

High-Speed AC Propulsion Electric Locomotive

This high-speed electric locomotive utilizes AC propulsion for advanced rail transport. Its aerodynamic design and advanced traction systems ensure efficient and powerful performance on modern railway networks.



Overview

High-Speed AC Propulsion Locomotive

This AC drive high-speed electric locomotive is engineered for efficient passenger transport on main railway lines. It features a lightweight, unitarily load-bearing framework with a quasi-streamliner design that supports modular equipment integration. The locomotive is optimized for high performance, reliability, and ease of maintenance.

Performance & Efficiency

Efficiency Metrics

20 %

Contact Net Current Reduction

50 %

Power Consumption Reduction

40 %

Max Energy Feedback

Power Factor

1 pf

Design & Construction

Design Features

- Quasi-streamliner design
- Lightweight unitarily load-bearing framework
- Modular equipment integration
- Good-sized interlayer top cover
- Trunk ground frame

Operational Benefits

Key Advantages

High Running Performance, Low Energy Consumption, Low Electromagnetic Interference, High Dependability, Regenerative Braking