

# Meter-Gauge Diesel-Electric Locomotive for Passenger and Freight Transport

This meter-gauge AC-DC diesel-electric locomotive is designed for trunk line passenger and freight transportation. It is engineered for reliability, fuel efficiency and suitability for various track gauges.



## Overview

### High-Performance Diesel-Electric Locomotive

This diesel-electric locomotive is engineered for versatile mainline passenger and freight transportation. It utilizes a robust electric control diesel engine paired with a high-efficiency synchronous generator and reliable traction motors. Designed for 1000mm gauge tracks, it offers significant tractive effort and operational flexibility for diverse railway networks.

## Performance Metrics

### Key Performance Indicators

**120 km/h**  
Max Speed

**250 kN**  
Starting Tractive Effort

**200 kN**  
Continuous Tractive Effort

## Technical Specifications

### Dimensions and Weight

Parameter	Value
Overall Dimensions (LxWxH)	16892mm x 2900mm x 3900mm
Service Weight	81t
Axle Load	13.5t
Wheel Diameter	1000mm

### Track Compatibility

- Gauge: 1000mm
- Axle arrangement: Co—Co
- Min. negotiable curve radius: 70m
- Wheel base: 2x1.65m

## Mechanical Systems

### Core Powertrain Components

Synchronous generator, Traction motors, Electric control diesel engine

## Consumables & Capacity

### Fluid and Material Capacities

- Fuel capacity: 3500L
- Oil capacity: 318kg
- Water capacity: 600kg
- Sand capacity: 400kg