

DIWA NXT

Automatic Transmission



The next generation is ready to roll

Make way for the DIWA NXT – the next generation of our proven DIWA automatic transmission. The standout feature of this groundbreaking mild hybrid system is its optimized efficiency: it features seven gears, a frequency inverter, and a secondary retarder. The optional central recuperation unit (CRU) transforms the DIWA NXT into a fully functional 48 V mild hybrid system, improving fuel efficiency, enabling electric-assist functions, and recovering braking energy in both city and regional buses. The entire system is developed and manufactured in accordance with the latest automotive standards, including ISO 26262.

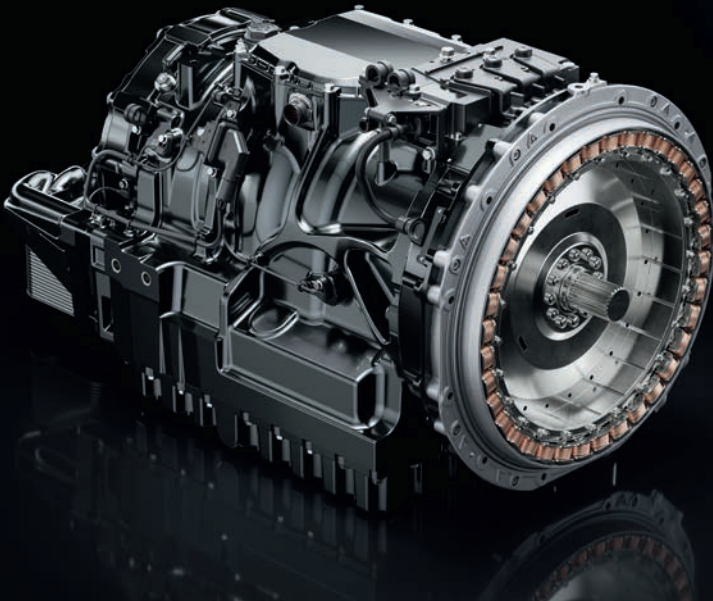
DIWA NXT also offers additional practical features such as stop-start, coasting, recuperation during braking, or boost support. It thus bridges the gap between diesel drives and alternative technologies – and is Driventric's logical response to the continuously growing demand for efficient and environmentally friendly drive solutions.

Key advantages of DIWA NXT

- Suitable for diesel, CNG, HVO, B100, and hydrogen drives
- Reduced fuel consumption
- Reduced pollutant and noise emissions
- Low maintenance costs
- Simplified installation

DIWA NXT

Technical data



- Suitable for all types of internal combustion engines
- Total of 7 gears
- Integrated frequency inverter
- Integrated secondary retarder

- Central recuperation unit (CRU)
- 25 kW continuous power
- Up to 35 kW recuperation output
- 48 V motor with 300 Nm starting torque

Up to **7%** + Up to **9%** = Total up to **16%**

savings through the transmission savings through the hybrid system reduction in fuel consumption

