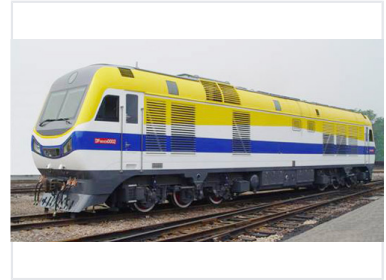


# High Power Diesel Locomotive for Rail Transport

This high-power diesel locomotive is designed for railway transportation. It utilizes an AC-DC transmission system for efficient operation.



## Overview

### High-Performance Freight Locomotive

This high-power diesel locomotive is engineered specifically for demanding freight transportation on main line rail networks. Utilizing an advanced AC-DC electric transmission system, it delivers robust traction and reliable performance across diverse operating environments. Designed for efficiency and durability, this locomotive supports heavy-duty hauling with a maximum service power of 3100kW.

## Performance Metrics

### Key Performance Indicators

**3100 kW**

Max Service Power

**100 km/h**

Max Service Speed

**369 kN**

Continuous Traction Effort

## Technical Specifications

Transmission System	AC-DC electric transmission
Axle Arrangement	Co-Co
Axle Load	25.75 t
Calculated Gross Weight	150 t
Fuel Tank Capacity	9000 L

## Operating Environment

### Operating Conditions

- Ambient Temperature: -18°C to 45°C
- Max Altitude: 1200m
- Relative Humidity: 100%

## Dimensions

### Locomotive Dimensions

Dimension	Value	Unit
Length (Between Coupler Pulling Faces)	22000	mm
Width	2950	mm
Height	4650	mm