

# 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