



## 2004 Model Information

MODEL CODE: **ZR1000-A**

MODEL NAME: **Z1000**



### MODEL CONCEPT

The Z1000 — a hard-body super-Naked with hard-charging performance.

In addition to the electronic fuel injection system, the 9R-based engine gets a displacement boost to 953 cc for plenty of torque in the medium speed ranges.

Other modifications include a new head with more horizontal intake tracts, finning added to the head for good looks, and a comprehensive package of internal modifications to give it awesome thrust in the medium rpm ranges.

Nimble handling performance comes from a lightweight Diamond frame of large-diameter thin-walled tubing. Up front are inverted front forks, while Kawasaki's famous Uni-Trak rear suspension has a ZX-9R-type aluminium swingarm, and ZX-9R wheels for brilliant cornering performance. Other top shelf equipment includes dual 300 mm front disc brakes, aluminium handlebars and virtually the same high-tech instrument package as the new Ninja ZX-6R.

A Naked has to look good with no clothes on, and the Z1000 certainly does.

The Z1000's attractive figure is highlighted by four polished stainless steel mufflers, a seat assembly with LED taillight and voluptuous lines that make it an instant head-turner.

As much a sports bike as a Naked, the Z1000's high performance, responsive handling and knockout good looks move this exciting new machine to the head of the Naked class.

## KEY POINTS

- **Ninja ZX-9R-based engine**
- **Electronic fuel injection**
- **Displacement increased to 953 cc for massive mid range**
- **Inverted front fork**
- **Dual 300 mm front disc brakes**
- **Lightweight Diamond frame**
- **Ninja ZX-9R-type Uni-Trak rear suspension**
- **Seat cowl with LED rear light**
- **Lightweight new digital instrument cluster**
- **Quad mufflers of heat-treated stainless steel**
- **"Supermodel" styling**

## MAIN FEATURES

### Engine

- Liquid-cooled, 953 cc, DOHC, 16-valve 4-cylinder engine specially tuned for high torque output in the medium rpm ranges.
- Electronic fuel injection runs 38 mm throttle bodies fitted with sub-throttles for smooth, linear throttle response and low exhaust emissions.
- New cylinder head casting has more horizontal intake tracts and larger combustion chamber to suit the increased bore size. Fins cast into the head improve external appearance.
- Narrow included valve angle (IN=12°, EX=13°) allows a flat, highly efficient combustion chamber. The cylinder head has a large squish area that promotes turbulence to increase flame propagation for superior combustion efficiency.
- Camshaft profiles modified for more low and mid-range power. Tappet noise is also reduced. Lightweight, 'hollow' inlet and exhaust cams each ride in five ball bearings to reduce friction loss.
- New plug-mounted ignition coils are fitted to suit the new injection system.
- Digital ignition with timing sensor mounted on the right end of the crankshaft.
- New, more compact 32-bit ignition CPU delivers highly accurate information for the EFI system.
- New AC generator has optimised flywheel mass to suit the new engine's power characteristics.
- K-TRIC throttle position sensor linked to the ignition system ensures ideal ignition timing under all throttle settings. 10 mm twin-electrode plugs enhance combustion efficiency.
- In-tank, electric fuel pump delivers a constant supply of fuel in all riding conditions.
- Liquid-cooled oil cooler keeps oil temperatures under control.
- Large-area radiator with electric fan maintains operating temperatures at the proper level.
- New transmission gears of stronger material feature "crowned" tooth mating surfaces for improved load carrying ability. Shift cam has modified profiles and new spring loads for improved shift feel, and the clutch release lever has a modified ratio for improved action.
- Quad mufflers of polished stainless steel are heat-treated to an attractive golden colour.

- Use of KLEEN (Kawasaki Low Exhaust Emission) catalyser system helps keep exhaust emissions environmentally friendly. Depending on the market, a honeycomb catalyser system reduces emissions.

## Frame & Swingarm

- Rigid yet lightweight Diamond frame of large-diameter thin-walled tubes contributes to the Z1000's responsive handling performance. Engine is mounted as a stressed member for high chassis rigidity.
- Ninja ZX-9R-type extruded aluminium swingarm is lightweight, rigid and looks great.

## Suspension

- Inverted front fork with 41 mm tubes delivers brilliant steering performance. The front fork has adjustable pre-load and rebound damping.
- Bottom-Link Uni-Trak rear suspension features a nitrogen gas-charged shock with piggyback reservoir, stepless spring preload and rebound damping adjustment.

## Brakes

- Dual, semi-floating, 300 mm discs are gripped by lightweight 4-piston calipers from the 9R for impressive braking performance.
- Rear disc brake uses a lightweight 220 mm rotor with single-piston caliper.
- Rear brake caliper holder designed for low weight and mounts directly to swingarm, negating the need for an independent brake torque-rod.

## Wheels & Tyres

- Rim widths and wheel sizes are also of 9R origin (ZX900F) for great handling. Polished rims contrast nicely with painted hubs and spokes.

## Bodywork & Ergonomics

- The sexy lines of the Z1000 are defined by its many stylishly crafted body components. The seat cowl with LED taillight, swingarm-mounted inner fender, and front fender were all designed to give the Z1000 an aggressive, sporty image.
- The striking styling of the bikini cowl accentuates the bike's provocative lines.
- An optional single-seat cover can be mounted in place of the passenger seat, giving the bike an even more performance-oriented image.
- Fuel tank is made of galvanised steel to resist corrosion.
- Seating position is very comfortable and allows the rider to mould himself/herself to the machine naturally.
- Dual, multi-reflector headlights enhance the Z1000's spunky attitude.

## Other Practical Features

- Lightweight, compact instrument cluster features a bar-type LCD tach, and digital LCD speedo, in addition to a digital temp gauge, clock, tripmeter, fuel gauge and a comprehensive range of indicator lamps.
- Tamper resistant ignition switch.
- Rubber-mounted aluminium handlebars.
- MF-type battery reduces periodic maintenance.
- Forged side stand is very strong and tucks nicely out of the way for ample cornering clearance.

# SPECIFICATIONS

## ENGINE

Type	4-stroke In-Line Four
Displacement	953 cc
Bore and Stroke	77.2 x 50.9 mm
Compression ratio	11.2:1
Valve system	DOHC, 16 valves
Fuel injection	Ø 38 mm x 4
Ignition	Digital
Starting	Electric
Cooling	Liquid
Lubrication	Forced lubrication, wet sump
Charging current & voltage	13 A, 14 V (night-time @ 4,000 rpm)
Exhaust	4-into-2-into-4

## DRIVETRAIN

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

## FRAME

Type	Diamond, high-tensile steel with detachable right upper engine mount	
Suspension:	Front	41 mm cartridge fork with stepless rebound and spring preload adjustability
	Rear	Bottom-Link Uni-Trak with gas-charged shock, stepless rebound damping and spring preload adjustability
Wheel travel:	Front	
	Rear	
Tyre:	Front	120/70ZR17M/C (58W)
	Rear	190/50ZR17M/C (73W)
Caster (rake)		
Trail		
Steering angle (left/right)		

## BRAKES

Front	Dual semi-floating 300 mm discs
Front calipers	Opposed 4-piston calipers
Rear	Single 220 mm disc
Rear caliper	Single-piston caliper

## ELECTRICAL EQUIPMENT

Battery	12 V, 8 Ah
Headlight (high/low)	12 V, 55/55 W x 2
Tail/brake light	12 V, 0.5/5 W (LED)

## **DIMENSIONS**

Overall length  
Overall width  
Overall height  
Wheelbase  
Ground clearance  
Seat height  
Dry weight  
Fuel capacity

## **PERFORMANCE**

Maximum power  
Maximum torque

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.