

---

# 2005 Model Information

MARKETING CODE: **ZX600N**

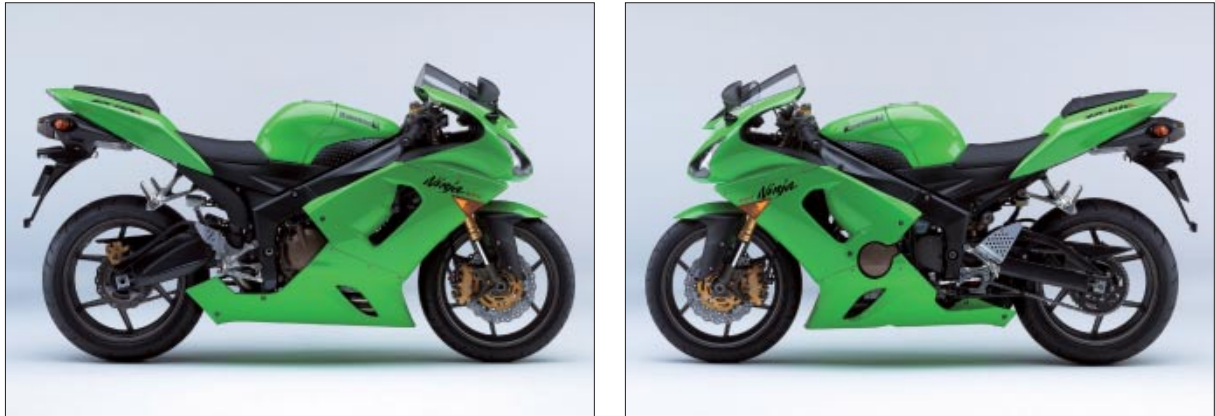
MODEL NAME: **Ninja ZX-6RR**



**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.

# OVERALL CONCEPT

Following its prime design aim to be No. 1 on the circuit, the 2005 Ninja ZX-6RR benefits from a host of modifications to engine, chassis and styling that put it even further ahead of its competition.



Unlike its street counterpart, the Ninja ZX-6R, the new 6RR is a limited-production model designed primarily for use on the track. Both engine and chassis were designed to deliver best performance when in Sports Stock race trim (with race kit ECU and exhaust system). Even the new styling was designed with the purpose of offering extremely slippery aerodynamics. In fact, the new model has the best  $C_{dA}$  of any Ninja to date. Engine, chassis and design – the 05MY Ninja ZX-6RR is more potent than ever.

# ZX600N FEATURES NOT AVAILABLE ON THE ZX636C

## Engine

- \* Upgraded, liquid-cooled, DOHC, 16-valve 599 cm<sup>3</sup> In-Line Four engine delivers increased performance, especially in the higher rpm ranges.
- \* Polished intake ports, revised porting, new combustion chambers and larger exhaust valves all contribute to increased performance.

## Transmission

- \* To suit non-modified stock racing classes, the transmission features close ratios similar to those of the racing kit transmission.

## Suspension

- \* Inner fork tubes feature a TiSiCN coating to reduce sliding friction (stiction) and improve fork action.
- \* Revised damping valve for the rear shock offers a wider range of settings for racing.

## Frame

- \* Steering damper boss provided on the left frame rail.

## Brakes

- \* Low-expansion front brake hose improves brake feel.

## COLOUR(S)

- \* Lime Green



# SPECIFICATIONS

<b>ENGINE</b>	<b>ZX600-N1</b>
Type	Liquid-cooled, 4-stroke In-Line Four
Displacement	599 cm <sup>3</sup>
Bore and Stroke	67 x 42.5 mm
Compression ratio	13.5:1
Valve system	DOHC, 16 valves
Fuel system	Fuel injection: ø 38 mm x 4 (Keihin), twin injection
Ignition	Digital
Starting	Electric
Lubrication	Forced lubrication, wet sump
<b>DRIVETRAIN</b>	
Transmission	6-speed, return
Final drive	Sealed Chain
Primary reduction ratio	1.891 (87/46)
Gear ratios:	
1st	2.714 (38/14)
2nd	2.055 (37/18)
3rd	1.722 (31/18)
4th	1.500 (33/22)
5th	1.333 (28/21)
6th	1.227 (27/22)
Final reduction ratio	2.866 (43/15)
Clutch	Wet multi-disc, manual
<b>FRAME</b>	
Type	Perimeter, pressed-aluminium
Wheel travel:	
front	120 mm
rear	130 mm
Tyre:	
front	120/65ZR17M/C (56W)
rear	180/55ZR17M/C (73W)
Caster (rake)	TBA
Trail	TBA
Steering angle (left/right)	27° / 27°

<b>SUSPENSION</b>	<b>ZX600-N1</b>
Front: Type	41 mm inverted cartridge fork with rebound and compression damping, spring preload adjustability, top-out springs and TiSiCN coating on inner fork tube
Rear: Type	Bottom-Link Uni-Trak with gas-charged shock, spring preload adjustability and top-out spring
Compression damping	Stepless
Rebound damping	Stepless
<b>BRAKES</b>	
Front: Type	Dual semi-floating 300 mm discs
Caliper	Dual radial-mount, opposed 4-piston, 4-pad
Rear: Type	Single 220 mm disc
Caliper	Single-bore pin-slide
<b>DIMENSIONS</b>	
Overall length	TBA
Overall width	TBA
Overall height	TBA
Wheelbase	TBA
Ground clearance	TBA
Seat height	TBA
Dry weight	TBA
Fuel capacity	17 litres
<b>PERFORMANCE</b>	
Maximum power	TBA
Maximum power with Ram Air	TBA
Maximum torque	TBA

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. Available colours may vary by market.