

# 550cc Motorcycle Engine

This motorcycle engine is designed for optimal power and reliability. It features a compact design, advanced fuel injection system, and durable construction.



## ADDITIONAL IMAGES



## Overview

### High-Performance 550cc Engine

This 550cc motorcycle engine is engineered for optimal power and reliability, featuring an advanced eight-valve, two-cylinder design with a high compression ratio. Its innovative cooling and mechanical systems, including a built-in balance shaft and direct-drive overhead cams, ensure efficient combustion and minimized vibration. Built for high performance, this engine integrates lightweight components and high-precision parts to maximize durability and service life across diverse riding conditions.

## Technical Specifications

Displacement	550 cc
Cooling System	Liquid circulating water cooling
Valve Configuration	Eight-valve, two-cylinder

## Performance Features

### Performance Highlights

**2**

Cylinders

**8**

Valves

## Engineering Advantages

### Design Advantages

- Double overhead cam rocker-free mechanism
- High-precision DID toothed chain for noise reduction
- Built-in balance shaft for all-direction vibration control
- Lightweight piston for improved power output
- Special spray hole design for piston temperature control

### Engineering Tags

Fuel Efficient, Low Noise, High Durability