

Tramlink Low-Floor Light Rail Vehicle

ERFURTER VERKEHRSBETRIEBE AG, GERMANY



In 2018, Erfurter Verkehrsbetriebe AG (EVAG) ordered a total of 14 multi-articulated, 100% low-floor TramLink light rail vehicles for service in Erfurt. The low-floor design, multiple multipurpose areas, five double-leaf doors, and two single-leaf

doors enable a rapid flow of passengers. The light rail vehicles are 42.5 meters long, 2.3 meters wide, can accommodate 248 passengers, and meet BOSTRAB requirements.

Project featuers

TramLink is a modern, modular, multi-articulated tram that features an innovative, solid-axle bogie, which ensures a smooth and comfortable ride.

Kiepe Electric supplies reliable and innovative technology for these vehicles. Kiepe's equipment includes the complete vehicle control and drive systems. This also includes motor heat recovery for heating the passenger compartment, as well as climate control for the passenger and driver compartments.

CO2 sensors ensure that energy is saved for air conditioning through a recirculation system based on these readings; only as much fresh air as is necessary based on air quality is heated or cooled.

Kiepe Electric also supplies the interior video surveillance system and an exterior camera system for monitoring the rear doors, passenger infotainment, and a modern control display in the driver's cab.

- Unidirectional Vehicle
- Wheelchair-accessible, continuous low-floor passenger compartment
- Using Engine Waste Heat to Heat the Passenger Compartment
- Air-conditioned passenger compartment and driver's compartment
- CO2 sensors ensure that a recirculating air system based on this technology can save energy in air treatment, since only as much fresh air as is necessary based on air quality needs to be heated or cooled
- Indoor and outdoor video surveillance camera system for monitoring the rear doors
- Onboard passenger infotainment and Wi-Fi
- Modern control display in the driver's cab
- An audio announcement system informs visually impaired passengers at bus stops about the arriving vehicle

Vehicle data

Vehicle weight (empty)	53 t	Seating capacity	102
Vehicle lenght	42,49 m	Standing places	146
Vehicle width	2,3 m	Wheel diameter	600 / 520 mm
Vehicle height	3,56 m	Contact Wire Tension	DC 750 V acc. to DIN EN 50163
Percentage of low-floor vehicles	100 %	Drive	6 x 100 kW
Step-in height	300 mm	Maximum speed	70 km/h
Track width	1000 mm	Approval	BOStrab
Doors	7		

Technical drawing



