

NGT 8 Low-floor Light Rail Vehicle

DORTMUND, GERMANY



DSW21 keeps the city of Dortmund moving. Over 127 million passengers use the well developed network of bus, streetcar and light rail lines every year.

A total of 111 streetcars and light rail vehicles operate on eight lines covering over 100 km.

Project characteristics

New light rail vehicles for greater comfort and accessibility.

Since 2010, the city of Dortmund has received 47 new low-floor light rail vehicles to support lines 403 and 404. These low floor LRVs offer passengers an improved travel experience, with air-conditioned passenger compartments, an ergonomic driver's area and modern safety technology to ensure maximum comfort.

As a system supplier, KIEPE equips the vehicles with innovative drive and control technology, redundant on-board power supply systems, efficient air conditioning, and a digital passenger information system.

The result: smooth, reliable operation and a significant step toward sustainable mobility for the future.

- bidirectional operation
 - Modular design of the drive, electrical system and control system components
 - Standardized data bus system
- Air conditioning for the driver and passengers
 - External and internal passenger information system displays

Vehicle data

Vehicle length	31.00 m	Seating	64 (71)
Vehicle width	2.40 m	Standing room	114
Vehicle height	3.54 m	Wheel diameter (new / worn)	600 mm / 520 mm
Low-floor vehicle	70 %	Contact wire voltage	DC 750V / 600 V
Entry level	400 mm / 200 mm - swivel step	Drive	4 x 105 kW
Track gauge	1,435 mm	Maximum speed	70 km/h
Doors	3 per side	Special features	Bidirectional operation, 2 IGBT on-board converters

Subject to change without notice

Technical drawings



