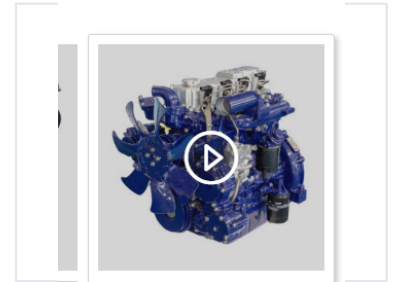


Diesel Engine for Forklift Trucks

This diesel engine is specifically designed for forklift truck applications. It features a 4-cylinder configuration with a 2.27L displacement, delivering 32kW of power at 2600rpm.



Product Overview



High-Performance Industrial Diesel Engine

This diesel engine series is specifically engineered for forklift trucks ranging from 1.5 to 4.5 tons, offering a robust power solution for demanding material handling environments. Developed using advanced 3D design and CAE analysis technology, the engine optimizes structural stiffness to ensure high reliability and strong power delivery. Its compact and lightweight design allows for convenient installation and arrangement across various industrial vehicle platforms.

Core Performance

Key Performance Metrics

32 kW

Rated Output

2600 rpm

Rated Speed

140 N.m

Max Torque

Technical Specifications

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Model	4B4-45M22
Number of Cylinders	4
Bore & Stroke	85 x 100 mm
Displacement	2.27 L
Max Torque Speed	1900 rpm

Efficiency & Emissions

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Emission Standard	State Two
Fuel Consumption Rate	235 g/kw.h

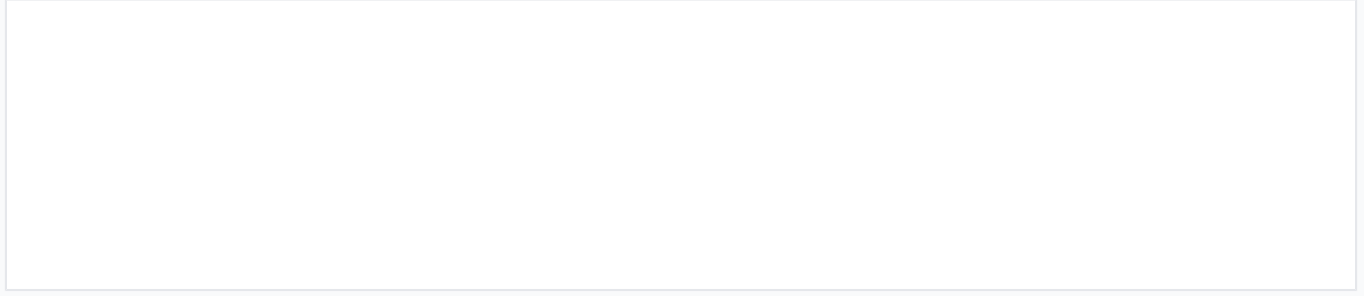
Design Features

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Main Advantages

- Direct injection combustion chamber for easy starting
- Long stroke design for large torque backup
- Strengthened gear system for stable hydraulic PTO output
- High-flow cooling nozzles for thermal management
- Low vibration and noise for operator comfort
- High parts universality with vehicle diesel engines

Applications



Target Applications

Forklift Trucks (1.5-4.5t), Construction Machinery, Agricultural Equipment, Industrial Vehicles