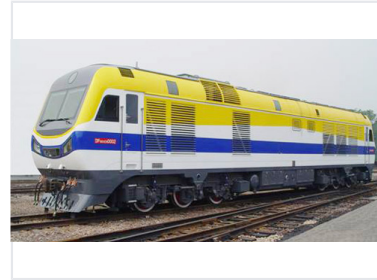


High Power Diesel Locomotive for Rail Transport

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