



TRAMLINK LOW-FLOOR LRV

ERFURTER VERKEHRSBETRIEBE AG, GERMANY

In 2018, Erfurter Verkehrsbetriebe AG (EVAG) ordered a total of 14 multi-articulated, 100% low-floor TramLink light rail vehicles (LRVs) to operate in Erfurt. The vehicles' low-floor design, numerous multi-purpose zones, five double-leaf doors and two single-leaf doors are all optimized for rapid passenger flows. At 42.5 meters long and 2.3 meters wide, the LRV can transport up to 248 passengers and comply with Germany's BOStrab regulations. TramLink is a state-of-the-art, modular, multi-articulated LRV featuring innovative, real-axle bogies that deliver a smooth, comfortable ride.

Kiepe Electric is supplying a number of innovative, highly reliable technologies for the new vehicles, including the entire vehicle control system and drivetrain. Kiepe is also supplying an HVAC system for the passenger compartment and driver's cab that uses waste heat from the electric motors to heat the passenger compartment. The system utilizes air recirculation technology that uses feedback from CO₂ sensors to save energy by only heating or cooling as much fresh air as is required to maintain interior air quality. Other equipment supplied by Kiepe Electric includes interior video surveillance and passenger infotainment systems, as well as an external camera system for monitoring the rear doors, plus a state-of-the-art operator's display panel in the driver's cab.



KIEPE ELECTRIC

PROJECT CHARACTERISTICS

- Unidirectional vehicle
- Easy-access, barrier-free, 100% low-floor passenger compartment
- Waste heat from electric motors used to heat passenger compartment
- Air-conditioned passenger compartment and driver's cab
- HVAC system's air treatment and recirculation facility uses CO₂ sensors to save energy by only heating or cooling as much fresh air as is required to maintain interior air quality.
- Interior video surveillance plus external camera system for monitoring rear doors.
- Onboard infotainment and Wi-Fi for passengers.
- State-of-the-art operator's display panel in driver's cab.
- Acoustic alert warns visually impaired passengers at/near LRV stops that the vehicle is approaching.

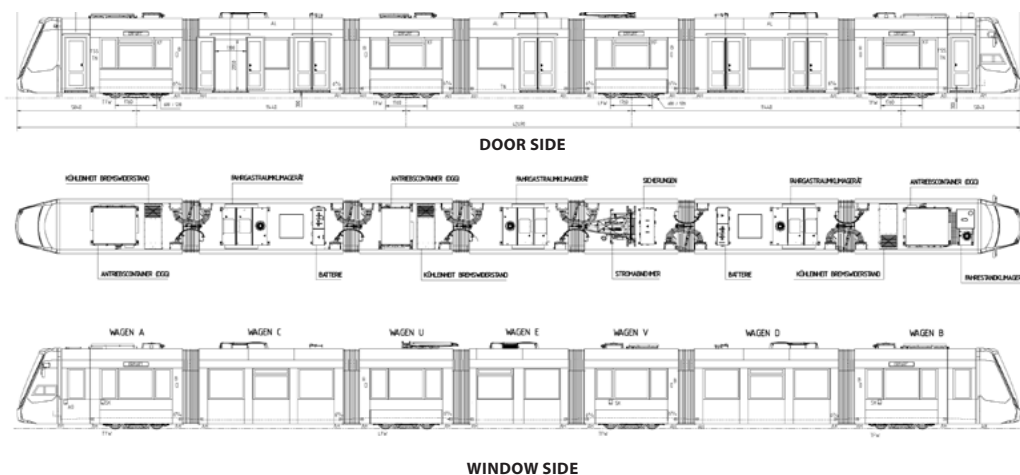
BASELINE SPECIFICATIONS

Empty weight	53 t
Vehicle length	42.49 m
Vehicle width	2.3 m
Vehicle height	3.56 m
Low-floor configuration	100%
Boarding height	300 mm
Track gauge	1000 mm
Doors	7

Seated passengers	102
Standing passengers	146
Wheel diameter	600 / 520 mm
Overhead line voltage	750 V DC as per DIN EN 50163
Traction drive	6 x 100 kW
Top speed	70 km/h

Subject to change without notice.

ILLUSTRATION



Kiepe Electric LLC

359 Curie Drive
 Alpharetta, GA 30005
 United States of America
 Phone: +1-770-754-0918
 Fax: +1-770-754-0961
 info.usa@kiepe.knorr-bremse.com
 www.kiepe.knorr-bremse.com

