



## 2005 Model Information

MODEL CODE: **KLX300-A10**

MODEL NAME: **KLX300R**



### FEATURES AND ADVANTAGES

#### **Ultra-Compact 292cc Liquid-Cooled, 4-Stroke Single**

Flat top piston with pentroof combustion chamber delivers 11.0:1 compression ratio.

Lightweight piston, piston pin and connecting rod allow power-producing revs without excessive vibration.

Liquid cooling for even running temperature means no "power fade" on hot days and longer engine life.

#### **Double Overhead Cams**

A cam lobe for each valve with shim-under tappets has less reciprocating weight for efficiency at high rpm. **KIPS with Guillotine Exhaust Valve**

### **Electrofusion Cylinder**

The incredibly hard coating in the aluminium cylinder bore means superior heat transfer with less weight.

It holds lubrication well, resists abrasion and seizure, and allows tight piston-to-cylinder clearances for more horsepower,

### **Four Valves Per Cylinder**

Provides maximum valve area for optimum flow. Boosts low-end torque.

### **34mm Semi-Flat Slide CVK Carburettor**

Precisely meters fuel for good economy. Provides quick throttle response.

### **Gear Driven Engine Balancer**

Engine runs smoothly from idle to redline.

More rider comfort and less fatigue on long rides.



### **Digital Capacitor Discharge Ignition (CDI)**

Uses a digital microcomputer to deliver a hot spark at exactly the right time, no matter how fast the rpm changes.

### **High Tensile Steel Perimeter Frame**

Based on the KX125 and 250 frames, the KLX300R frame is built up of box-section and tubular high-tensile steel.

Straight line stability is not sacrificed for quick handling, because the incredible frame rigidity keeps everything on the straight and narrow.

### **43mm Upside Down Cartridge Fork**

20-way compression damping adjustment.

Cartridge maintains more consistent damping force by minimising aeration of the fork oil.

### **Uni-Trak Rear Suspension**

Temperature compensating rebound damping keeps things under control even when the shock heats up under strenuous conditions.

### **Front and Rear Disc Brakes**

Twin piston front caliper grasps a 250mm floating front disc for “single finger” stopping power. Single piston rear caliper uses a 220mm disc to give strong, reliable performance.

### **O-Ring Drive Chain**

O-rings seal the dirt and water out, keep lubrication in for longer chain life.

# SPECIFICATIONS

## ENGINE

Type	4-stroke Single
Displacement	292 cc
Bore and Stroke	78.0 x 61.2 mm
Compression ratio	11:1
Valve system	DOHC, 4 valves
Carburettor	Keihin CVK34 x 1
Ignition	CDI
Starting	Primary kick
Cooling	Liquid
Lubrication	Forced lubrication, wet sump

## DRIVETRAIN

Transmission	6-speed
Primary drive	Gear
Final drive	Chain
Clutch	Wet, multi-disc

## FRAME

Type	Tube, semi-double cradle
Suspension:	Telescopic Fork
front	Uni-Trak, swingarm
rear	
Wheel travel:	285 mm
front	
rear	280 mm
Tyre:	80/100-21 51M
front	
rear	100/100-18 59M
Caster (rake)	26.5°
Trail	107 mm
Steering angle (left/right)	45° / 45°

## BRAKES

Front	Semi-floating 250 mm disc
Front caliper	Dual-piston caliper
Rear	Single 220 mm disc
Rear caliper	Single-piston caliper

## ELECTRICAL EQUIPMENT

Headlight	12 V, 30 W
Tail light	12 V, 10 W

## DIMENSIONS

Overall length	2,115 mm
Overall width	910 mm
Overall height	1,220 mm
Wheelbase	1,435 mm
Ground clearance	320 mm
Seat height	925 mm
Dry weight	106 kg
Fuel capacity	9.8 litres

## PERFORMANCE

Maximum power	24.3 kW (33 PS)/ 8,500 rpm
Maximum torque	28.4 N·m (2.9 kgf·m)/ 7,500 rpm