

SDD5 Fixed Tandem Diesel Locomotive for Freight Transport

This diesel locomotive is designed for trunk line freight transportation. It is equipped with a 3,240kW diesel engine and synchronous brushless excitation.



Overview

High-Performance Freight Locomotive

The SDD5 fixed tandem diesel locomotive is engineered for demanding main line freight transportation. Its robust tandem configuration provides enhanced power and tractive effort to meet heavy-duty hauling requirements. Designed for reliability, the unit operates efficiently across diverse environmental conditions.

Performance Metrics

Power Performance

3240 kW

Engine Rated Power

2940 kW

Engine Service Power

Technical Specifications

Axle Arrangement	Co—Co
Wheel Diameter	1050 mm
Service Weight	138 t
Axle Load	23 t

Operational Conditions

Ambient Temperature	-30 to +40°C
Operating Altitude	350 - 450m
Relative Humidity	75 %

Infrastructure

Gauge	1520 mm
Max Gradient	9‰ ~ 12‰