

Diesel-Electric Co-Co Locomotive for Passenger and Freight

This diesel-electric locomotive utilizes a diesel engine for traction power. It features Co-Co radial bogies, a maximum speed of 120km/h, and is suited for passenger, freight, shunting, and marshaling tasks.



Overview

High-Performance Diesel-Electric Locomotive

This Co-Co locomotive is engineered for versatile use in both passenger and freight transport on main lines and shunting operations. Built to endure demanding environments, it excels in windy, sandy, and high-temperature regions with extreme reliability. Featuring an advanced AC-DC transmission system and a high-output diesel engine, it offers consistent power delivery and precise handling for diverse operational requirements.

Technical Specifications

Engine Performance

1640 kW

Service Output

4000 L

Fuel Tank Capacity

Locomotive Dynamics

| Metric | Value |
|-----------------------|-----------|
| Max Running Speed | 120 km/h |
| Continuous Speed | 21.3 km/h |
| Max Starting Traction | 314 kN |
| Axle Arrangement | Co-Co |

Operational Environment

Track Requirements

- Track Gauge: 1067mm
- Min. Curve Radius: 80m
- Max. Gradient: 30‰

Environmental Limits

Max Temp 50°C, Min Temp -15°C, Max Humidity 90%, Elevation up to 2000m