

# 2003 Model Information

MARKETING CODE: **KX100-D / 85-A / 85-B**

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



KX85-A shown

**Note:** While material contained herein may be used in the preparation of press releases, technical service material and other SP and marketing material, please keep in mind that this information is intended for internal use only.  
All data reflect factory tests. All data subject to change without notice.

# MAJOR/MINOR CHANGES FROM PREVIOUS MODEL

\* No changes from the '02 model year.

## COLOUR(S)

**NEW** \* Lime Green with new graphics



KX85-A



KX85-A



KX85-A



KX85-B



KX85-B



KX85-B



KX100-D



KX100-D



KX100-D

# SPECIFICATIONS

<b>ENGINE</b>	<b>KX100-D3 / 85-A3 / 85-B3</b>
Type	2-stroke Single
Displacement	99 cm <sup>3</sup> (84cm <sup>3</sup> for KX85A/B)
Bore and Stroke	52.5 x 45.8 mm (48.5 x 45.8 mm for KX85A/B)
Compression Ratio	Low Speed: 9.6:1 (10.0:1 for KX85A/B) High speed: 8.8:1 (9.2:1 for KX85A/B)
Carburettor	Keihin PWK 28
Induction	2-petal carbon-fibre piston reed valve
Ignition	Digital CDI
Starting	Primary kick
Cooling	Liquid
Lubrication	Petrol mix 32:1
Engine Oil	2-stroke racing oil
Spark plug	R6252K-105
Valve timing: Inlet	Full open
Exhaust	Low speed: Open: 87° BBDC; Close: 87° ABDC High speed: Open: 93.5° BBDC; Close: 93.5° ABDC
Scavenging	Open: 62° BBDC (62.5° BBDC for KX85A/B) Close: 62° ABDC (62.5° ABDC for KX85A/B)
Piston clearance	0.065 ~ 0.075 mm (0.061 ~ 0.071 mm for KX85A/B)
Cylinder pressure	1,180 kPa {12.0 kgf/cm <sup>2</sup> } @ kick 5 times
<b>DRIVETRAIN</b>	
Transmission	6-speed, return
Transmission oil capacity	0.65 litres
Primary drive	Gear
Final drive	Chain
Primary reduction ratio	3.400 (68/20)
Gear ratios: 1st	2.538 (33/13)
2nd	1.875 (30/16)
3rd	1.500 (27/18)
4th	1.250 (25/20)
5th	1.090 (24/22)
6th	0.956 (22/23)
Final reduction ratio	3.923 (51/13) (3.571 [50/14] for KX85A)
Overall drive ratio	12.758 @ top gear (11.607 for KX85A)
Clutch	Wet, multi-disc

<b>FRAME</b>	<b>KX100-D3 / 85-A3 / 85-B3</b>
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 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)
Inflation: front	100 kPa {1.0 kgf/cm <sup>2</sup> }
rear	100 kPa {1.0 kgf/cm <sup>2</sup> }
Caster (rake)	27°
Trail	103 mm (89 mm for KX85A)
Steering angle (left/right)	45° / 45°
<b>BRAKES</b>	
Front	Single 220 mm disc
Front caliper	Dual-piston (24 mm x 2)
Rear	Single 184 mm disc
Rear caliper	Single-piston
<b>DIMENSIONS</b>	
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
<b>PERFORMANCE</b>	
Max power	21.5 kW {29.2 PS}/ 11,500 rpm (KX100D) 21.0 kW {28.5 PS}/ 12,000 rpm (KX85A/B)
Max torque	18.4 N·m {1.88 kgf·m}/ 10,500 rpm (KX100D) 17.2 N·m {1.75 kgf·m}/ 11,000 rpm (KX85A/B)

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.