

CKD9C Freight Diesel Locomotive for Rail Transport

The CKD9C freight diesel locomotive is designed for shunting trunk line freight transportation. It utilizes an AC-DC diesel-electric system and is engineered for national railways.



Overview

CKD9C Freight Diesel Locomotive

The CKD9C is a high-performance freight diesel locomotive engineered for heavy-duty main line transport. Featuring a 16V240ZJB diesel engine and advanced microcomputer control systems, it offers reliable power delivery and efficient operation. This locomotive is built to withstand extreme environmental conditions, ensuring consistent performance across diverse rail networks.

Performance Metrics

Maximum Power

2650 kW
Max Power

3600 HP
Max Power

Service Power

2430 kW
Service Power

3300 HP
Service Power

Technical Specifications

Core Components

- 16V240ZJB Diesel Engine
- TQFR-3000 Synchronous Main Generator
- ZQDR-410 Traction Motor

Gauge & Clearance

Parameter	Value
Gauge	1520 mm
Clearance	1T OCT9238-83

Control & Braking

Microcomputer Control, Rheostatic Braking, Full Power Function, Self-loading Trial Function

Operational Environment

Operating Temperature	-40 to +50°C
Operating Altitude	1600 m
Relative Humidity	20% - 100%
Maximum Gradient	9.8 ‰