

HONDA

Press Information

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2023 HONDA CRF50F



Model updates: The 23YM CRF50F receives a new graphical upgrade keeping it in line with its larger family members, the CRF250R and CRF450R

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1. Introduction

There's simply no better choice for introducing kids to motorcycling than the CRF50F. The pocket-size machine is armed with a fun-but-reliable 49cc air-cooled four-stroke engine with an automatic clutch, and its 10-inch wheels and low seat height instill confidence in

young riders who are just getting started on collecting lifetimes of motorcycling memories. For 23YM it receives a graphic update to keep it in line with its larger CRF250R and CRF450R siblings.

2. Key Features

2.1 Chassis

- ***Steel frame and reinforced swingarm***
- ***Inverted telescopic front forks***
- ***10 x 2.5 spoked wheels for excellent manoeuvrability and ride quality***
- ***CRF450R style bodywork***
- ***Low 548mm seat height***

With a kid-friendly layout and low seat height, the CRF50F is unimposing for young new riders. The steel frame and reinforced swingarm offer an excellent balance of strength and compliance. Inverted telescopic front forks deliver confidence-inspiring performance with 9.4cm of travel, and are paired with a single rear shock to ensure fun, predictable handling. Spring and damping rates are dialled in for optimum comfort and bump absorption.

10 x 2.5in wheels feature 28 spokes and die-cast aluminium hubs and are fitted with wide off-road tyres for excellent manoeuvrability and smooth ride quality. Drum brakes front and rear provide ample stopping power.

The CRF50F wears its heritage with pride. Featuring CRF450R-inspired bodywork, the narrow 11cm wide seat, slim fuel tank and extra-low 548mm seat height provide excellent comfort and mobility for a broad range of young riders.

The motocross style bars feature a padded protector in the middle and high-quality grips to aid control. Folding, serrated foot pegs offer secure footing even in muddy conditions and the plastic mudguards are strong and durable.

For 23YM, the CRF50R wears a striking all red paint scheme and bold new graphics to celebrate Honda's off-road racing pedigree.

2.2 Engine

- ***Fun and practical 49cc single***
- ***11 piston valve carburettor for excellent feedback and throttle response***
- ***Adjustable throttle limiter***
- ***Automatic cam chain tensioner***
- ***Smooth 3 speed transmission***

For youngsters who are new to riding, the priority is having fun, while parents typically look for reliability and ease of maintenance. The CRF50F excels in both.

The CRF50F's SOHC 49cc four-stroke engine delivers smooth, easy to use power. Bore and stroke are 39 x 41.4mm and the 10:1 compression ratio means good performance

and easy kickstarting. The 11mm piston valve carburettor gives the rider excellent feedback and throttle response across the rev range, while strong fuel efficiency means more fun from each tank.

The throttle limiter is adjustable, giving a greater level of security, and a closed crankcase ventilation system safeguards against engine oil contamination.

CD ignition is maintenance-free and the engine features an automatic cam-chain tensioner to maximise endurance. Final drive is taken care of by a durable 420 chain that is both dependable and low maintenance. The air filter is both easy to access and washable.

The CRF50F features a smooth shifting, three speed transmission and a simple-to-use automatic clutch. A keyed ignition and quiet and efficient exhaust give further peace of mind.

3. Technical Specifications

ENGINE	
Type	Air cooled, two valve, four stroke SOHC single cylinder
Displacement	49cc
Bore x Stroke	39.0 x 41.4mm
Compression Ratio	10.0:1
FUEL SYSTEM	
Carburation	11 piston valve carburettor
Fuel Tank Capacity	3.8L (inc. reserve)
ELECTRICAL SYSTEM	
Starter	Kickstarter
DRIVETRAIN	
Clutch Type	Automatic
Transmission Type	Manual 3-speed
Final Drive	Chain

FRAME	
Type	Steel
CHASSIS	
Dimensions (L'W'H)	1298 x 581 x 775mm
Wheelbase	912mm
Caster Angle	25°
Trail	32mm
Seat Height	548mm
Ground Clearance	152mm
Kerb Weight	50.34 kg
SUSPENSION	
Type Front	Inverted telescopic fork. 9.4cm of travel
Type Rear	Single shock. 6.9cm of travel
WHEELS	
Type Front	Aluminium spoke
Type Rear	Aluminium spoke
Tyres Front	2.5 x 10
Tyres Rear	2.5 x 10
BRAKES	
Front	Drum
Rear	Drum

All specifications are provisional and subject to change without notice

Please note that the figures provided are results obtained by Honda under standardised

testing conditions prescribed by WMTC. Tests are conducted on a rolling road using a standard version of the vehicle with only one rider and no additional optional equipment. Actual fuel consumption may vary depending on how you ride, how you maintain your vehicle, weather, road conditions, tire pressure, installation of accessories, cargo, rider and passenger weight, and other factors.