

# CG150 Motorcycle Engine

The CG150 motorcycle engine features increased power and decreased fuel consumption. Technical optimizations include bore and stroke structure improvements, reduced piston weight, and a DLC piston ring.



## Overview

The new upgraded CG engine is based on the upgrade and development of the reliable CG engine structure platform. Through the light weight design of the piston and structural optimization design, low speed high torque, low vibration, better performance possible.

- Wear resistant:**
  - Optimal piston structure design and DLC DLC ring technology to extend the engine's service life.
  - High torque, low vibration, low noise.
- Increased performance:**
  - The upgraded CG engine structure design, through the light weight design of the piston and structural optimization design, low speed high torque, low vibration, better performance possible.
- Reduced fuel consumption:**
  - New upgraded CG engine structure design, through the light weight design of the piston and structural optimization design, low speed high torque, low vibration, better performance possible.

Structural optimizations and performance improvements of the new CG150 engine platform.

## Engine Performance Overview

This upgraded CG150 motorcycle engine is engineered for superior performance and reliability. By utilizing lightweight piston designs and structural optimizations, it delivers high torque at low speeds while significantly reducing vibration for a smoother ride. The engine features advanced DLC piston ring technology for enhanced wear resistance, ensuring long-term durability and consistent power output.

## Performance Metrics

### Maximum Power Increase

**12 %**  
Power Increase

### Fuel Consumption Reduction

**10 %**  
Fuel Savings

## Technical Specifications

### Performance Benefits

- Improved start-up acceleration
- Enhanced high-speed performance
- Superior climbing capability
- Reduced engine vibration
- Increased ride comfort

Engine Model Code	HJ157FMI
Key Technical Features	Lightweight Piston Design, DLC Piston Ring, High Torque, Low Vibration, Wear Resistant