

2004 XR650R PRESS INFORMATION

From its first debut, the XR650R has made a proud name for itself by totally dominating virtually every desert and wilderness rally that it's entered—all across the world. The undisputed champion of the big-bore single off-road class, the XR650R is powered by a remarkably compact yet high-powered 650cc liquid-cooled 4-valve RFVC engine that pumps out prodigious power to tame the wilds. Its highly advanced aluminium frame and rugged long-travel suspension systems also contribute to the big XR's winning performance by providing assured handling and bulletproof reliability that's just what you need when you're a long way from home.

Colours

- Extreme Red

Features and Benefits

New Features

- New Honda-Racing-inspired colours and graphics.

Engine/Drivetrain

- Liquid-cooled four-valve SOHC 649cm³ provides maximum power while maintaining Honda's legendary dependability and simplicity.
- Compact, lightweight engine weighs only 40kg.
- Dry-sump oiling system includes in-frame oil tank for optimum cooling and efficiency.
- Unique engine design separates crankshaft and generator rotor from engine oil that causes windage resistance, allowing for a freer-revving engine.
- Lightweight NiCaSil cylinder lining provides cooler and quieter operation for extended engine life.
- 37mm intake valves and 32mm exhaust valves provide optimal engine efficiency.
- Automatic decompression starting system with handlebar-mounted auxiliary compression release for easy starts.
- 40mm carburettor features crisp response and excellent rideability.
- Solid-state CD ignition with electronic advance.
- Gear-driven counter-balancer for smoother engine operation.
- Maintenance-free XR400-type automatic camchain tensioner.
- Dual aluminium radiators for optimum cooling and maximum performance.
- Free-flowing two-into-one stainless steel headpipes are lightweight and durable.
- Primary kickstarting allows quick start-ups in any gear.
- Extended kickstart lever allows a slow, strong kick to spin the engine quickly for predictable, accurate starts.
- Lightweight magnesium clutch cover provides easy access for maintenance.
- Easy shifting five-speed transmission.

Chassis/Suspension

- New-generation aluminium frame combines optimum rigidity and balance with maximum strength and durability.

- Removable seat sub-frame also constructed of aluminium.
- Main frame incorporates engine oil tank with easy-to-use dipstick.
- Tapered-roller steering head bearings maintain precise steering action.
- 46mm Kayaba cartridge-type fork with adjustable compression and rebound damping.
- Minimal protrusion of fork tubes below axle increases clearance in ruts.
- Tapered aluminium swingarm is lightweight and strong.
- Swingarm pivot integrated into rear engine mount for compactness, light weight and fewer components.
- Fully adjustable 44mm long-travel Kayaba piggyback rear damper.
- Dual-piston front and single-piston rear brake callipers squeeze large, 240mm stainless steel rotors for excellent stopping power.
- CR250R front brake master cylinder ensures excellent brake feel and stopping power.
- Lightweight hubs, aluminium rims and straight-pull spokes.
- Large-diameter rear axle for improved rear wheel tracking.

Additional Features

- Comfortable seat allows easy rider movement.
- Large, durable fenders provide excellent protection from the elements.
- Enduro-style headlight and taillight.
- Compact, lightweight integrated headlight/number plate.
- High-impact one-piece resin skidplate protects underside of engine cases, water pump and hoses.
- Resettable, easy-to-read three-digit competition odometer.
- High-quality controls include comfortable grips and dogleg levers with knuckleguards.
- Unique manual compression-release lever mounted on top of clutch lever.
- Light-effort throttle and clutch pull reduce rider fatigue.
- Wide-section folding, cleated footpegs are comfortable and self-cleaning.
- Aluminium shift lever with folding tip.
- Aluminium rear brake pedal.
- Easy access to large, reusable foam air filter.
- Large-volume silencer optimises performance for maximum power.

Specifications	XR650R (ED-type)
Engine	Liquid-cooled 4-stroke 4-valve OHC single
Displacement	649 cm ³
Bore x Stroke	100 x 82.6mm
Compression Ratio	10 : 1
Max. Power Output	45kW/6,750min ⁻¹ (95/1/EC)
Max. Torque	64Nm/5,500min ⁻¹ (95/1/EC)
Carburation	40mm Keihin piston-valve carburettor
Ignition System	Capacitor discharge (CDI) with electronic advance
Starter	Primary kick
Transmission	5-speed
Final Drive	#520 O-ring-sealed chain; 14T/48T
Fuel Tank Capacity	10 litres (including 2-litre reserve)
Dimensions	(LxWxH) 2,255 x 825 x 1,245mm
Wheelbase	1,481mm
Caster	27° 48'
Trail	111mm
Seat Height	935mm
Ground Clearance	305mm
Suspension	Front 46mm leading-axle cartridge-type telescopic fork with adjustable compression and rebound damping, 285mm axle travel Rear Pro-Link with adjustable spring preload and compression/rebound damping, 308mm axle travel
Wheels	Aluminium rim/Tangentially Located (TL) spokes
Tyres	Front 80/100-21 51P Rear 110/100-18 70P
Brakes	Front 240mm hydraulic disc with dual-piston calliper and sintered metal pads Rear 240mm hydraulic disc with single-piston calliper and sintered metal pads
Dry Weight	125.8kg

All specifications are provisional and subject to change without notice.