

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