
General Specifications

Engine

Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	599 cc
Bore x Stroke	67.0 x 42.5 mm
Compression Ratio	13.9:1
Carburetor	DFI w/Keihin 38mm Throttle Bodies
Ignition System	Battery & Coil, TCBI w/Electronic Advance
Crankshaft Rotation	Clockwise from ignition (RH side)
Cylinder Number Method	Left to Right: 1-2-3-4
Firing Order	1-2-4-3
Fuel	Min 91 Research/87 Avg. Oct. Unleaded OK
Coolant	50% distilled water /50% ethylene glycol base antifreeze.
— Capacity	N/A
— Level	N/A

Transmission

Clutch Type	Wet, Multi-disc
Transmission	6-speed, Return shift
Gear Ratios	— 1st 2.437 (39/16)
	— 2nd 2.055 (37/18)
	— 3rd 1.72 (31/18)
	— 4th 1.5 (33/22)
	— 5th 1.33 (28/21)
	— 6th 1.227 (27/22)
Primary Ratio	1.89 (87/46)
Final Ratio	2.866 (43/15)
Overall Ratio (Top Gear)	6.653

Chassis

Wheelbase	1,400 mm (55.1 in.)
Seat Height	820 mm (32.3 in.)
Ground Clearance	120 mm (4.7 in.)
Dry Weight	164 kg (361.6 lb.)
Curb Weight	Front 95 kg (210 lb.)
	Rear 97 kg (213.8 lb.)
Fuel Tank Capacity	17.0 liter (4.5 gal.)
Tire Size	— Front 120/65 ZR17
	— Rear 180/55 ZR17
Brake Type	— Front Dual Disc
	— Rear Single Disc
Brake Size	— Front 268 mm Effective Diameter
	— Rear 184 mm Effective Diameter
Wheel Travel	— Front 120 mm (4.7 in.)
	— Rear 135 mm (5.3 in.)

Model Identification

Year & Model	'05 ZX600-N1:NINJA ZX-6RR
Color	1. Lime Green (777)
VIN Range	JKAZX4N1✓ 5A000001 ~
Engine No. Range	ZX600NE000001 —
Engine No. Location	FR top crankcase

Tuning Specifications

Engine

Valve Clearance (Cold)	Intake: N/A
	Exhaust: N/A
— Adjustment Method	N/A
Compression Pressure	N/A
Spark Plug	CR9E
— Gap	0.7 - 0.8mm
Ignition Timing	— Idle 12.5° at 1,300 rpm
	— Full 35° at 4,600 rpm
Idle Speed	N/A
Engine Oil	API SE, SF, SG/SH or SJ with JASO MA SAE 10W40
— Capacity	4.0 liter (4.2 qt.)
— Level	Motorcycle level, middle of window

Chassis

Fork Oil	SHOWA SS08 10W
— Capacity	428-432cc
Tire Pressure (Cold)	
— Front	36 psi (250 KPa)
— Rear	42 psi (290 KPa)