In December 2009, Stuttgarter Strassenbahnen AG ordered 20 DT 8.12 with an option for an additional 20 DT 8.12 for use in the Stuttgart in the city area of Stuttgart. An option for an additional 20 vehicles was exercised in December 2013. These vehicles will be delivered to Stuttgarter Strassenbahnen AG from November 2016 to the end of 2017.

The high-floor vehicles have a length over coupling of 39.1 metres. A carriage width of 2.65 metres makes the bright passenger area appear particularly spacious. The bi-directional vehicles have a gauge of 1'435 millimetres.

The DT8.12 is based on the Tango city rail range of vehicles. Based on a modular vehicle system using established bogie technology, the Tango is ideal for adapting to inner-city infrastructure.
Technical features

Vehicle data

Customer
Stuttgarter Strassenbahnen AG

Area serviced
Stuttgart area

Number of vehicles
40

First delivery
2012/2016

Vehicle length (coupling)
39110 mm

Vehicle width
2650 mm

Height (over roof-mounted components)
3715 mm

Access height
1000 mm

Floor height (100% HF)
1000 mm

Passable gradient
9%

Gauge
1435 mm

External sliding plug doors
4 per side

Wheel diameter
740/660 mm (new/worn)

Catenary voltage
750 V DC

Drive system
8 x 130 kW

Max. speed
80 km/h

Seats
106 (incl. tip-up seats)

Standing capacity (4 pers./m²)
146

Min. curve radius
50 m

Technology

- Bi-directional vehicle
- Motor bogies with pneumatic suspension
- Double traction capability
- Spacious articulated area with fixed interior panelling
- Ideally adapted to existing infrastructure
- Special features:
  - Head shape
  - Colour scheme
  - Interior design
  - Rear view mirror/cameras
  - LED lighting in interior
  - Crash elements (crashworthiness)

Comfort

- 100% high-floor
- Eight double sliding plug doors (4 on each side)
- Barrier-free access throughout the passenger compartment
- Bright, friendly passenger area
- Dedicated access for mobility impaired customers
- Air-conditioned passenger compartment and driver’s cab

Personnel

- Modern, ergonomically designed driver’s cab
- Transparent rear walls in driver’s cab

Reliability / Availability / Maintainability / Safety

- Pneumatic brake system