

2004 CR85R/CR85R2 PRESS INFORMATION

Honda's smallest pair of full-bore motocrossers are certainly big on all the performance and excitement that attract so many people to this unique form of closed-circuit racing in the first place. From their dynamic racer looks to their quick-revving 85cc engines and responsive yet easy-handling chassis and suspensions, the CR85R and CR85R2 help young entry-level riders and future motocross champions earn their stripes and move up the ranks of competition. With two wheel sizes to chose from, kids of all sizes and ages can easily enjoy all the fun and excitement that motocross has to offer, and build confidence as they hone their dirt track riding skills on a true mini-champion.

Colours

- Explosion Red (with White number plate and sidecovers)

Features and Benefits

New Features

- All-new Honda-Racing-inspired bodywork.

Engine/Drivetrain

- Lightweight, liquid-cooled 84.7cm³ engine develops impressive power. Features NiCaSil-plated cylinder for excellent cooling and wear characteristics.
- Reed-valve induction and 28mm carburettor for crisp throttle response throughout the engine's rev range.
- Lightweight aluminium radiator for consistent engine temperatures and maximum performance.
- Heavy-duty clutch.
- Maintenance-free CD ignition with electronic advance.
- Low-mounted exhaust system enhances mass centralisation and contributes to high peak power.
- Slick-shifting close-ratio six-speed transmission.

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-type front fork features improved 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 fully adjustable Showa damper for superb compliance and wheel control.
- Strong, lightweight wheels are durable while minimising unsprung weight.
- Lightweight front and rear disc brakes with improved pads offer powerful, precise braking.
- Front and rear axles receive advanced surface-treatment for added strength and durability.

Additional Features

- Handlebar bend optimises rider position and comfort.
- Slim, well-padded seat allows maximum rider movement and comfort.
- 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.
- Front brake lever and master cylinder assembly are the same as CR125R/CR250R components.
- Works-type handlebar grips add to rider comfort.
- Front brake hose provides a positive feel.

Specifications		CR85R/*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	19.2kW/12,000min ⁻¹ (95/1/EC)		
Max. Torque	14.9Nm/11,500min ⁻¹ (95/1/EC)		
Carburation	28mm Keihin PE piston-valve carburettor (PE68E)		
Ignition System	Capacitor discharge (CDI)		
Starter	Primary kick		
Drivetrain			
Transmission	6-speed		
Primary Reduction	4.117 (70/17)		
Gear Ratios	1	2.333 (35/15)	
	2	1.727 (31/18)	
	3	1.400 (28/20)	
	4	1.174 (27/23)	
	5	1.000 (25/25)	
	6	0.885 (23/26)	
Final Reduction	3.333 (50/15)		(*3.733) (56/15)
Final Drive	#420 roller chain		
Chassis			
Frame	Semi-double cradle; steel tube		
Dimensions	(LxWxH)	1,812 x 772 x 1,125mm	(*1,899 x 772 x 1,167mm)
Wheelbase		1,247.1mm	(*1,287.8mm)
Caster Angle		27° 13'	(*27° 11')
Trail		79mm	(*91mm)
Seat Height		833.1mm	(*876.3mm)
Ground Clearance		320mm	(*365.8mm)
Fuel Tank Capacity		5.3 litres	
Dry Weight		65.4kg	(*65.8kg)
Kerb Weight		71.7kg	(*73.7kg)

Suspension

Type	Front	37mm Showa inverted leading-axle telescopic fork with adjustable compression and rebound damping; 274.3mm (*274.3mm) axle travel
	Rear	Pro-Link with Showa single damper, adjustable compression and rebound damping; 271.8mm (*289.6mm) axle travel

Wheels

Type	Aluminium rim/wire spoke		
Rim Size	Front	17 x 1.40	(*19 x 1.40)
	Rear	14 x 1.60	(*16 x 1.85)
Tyre Size	Front	70/100-17 40M	(*70/100-19 42M)
	Rear	90/100-14 49M	(*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

All specifications are provisional and subject to change without notice.