Stadler Rail Group Company  
Industriestrasse 1  
CH-9565 Bussnang, Switzerland  
Phone +41 (0)71 626 21 20  
Fax +41 (0)71 626 21 28  
stadler.rail@stadlerrail.ch

[www.stadlerrail.com](http://www.stadlerrail.com)



## Technical features

- Bright, passenger-friendly interior with customized design
- End-to-end walk-through passenger compartment, with no steps
- Low-floor section > 90%
- Spacious multipurpose area in entrance section
- 4 doors on each side for rapid passenger access
- Air-conditioned passenger and driver compartments
- Vacuum toilet system, also suitable for the disabled
- Ergonomically designed driver's cab
- Glass fibre reinforced front section with automatic coupling
- Welded extruded aluminium superstructure
- Air-suspended bogies
- Redundant traction chain with water-cooled IGBT power converters
- Vehicle control system with train bus and diagnostics computer (CAN open bus)
- SCMT Railway Supervision Systems (RFI compliant)
- Multiple-unit control for up to three vehicles

## Vehicle data

Customer	Ferrovie del Gargano, Italy
Lines operated	Foggia - Lucera
Gauge	1'435 mm
Designation	-
Catenary supply voltage	3 kVDC
Axle arrangement	Bo' 2'2'2' Bo'
Number of vehicles	3
Service start-up	2009
Seating capacity	139
Fold up seats	25
Standing capacity (4 pers./m <sup>2</sup> )	148
Floor height	
Low floor	600 mm
High floor	850 / 1'120 mm
Door width	1'300 mm
Longitudinal strength	1'500 kN
Overall length	57'978 mm
Vehicle width	2'880 mm
Vehicle height	4'275 mm
Tare weight	102 t
Bogie wheelbase	
Power bogie	2'700 mm
Trailer bogie	2'700 mm
Powered wheel diameter (new)	860 mm
Trailer wheel diameter (new)	750 mm
Continuous output at wheel	2'000 kW
Maximum output at wheel	2'600 kW
Starting tractive power	
(up to 47 km/h)	200 kN
Max.acceleration at gross weight	1.3 m/s <sup>2</sup>
Maximum speed	160 kph

