

# Diesel Locomotive 3860kW

Equipped with a 16V280ZJA diesel engine and JF204D synchronous main generator, this locomotive delivers 3,860kW of power. Its 3-axle bogie is designed to handle heavy loads.



## Overview

### High-Performance Diesel Locomotive

This 3860kW diesel locomotive is engineered for reliable main line passenger transportation. Designed to operate under diverse environmental conditions, it handles temperatures from -40°C to +50°C and altitudes up to 1600m. Its robust Co-Co axle arrangement and advanced engine technology ensure consistent performance, efficiency, and heavy-duty hauling capability.

## Performance Metrics

### Engine Power

**3860 kW**  
Rated Power

**5250 hp**  
Rated Power

**3680 kW**  
Service Power

### Operational Speed

**120 km/h**  
Max Running Speed

**35.5 km/h**  
Continuous Speed

## Technical Specifications

Axle Arrangement	Co-Co
Track Gauge	1520 mm
Axle Load	23±0.69t
Calculated Service Weight	138±4.14t

## Wheel and Track

### Wheel Dimensions

Dimension	Value
Wheel Diameter	1050mm
Wheel Width	140+3-1 mm

## Operating Environment

### Environmental Capability

- Ambient temperature: -40°C to +50°C
- Altitude: 30m to 1600m
- Relative humidity: 20% to 100%
- Max gradient: 9.8‰