

KLX400R

2003 Sales Guide

MODEL NAME: KLX400R
MODEL CODE: KLX400-B1

KEY FEATURES

- ▶ Ultra-competitive off-road missile.
- ▶ Road registerable.
- ▶ Electric start for easy starting.
- ▶ High-tech 4-stroke liquid-cooled DOHC 4-valve, 398 cm³ engine.
- ▶ Narrow, lightweight chrome-moly frame doubles as an oil tank to save space and mounts an aluminium sub-frame for low weight.
- ▶ Fully adjustable, long-travel forks with massive 49 mm stanchion tubes.
- ▶ KLX400R is fitted with a compact instrument package and street-legal lighting that make it an ideal machine for both road and trail.



Colour: Lime Green

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FEATURES AND ADVANTAGES:

Engine

- ▶ Liquid-cooled, DOHC 4-valve, 398 cm³, 4-stroke Single produces broad, tractable power and torque and also features a compact, streamlined design for low engine positioning and an extra-slim, off-road rider-friendly chassis.
- ▶ Engine features include a bore and stroke of 90 x 62.6 mm; two 36 mm intake valves and two 29 mm exhaust valves; narrow, 28° included valve angle and a compact, high-compression combustion chamber.
- ▶ High-lift cams operate directly on bucket tappets and feature shim-under-bucket lash adjustment. Valve springs are made of a new high-tension spring steel alloy and use alloy retainers.
- ▶ The forged aluminium piston is 10% lighter than a conventional cast piston, and the underside is cooled by an oil jet. L-shaped top piston ring helps to reduce blowby.
- ▶ Durable, lightweight aluminium cylinder is plated with a nickel-phosphorus-siliconcarbide coating for increased heat transfer. Lack of cast steel liners and the use of internal oil passageways instead of external oil hoses lower weight.
- ▶ Dry-sump lubrication system helps make the engine more compact, and allows the engine to be placed lower in the frame. The lower centre of gravity is reduces the effort required to turn.
- ▶ Digitally mapped CDI system monitors throttle position and engine rpm, and adjusts ignition timing to optimise combustion.
- ▶ The KLX400R breathes through a Keihin FCR39 flatslide carburettor fitted with an accelerator pump for quick throttle response. Large-capacity 6 litre airbox carries an oiled-foam air filter which can be accessed without tools.
- ▶ Compact electric starter makes starting the engine simple when you get stuck in a difficult place. For easy starting, a compression release system automatically lifts one of the exhaust valves at cranking rpm. The large dual aluminium radiators help maintain coolant temperature.
- ▶ To reduce noise emissions the KLX400R is fitted with an ADR approved muffler and is 41.3 mm diameter header pipe of 1.0 mm wall thickness for high efficiency and low weight.
- ▶ Transmission is a compact five-speed. The outer clutch cover can be removed without draining the engine coolant, simplifying maintenance.
- ▶ Magnesium-alloy clutch, magneto and cam covers reduce weight.

Frame/Suspension

- ▶ Narrow frame combines thin-wall, round- and rectangular-section chrome-moly steel tubes for exceptional torsional rigidity and minimum weight. The bolt-on rear sub-frame is made of rectangular-section aluminium-alloy tubing.

- ▶ The front downtube, main backbone tube and steering head gussets are sealed to form the engine oil reservoir, holding 1.7 litres. The oil filler cap is built into the steering head, gusset on the right side.
- ▶ Aluminium-alloy rock guard bolted the front of the engine cradle provides extra protection. The KLX400R also has high-impact-plastic water-pump and magneto cover guards.
- ▶ Long-travel front fork with massive 49 mm stanchion tubes has adjustable spring preload and damping. Rubber boots help protect the fork tubes and seals from rock nicks and dirt.
- ▶ Long-travel rear gas shock is connected to the aluminium-alloy swingarm by a progressive linkage and has adjustable damping and spring preload.
- ▶ Grease nipples make it easy to maintain the swingarm pivot and suspension link bearings, and a stain-resistant coating reduces the chance of rear axle and chain adjuster corrosion.
- ▶ In the retracted position, the sidestand rides above and close-in to the swingarm, minimising the chance of it contacting the terrain.
- ▶ Footpegs are durable, cast chrome-moly steel. Forged aluminium-alloy rear brake pedal has folding tip.

Brakes/Wheels/Tyres

- ▶ Large, 250 mm dia front disc is 3.0mm wide and gripped by a dual-piston lightweight caliper. A 220 mm disc and single-piston caliper slow the rear wheel.
- ▶ Wheels feature aluminium-alloy rims and hubs. The KLX400R has lightweight, necked-down spokes and aluminium-alloy nipples. Front axle has an internal hex head to minimise protrusion and chance of terrain contact.

Bodywork/Styling

- ▶ The KLX400R was designed to be as narrow as possible to maximise the rider's ability to move freely and shift weight back and forth, making it easier to manoeuvre across uneven terrain. Smooth transitions between the specially shaped 10 litre fuel tank and seat, the fuel tank and dual radiator covers, the seat and side panels and the side panels and rear fender reduce hindrance to rider mobility. Even the bottom edges of the bodywork are shaped to avoid snagging on the rider's boots. Viewed from overhead the KLX400R is especially narrow at the footpegs.
- ▶ The KLX400R features a street-legal plastic fuel tank low in weight and corrosion and rust proof. The left side panel doubles as the airbox cover, and is secured by three quick-release D-ring fasteners. Elastic bands secure the air filter itself, while a handy pouch attached to the top of the rear fender by two bolts carries a tool kit and the owner's manual.

Electrical Equipment

- ▶ The KLX400R features a 12 V, 60/55 W H4 halogen headlamp, compact tail and stop lamp, lightweight turn signals and horn. The brake lamp switch is incorporated in the front brake master cylinder.
- ▶ Other features include compact digital instrumentation, with speedometer, odometer, two tripmeters with addition and subtraction capability and clock timer and stopwatch functions.

SPECIFICATIONS:

Engine type	4-stroke, single cylinder
Displacement:.....	398cc
Bore & Stroke:	90.0 x 62.6mm
Compression Ratio:	12.2:1
Cooling	Liquid
Carburettor(s):	Keihin FCR39SS
Ignition:.....	Digital DC-CDI with TPS
Starting:	Electric
Transmission:	5-Speed
Rake Angle:	27.2°
Wheel Travel (front/rear):	288 / 295mm
Front Tyre Size:	80/100-21
Rear Tyre Size:	120/90-18
Ground Clearance:	325mm
Wheelbase:	1,435mm
Front Susp:	49mm cartridge fork, ... adjustable preload, compression and rebound damping
Rear Suspension:	Link type with adjustable spring, compression and rebound damping
Brakes (front).....	250mm Disc, 2-PC
Brakes (rear).....	220mm Disc
Fuel Tank Capacity:	10 litres
Seat Height:	945mm
Dry Weight:	119kg
Warranty:	12 months
Team Green:.....	12 months

Note: Specifications subject to change without notice.
Ask about Kawasaki Finance.

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