

# Diesel-Electric Railway Locomotive

This diesel-electric locomotive is engineered for passenger and freight transport. Its modular design ensures interchangeability of parts and reduces maintenance downtime.



## Overview

### High-Performance Diesel-Electric Locomotive

This diesel-electric locomotive is engineered for both passenger and freight transport, offering a robust solution for diverse railway operations. With an engine power of 1500kW and a sophisticated Co-Co axle arrangement, it provides reliable performance and high traction capability. The design prioritizes operational efficiency and durability, making it well-suited for demanding transit conditions.

## Performance Metrics

### Operational Performance

**1500 kW**

Engine Power

**120 km/h**

Max Speed

**355.2 kN**

Max Starting Tractive Effort

## Technical Specifications

### Dimensions and Load

Parameter	Value
Length	d18,200mm
Width	3,400 mm
Height	4,800 mm
Max Axle Load	18 t
Working Weight	d108

### Design Specifications

- Axle Arrangement: Co - Co
- Wheel Diameter: 965 mm (half-worn)
- Coupler Center Height: 880 mm
- Wheel Base: 1800 mm

## Operating Conditions

Minimum Curve Radius

Main Line: 140m, Branch Line: 70m