
General Specifications

Engine

Engine Type	2-stroke, Piston reed valve, Liquid cooled
Displacement	99 cc
Bore X Stroke	52.5 x 45.8 mm
Compression Ratio	9.6:1 (low speed) 8.8:1 (high speed)
Carburetor	Keihin PWK28
Lubrication System	Premix gasoline & oil
Ignition System	CDI with Digital Advance
Oil	2-stroke racing oil
Coolant	50% water /50% ethylene glycol base antifreeze
—Capacity	0.67 L

Transmission

Clutch Type	Wet, Multi-disc, Manual
Transmission	6-speed, Constant mesh, Return shift
Shift Pattern (Bottom up)	1-N-2-3-4-5-6
Gear Ratios	—1st 2.54 (33/13)
—2nd	1.89 (30/16)
—3rd	1.50 (27/18)
—4th	1.25 (25/20)
—5th	1.09 (24/22)
—6th	0.96 (22/23)
Primary Ratio	3.40 (68/20)
Final Ratio	3.92 (51/13)
Overall Ratio (Top Gear)	12.76

Chassis

Wheelbase	1,290 mm
Seat Height	870 mm
Ground Clearance	380 mm
Dry Weight	68 kg (149.9 lb.)
Fuel Tank Capacity	5.5 L (1.95 gal.)
Rake	27°
Tire Size	—Front 70/100-19
—Rear	90/100-16
Brake Type	—Front Single disc
—Rear	Single disc
Brake Size	—Front 202
—Rear	150
Suspension Type	—Front Telescopic Inverted Fork
—Rear	Uni-Trak Swingarm
Wheel Travel	—Front 275 mm
—Rear	275 mm

Model Identification

Year & Model	'05 KX100-D5
Color	Lime Green (777)
VIN Range	JKAKXTDC ✓ 5A015001 —
Engine No. Range	KX100CE000001—
Engine No. Location	RH side crankcase, below carburetor

Tuning Specifications

Engine

Spark Plug	NGK R-6252K-105
—Gap	0.7-0.8 mm
Ignition Timing	13° at 12,000 rpm
Transmission Oil	SE Class SAE 10W30 or 10W40
—Capacity	0.7 L
Compression Pressure	171 psi

Chassis

Fork Oil	Kayaba 01 SAE 5W
—Capacity	317-325 cc
Tire Pressure (Cold)	
—Front	15 psi
—Rear	15 psi
