

Model	KR250-A
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Model year		1986		
Item		Model		
		A 2		
Engine	Type	2-stroke, 2-cylinder, piston reed and rotary disc valves, liquid-cooled		
	Displacement	mL	249	
	Bore and stroke	mm (in)	56,0 x 50,6 (2,20 x 1,99)	
	Compression ratio		7,0	
	Maximum horsepower	kW (PS) / r/min	35,3 (48)/10 000 (J) 33,1 (45)/10 000	
	Maximum torque	N,m (kgm,ft-lb) / r/min	36,3 (3,7.26,8)/8 000	
	Ignition System		CDI	
	Timing advance system		Electronic	
	Lubrication system		Superlube	
	Starting System		PRIMARY KICK	
Carburetor type		Mikuni VM 28SS x 2		
	Transmission type	6-speed, constant mesh, return shift		
	Clutch type	Wet multi disc		
	Final drive system	Chain		
Drive train	Gear ratio	1 <sup>st</sup>	2,642 (37/14)	
		2 <sup>nd</sup>	1,777 (32/18)	
		3 <sup>rd</sup>	1,318 (29/22)	
		4 <sup>th</sup>	1,083 (26/24)	
		5 <sup>th</sup>	0,961 (25,26)	
		6 <sup>th</sup>	0,888 (24/27)	
	Reserve			
Primary reduction ratio	2,791 (57/24)			
Final reduction ratio	2.714 (38/14)			
Overall drive ratio	6.735			
Frame	Type	Tubular, double cradio (Aluminum)		
	Castor (rake angle) degree	27		
	Trail	mm (in)	84 (3,3)	
	Tire	Type	Tubeless	
		Size	Front	100/90-16.54H
	Rear		110/80-18.58H	
	Brake type	Front	Dual disc	
		Rear	Single disc	
	Braking distance	m / km/h (ft/mph)	12.5/50 (41.0/31) (J) 14.0/50 (45.9/31)	
	Suspension type	Front	Telescopic, air	
Rear		Uni-trak		
Wheel travel	Front	140 (5,5)		
	Rear	100 (3,9)		
Dimensions	Overall length	mm (in)	2.035 (80,1,) (A) 2 095 (82,5)	
	Overall width	mm (in)	685 (27,0)	
	Overall height	mm (in)	1.170 (46.1)	
	Seat height	mm (in)	790 (31,1)	
	Wheel base	mm (in)	1.360 (53.5)	
	Road Clearance	mm (in)	130 (5.1)	
	Dry weight	kg (lb)	137 (902) (.D 139 (306) (S) 136 (300)	
	Minimum turning radius	m (in)	2.6 (102.4)	

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Item	Model		A2	
Cylinder compression kPa (kg/cm <sup>2</sup> .psi)		735 – 1 130 05 kicks 7,5 – 11,5 (107 – 164)		
Engine	Valve timing degree	Inlet	Open (BTDC)	120
			Close (ABDC)	55 ATDC
			Duration	175
	Exhaust	Open (BBDC)	96	
		Close (ATDC)	96 ABDC	
		Duration	192	
	Scav- enging	Open (BBDC)	62.5	
		Close (ABDC)	62.5	
		Duration	125	
	Valve clearance (when cold)	mm (in)	Inlet	_____
Exhaust			_____	
Ignition timing (BDTC)	Crank angle	/r/min	13.5/1 300	
	Piston position	mm (in)	_____	
Piston and cylinder clearance		mm	0.050 – 0.060	
Coolant capacity		L (USqt)	1.8 (1.9)	
Transmissio & Clutch	Transmission oil type (Engine oil)		SE or SF class SAE 10W30 or 10W40	
	Transmission oil (Engine oil) capacity L (US qt)	When oil filter is not changed	_____	
		When oil filter is changed	1.1 (1.2)	
	Clutch adjusting screw (turns backed out)		_____	
Clutch lever play		mm (in)	0.5 – 1.0 (0.02 – 0.04)	
Carburetor	Main jet		137.5 (J) 140	
	Needle jet		0-6	
	Jet needle		5DH2-4 (J) 5DH6-3	
	Pilot jet		35 (J) 45	
	Cutaway		2.5	
	Pilot screw or air screw (turns backed out)		_____	
	Service fuel level (from edge of carb. body to Fuel level)		mm	4 +/- 1
	Engine vacuum synchronization (difference each cylinder under) kPa (emlig)		_____	
	Idling speed		r/min	1 200 – 1 400
	Throttle grip play		mm (in)	2 – 3 (0.06 – 0.12)
Battery	Type	FB4L-A (K)		
	Capacity	12 V 4.5 AH		
Spark plug	Type	NGK B9ES		
	Spark gap.	mm (in)	0.7 – 0.8 (0.028 – 0.032)	
Charging rate (right 4.000 r/min)	Voltage V	14		
	Current A	11		
Alternator rated output		A/V ( r/min)	11.5/14 8 000	

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Front fork	Oil type	SAE 10W20			
	Oil capacity (each side) mL (US fl oz)	281 (9.5)			
	Oil level (from top of inner tube) in mm	FE 331 ± 2 (13.0 ± 0.1)			
	Air pressure kPa (kg/cm <sup>2</sup> , psi)	60 – 80 (0,6 – 0,8, 8,5 – 11)			
	Inner tube outside diameter mm (in)	35 (1.4)			
Rear shock absorber air pressure kPa (kg/cm <sup>2</sup> , psi)		-			
Final gear oil	Type	-			
	Capacity mL (US fl.oz)	-			
Drive Chain	Type	Endless			
	Size	EK520HVDO			
	No. of links	98			
Drive belt	Type	-			
	Tension (Use special tool)	-			
Drive Chain length service limit (20 links) mm (in)		323 (12.7)			
Front brake lever play mm (in)		-			
Rear brake pedal play mm (in)		-			
Rear brake pedal position (from top of footpeg) mm (in)		27 – 30 (1.1 – 1.5)			
Rear brake light switching position (from rest position) mm (in)		5 (0.2)			
Brake oil type D.O.T.3					
Tire	Front	Make/Type		Bridgestone G 519 or Dunlop GT200	
		Air pressure (cold) kPa (kg/cm <sup>2</sup> psi)	-	200 (2.0, 28)	
			-	-	
			-	-	
	Minimum tread depth in mm (in)		1 (0.04)		
	Rear	Make/Type		Bridgestone G518 or Dunlop GT200	
		Air pressure (cold) kPa (kg/cm <sup>2</sup> psi)	Up to 97,5 kg (215 ib)	225 (2.25,32)(J) 1 rider 2.25 kg/cm <sup>2</sup> / 2 riders 2.50 kg/cm <sup>2</sup>	
			97.5 – 150 kg (215 – 331 ib)	250 (2.50, 36)	
			150 – 177 kg (331 – 390 ib)	280 (2.80, 40)	
		Minimum tread depth mm (in)	Under 110 km/h (70 mph)	2 (0.08)	
Over 110 km/h (70 mph)	3 (0.12) (J) -				
Item rumost service limit mm (in)	Axial	0.5 (0.02)			
	Radial	0.8 (0.03)			
Fuel tank capacity L (US gal)		18 (4.8)			
Engine oil tank capacity L (US qt)		1.5 (1.6)			
Curb weight distribution kg / ib)	Front	-			
	Rear	-			
	Total	-			
Drive chain slack mm (in)		20 – 30 (0.8 – 1.0)			

Frame & Dimensions