For operation on the Mittelland line, Alpha Trains uses 13 double-deck trains KISS. The operation of the trains started in December 2015 between the following stops: Braunschweig–Hannover–Minden–Bielefeld/Rheine. The 6-part vehicles have 627 seats, of which 34 are located in 1st class. The modular design allows individual adjustment to the regional requirements – therefore this trains offer generous multi-purpose areas for up to 42 bikes.
Technology

- Powered head vehicle and middle vehicle
- Car bodies consist of a fully welded aluminium integral design
- Boarding height optimised for “550” platforms
- Air-sprung motor and carrying bogies
- Meets TSI PRM and TSI Noise requirements

Comfort

- 18 bicycle stands, possible to increase to 42 during summer
- Additional possibilities to store luggage in each lower and upper deck
- Light, air-conditioned passenger compartment with individual layout
- LED lighting in the passenger compartment
- Generously sized boarding areas encourage the optimal passenger flows
- 4 closed toilet systems conforming with TSI PRM
- A toilet cabin also suitable for electronic wheelchairs
- 12 access doors per side
- Gap bridging on all doors

Staff

- Ergonomically designed driver’s cab

Reliability / Availability / Maintainability / Safety

- Meets the requirements of DIN EN 15227 (Crash Standard)
- Meets fire protection level 3 in accordance with DIN 5510-1 and operating class 2 in accordance with CEN/TS 45545-1
- Video surveillance in the internal space

Vehicle data

Customer: Alpha Trains
Operator: WestfalenBahn GmbH
Number of trains: 13
Lines operated: Braunschweig–Hannover–Minden–Bielefeld/Rheine
Start of operation: December 2015
Gauge: 1,435 mm
Supply voltage: 15 kV, 16 2/3 Hz
Axle arrangement: 2'Bo'+2'2'+Bo'2'+2'2'+2'2'+Bo'2'
Seats: 627
1st class: 35
2nd class: 592 (of which 69 folding seats)
Standing capacity (4 pers./m²): 844 people
Floor height: Lower deck 440 mm (over rail level), Upper deck 2,515 mm (over rail level)
Door width: 1,300 mm
Floor height: 600 mm
Length overall: 156,450 mm
Vehicle width: 2,800 mm
Vehicle height: 4,630 mm
Bogie wheelbase: in the bogie, 2,500 mm
Maximum speed: 160 km/h
Drive: rated power 6 × 500 kW, max. power 6 × 750 kW