



EURO DuFour

Cutting-edge technology

EURO DuFour is the cutting-edge 4-axle locomotive family introduced by Stadler for both freight and passenger transport across Europe.

The innovative locomotive platform integrates the most advanced technology and complies with the latest TSI standards, ensuring exceptional performance and reliability. Thanks to their reduced weight, these locomotives can run on all types of railways lines, including secondary lines. Designed with versatility in mind, EURO DuFour locomotives are available in hybrid versions with combustion engines and/or batteries to operate efficiently in areas without overhead electric lines, providing not only last-mile connectivity. They can also feature hybrid and/or digital automatic couplers (DAC).

Stadler's new locomotives are not just a leap forward in technology; they represent a commitment to efficiency, sustainability, and excellence, redefining standards for the industry.

Stadler Rail Group

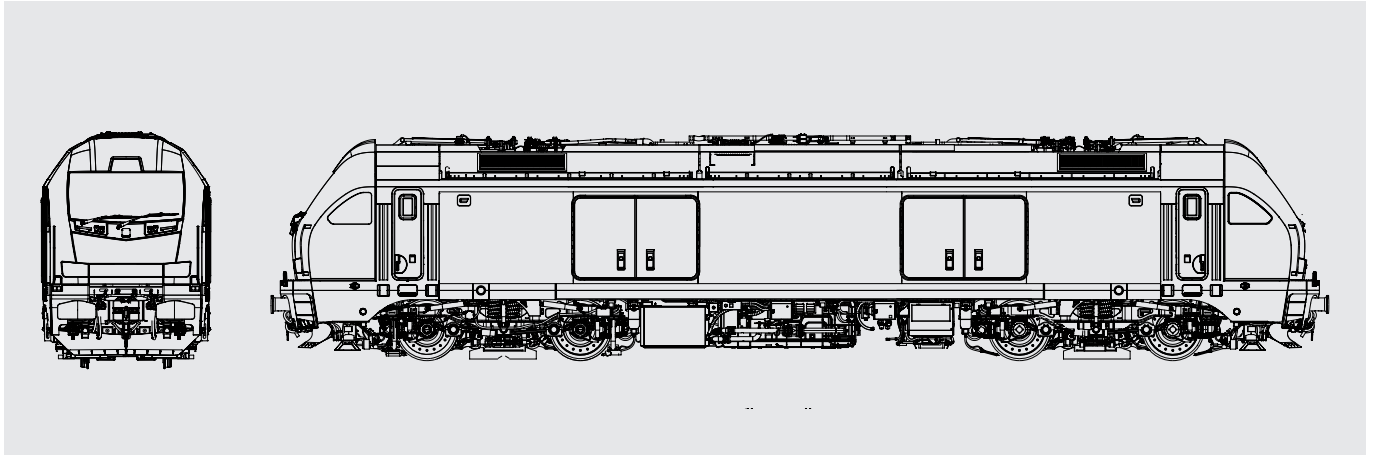
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Technical features

Technology

- Applications: freight and optionally passenger transport
- Based on subsystems and components from proven models
- High-efficiency: tri-level inverter technology
- High starting and continuous tractive effort
- High-performance electric brake with energy recovery
- Lightweight monocoque structure made of high-strength low-alloyed steel
- Available in hybrid versions: combustion engine or batteries
- Ready for hybrid and digital automatic coupler (DAC)
- Access to C2/C3/C4 lines

Personnel

- Two driver's cabs with HVAC and universal central desk designed according to safety and ergonomic criteria
- High cab comfort, safety and visibility
- Full cab insulation

Reliability/Availability/Maintainability/Safety

- Compliant with the latest TSI
- Ready for conditioned based maintenance (CBM)
- Reliable subsystems and high level of in-built redundancy
- Designed to minimize downtimes during maintenance activities

Vehicle data

Locomotive Type	Electric Dual-mode: E + D Hybrid-mode: E + Batt
Axle arrangement	Bo'Bo'
Track gauge	1,435 mm
Starting tractive effort	350 kN
Maximum speed	160 km/h (up to 230 km/h)
Electric energy supply	25 kV 50 Hz AC + 15 kV 16.7 Hz AC + 3 kV DC + 1.5 kV DC
Power	E: up to 7 MW D: up to 1 MW Batt: up to 2 MW