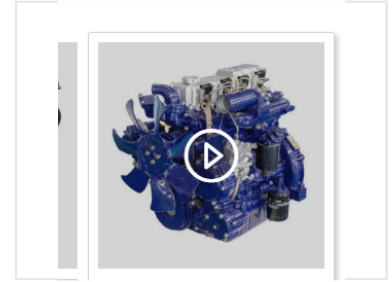


# 39kW Diesel Engine for Forklifts

This 39kW diesel engine delivers 53HP at 2650rpm, specifically designed for forklift applications. It features a direct injection combustion chamber for easy starting and low fuel consumption.



## Overview

### High-Performance Diesel Engine for Industrial Forklifts

This 39kW diesel engine is specifically engineered for forklift series applications, offering a robust power source for vehicles ranging from 1.5 to 4.5 tons. Developed using advanced 3D design software and CAE analysis, the engine structure is optimized for high stiffness and reliability. It features a direct injection combustion chamber for easy starting and excellent fuel economy, making it an ideal choice for demanding industrial environments.

## Performance Metrics

### Key Performance Metrics

**39 kW**

Rated Output

**2650 rpm**

Rated Speed

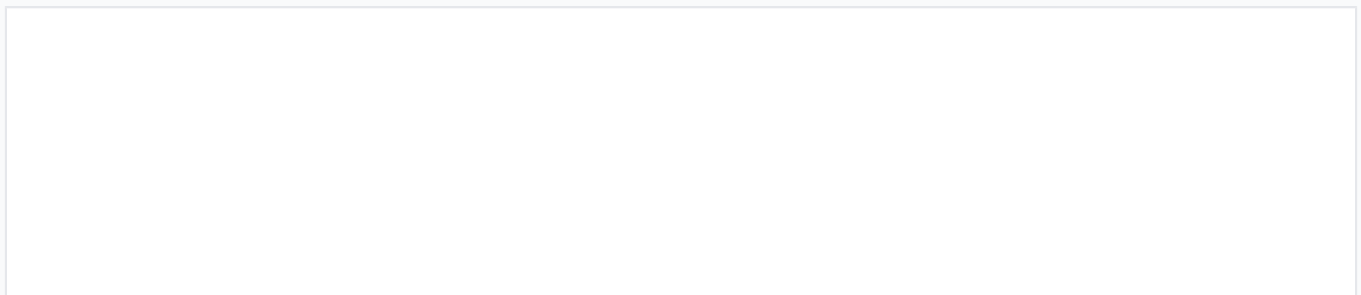
**157 N.m**

Max Torque

**53 HP**

Horsepower

## Technical Specifications



Detailed view of the QC-490GA diesel engine showing the fuel injection system and cooling assembly.

Model Identifier	QC-490GA
Number of Cylinders	4
Displacement	2.67 L
Bore & Stroke	90 x 105 mm
Max Torque Speed	1980 rpm

## Efficiency & Emissions

### Emission Standard

State Two

### Fuel Consumption Rate

232 g/kw.h

## Key Features

### Main Advantages

- Direct injection combustion chamber for low oil consumption
- Long stroke design with large torque backup
- Strengthened gear system with large flow cooling nozzles
- Stable hydraulic PTO power output
- Low vibration and noise levels during operation
- High universality of parts for easy maintenance
- Compact and lightweight structure for convenient installation

## Applications

### Suitable Applications

1.5 - 4.5 Ton Forklifts, Multidirectional Forklifts, Construction Machinery, Industrial Vehicles