

2007 CR85R / CR85R2 PRESS INFORMATION

With its potent engine and sophisticated long-travel, fully adjustable suspension, the CR85R and larger-wheeled CR85R2 offer young racers big thrills along with big performance to help get quickly up to speed in the exciting world of off-road competition. Small, nimble and light of weight, and with two wheel sizes to choose from, these two entry-level CRs give kids and novices of all sizes an easy way to enjoy all the fun and thrills of motocross riding, while gaining greater confidence with every lap as they hone their dirt track riding skills on a true mini-champion.

Colours

- Extreme Red (with White number plate and sidecovers)

Features and Benefits

Engine/Drivetrain

- Lightweight, liquid-cooled 84.7cm³ engine develops impressive power. NiCaSil-plated cylinder ensures excellent cooling and wear characteristics.
- Cylinder and cylinder head designs boost engine torque for powerful acceleration.
- Piston complements both cylinder and engine power characteristics.
- Reed-valve induction and 28mm carburettor deliver crisp throttle response throughout the engine's rev range.
- Flat-slide PWK-type 28mm carburettor provides ideal throttle response throughout the powerband.
- Maintenance-free digital transistorised capacitor discharge ignition (CDI) maximises power output at all engine speeds.
- Heavy-duty clutch features rugged friction discs for excellent durability.
- Slick-shifting close-ratio 6-speed transmission.
- 49-tooth rear sprocket matches engine power characteristics.
- Exhaust system matches cylinder to deliver maximum bottom-end torque and high peak power.
- Lightweight aluminium radiator for consistent engine temperatures and maximum performance.

Chassis/Suspension

- Lightweight, high-tensile steel frame with large-diameter frame tubing and cross-member provides excellent turning performance and straight-line tracking.
- Box-section aluminium swingarm is lightweight and rigid.
- Removable sub-frame is strong and durable.
- 37mm leading-axle inverted Showa cartridge front fork features friction-reducing design to improve compression and rebound control.
- Front fork offers adjustable compression and rebound settings.

- Wide-section aluminium top and bottom triple-clamps position fork tubes far apart for good turning and control.
- Tapered-roller steering head bearings.
- Pro-Link rear suspension system features a fully adjustable Showa damper for superb compliance and wheel control.
- Front and rear suspension settings tuned for ideal bump absorption.
- Strong, lightweight wheels are durable while minimising unsprung weight.
- Lightweight front and rear disc brakes with high performance pads offer powerful, precise braking.
- Front and rear axles utilise an advanced surface treatment for added strength and durability.

Additional Features

- Slim, well-padded seat allows maximum rider movement and comfort.
- Non-slip seat cover enhances rider control.
- Large-capacity airbox and reusable two-stage foam air filter.
- Cleated, folding, self-cleaning footpegs offer excellent grip.
- Fully adjustable, high-quality controls include comfortable grips, dogleg levers, side-pull throttle and a folding shift lever.
- High-quality, high-grip tyres.
- Adjustable front brake lever and master cylinder assembly identical to CR125R/CR250R components.
- Stainless steel clutch cable for long life and improved feel and action.
- Racing inspired bodywork design.

Specifications CR85R ED-type

Engine

Type	Liquid-cooled 2-stroke single
Displacement	84.7cm ³
Bore x Stroke	47.5 x 47.8mm
Compression Ratio	8.4 : 1
Max. Power Output	15.5kW / 12,000min ⁻¹ (95/1/EC)
Max. Torque	13.4Nm / 10,500min ⁻¹ (95/1/EC)

Fuel System

Carburation	28mm Keihin PWK flat-slide carburettor (PWK10A)
Fuel Tank Capacity	5.3 litres

Electrical System

Ignition System	Capacitor discharge (CDI) with electronic advance
Starter	Primary kick

Drivetrain

Transmission	6-speed
Primary Reduction	4.117 (70/17)
Gear Ratio	1 2.267 (34/15)
	2 1.722 (31/18)
	3 1.400 (28/20)
	4 1.174 (27/23)
	5 1.042 (25/24)
	6 0.920 (23/25)
Final Reduction	3.267 (49/15)
Final Drive	#420 roller chain

Frame

Type	Semi-double cradle; steel tube
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Chassis

Dimensions	(LxWxH)	1,803 x 769 x 1,126mm
Wheelbase		1,247mm
Caster Angle		26° 51'
Trail		76.7mm
Seat Height		824mm
Ground Clearance		311mm
Dry Weight		70kg
Kerb Weight		75kg

Suspension

Type	Front	37mm inverted Showa leading-axle telescopic fork with adjustable compression and rebound damping; 245mm axle travel
	Rear	Pro-Link with single Showa damper, adjustable compression and rebound damping; 275mm axle travel

Wheels

Type	Front	Aluminium rim/wire spoke
	Rear	Aluminium rim/wire spoke
Rim Size	Front	17 x 1.4
	Rear	14 x 1.6
Tyre Size	Front	70/100 17 (40M)
	Rear	90/100 14 (49M)

Brakes

Type	Front	220mm hydraulic disc with single-piston calliper and sintered metal pads
	Rear	190mm hydraulic disc with single-piston calliper and sintered metal pads

All specifications are provisional and subject to change without notice.

Specifications CR85R2 ED-type

Engine

Type	Liquid-cooled 2-stroke single
Displacement	84.7cm ³
Bore x Stroke	47.5 x 47.8mm
Compression Ratio	8.4 : 1
Max. Power Output	15.5kW / 12,000min ⁻¹ (95/1/EC)
Max. Torque	13.4Nm / 10,500min ⁻¹ (95/1/EC)

Fuel System

Carburation	28mm Keihin PWK flat-slide carburettor (PWK10A)
Fuel Tank Capacity	5.3 litres

Electrical System

Ignition System	Capacitor discharge (CDI) with electronic advance
Starter	Primary kick

Drivetrain

Transmission	6-speed
Primary Reduction	4.117 (70/17)
Gear Ratio	1 2.267 (34/15)
	2 1.722 (31/18)
	3 1.400 (28/20)
	4 1.174 (27/23)
	5 1.042 (25/24)
	6 0.920 (23/25)
Final Reduction	3.667 (55/15)
Final Drive	#420 roller chain

Frame

Type	Semi-double cradle; steel tube
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Chassis

Dimensions	(LxWxH)	1,881 x 769 x 1,170mm
Wheelbase		1,288mm
Caster Angle		27° 25'
Trail		92.3mm
Seat Height		864mm
Ground Clearance		353mm
Dry Weight		72kg
Kerb Weight		77kg

Suspension

Type	Front	37mm inverted Showa leading-axle telescopic fork with adjustable compression and rebound damping; 244mm axle travel
	Rear	Pro-Link with single Showa damper, adjustable compression and rebound damping; 292mm axle travel

Wheels

Type	Front	Aluminium rim/wire spoke
	Rear	Aluminium rim/wire spoke
Rim Size	Front	19 x 1.4
	Rear	16 x 1.85
Tyre Size	Front	70/100 19 (42M)
	Rear	90/100 16 (52M)

Brakes

Type	Front	220mm hydraulic disc with single-piston calliper and sintered metal pads
	Rear	190mm hydraulic disc with single-piston calliper and sintered metal pads

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