

2003 Model Information



MODEL CODE: **KX100-D3 / 85-A3 / 85-B3**

MODEL NAME: **KX100 / KX85 / KX85-II**



MODEL CONCEPT

The KX85, KX85-II and KX100s are green meanies that share more than just looks with the bigger KX models.

All are powered by super-responsive liquid-cooled, 2-stroke racing engines and feature advanced frame and suspension technology adapted from full-sized KX motocrossers.

And they all share the same race-winning potential.

At both the amateur and professional levels, Kawasaki has long been the dominant brand in junior motocrossing, with many of today's top professional riders getting their start on KX minicrossers.

MAIN FEATURES

Engine

- Liquid-cooled, Two-Stroke Single engine with piston reed valve induction.
- Electrofusion plated cylinder for efficient heat transfer and long wear.
- PWK 28 semi-flat slide carburettor positions the nozzle jet close to the cylinder for sharp response across the rev range.
- Carbon-fibre reeds with mesh oriented at 45° for ideal response characteristics.
- Precise, digital CDI ignition delivers a hot spark.
- Compact igniter with direct coupler eases maintenance.
- Separate clutch cover gives easy access to the clutch.
- Large air intake on the right side of the airbox improves airflow to the air cleaner.

Chassis

- Perimeter frame offers the same advantages of strength and torsional rigidity as the larger KX125 and KX250 race machines.
- The 36 mm upside-down front forks deliver sharp handling and smooth jumping.
- Bottom-Link Uni-Trak rear suspension with fully-adjustable preload, nitrogen-charged shock and
- 4-way compression and 16-way rebound damping.
- Sturdy swingarm delivers good handling performance over rough terrain; tough spokes and nipples reduce wheel maintenance.
- Large-diameter 220 mm front brake for strong braking performance.



KX85-B



KX85-A

SPECIFICATIONS KX85-A2/B2

ENGINE

Type	2-Stroke Single
Displacement	84cc (99 cc for KX100)
Bore and Stroke	48.5 x 45.8 mm. (52.5 x 45.8 mm KX100)
Compression Ratio	Low Speed: 10.0:1 (9.6:1 KX100) High speed: 9.2:1 (8.8:1 KX100)
Carburettor	Keihin PWK 28
Induction	2-petal carbon-fibre piston reed valve
Ignition	Digital CDI
Starting	Primary kick
Cooling	Liquid
Engine Oil	2-stroke racing oil
Lubrication	Petrol mix 32:1
Spark plug	R6252K-105

DRIVETRAIN

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

FRAME

Type	Perimeter, high-tensile steel
Suspension:	front 36 mm upside-down fork with 18-way compression damping
	rear Bottom-Link Uni-Trak with adjustable preload, 4-way compression damping and 16-way rebound damping
Wheel travel:	front 275 mm

	rear	275 mm
Tyre:	front	70/100-19 42M (70/100-17 40M for KX85A)
	rear	90/100-16 52M (90/100-14 49M for KX85A)
Caster (rake)		27°
Trail		103 mm (89 mm for KX85A)
Steering angle (left/right)		45° / 45°

BRAKES

Front	Single 220 mm disc
Front caliper	Dual-piston (24 mm x 2)
Rear	Single 184 mm disc
Rear caliper	Single-piston

DIMENSIONS

Overall length	1,910 mm (1,820 mm for KX85A)
Overall width	735 mm
Overall height	1,105 mm (1,055 mm for KX85A)
Wheelbase	1,290 mm (1,255 mm for KX85A)
Ground clearance	380 mm (340 mm for KX85A)
Seat height	870 mm (840 mm for KX85A)
Dry weight	68 kg (65 kg for KX85A)
Fuel capacity	5.5 litres

PERFORMANCE

Max power	21.0 kW {28.5 PS} / 12,000 rpm (KX85A/B) 21.5 kW {29.2 PS} / 11,500 rpm (KX100D)
Max torque	17.2 N·m {1.75 kgf·m} / 11,000 rpm (KX85A/B) 18.4 N·m {1.88 kgf·m} / 10,500 rpm (KX100D)

The specifications mentioned here apply to and have been achieved by production models under standard operating conditions. We intend only to give a fair description of the vehicle and its performance capabilities but these specifications may not apply to every machine supplied for sale. Kawasaki Heavy Industries, Ltd. reserves the right to alter specifications without prior notice. Equipment illustrated and specifications may vary to meet individual markets.

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Let the good times roll.