

CRF150R

Item	Metric	English
Dimension		
Overall length	1,832 mm	72.1 in
Overall width	770 mm	30.3 in
Overall height	1,133 mm	44.6 in
Wheelbase	1,260 mm	49.6 in
Seat height	832 mm	32.8 in
Footpeg height	379 mm	14.9 in
Ground clearance	301 mm	11.9 in
Frame		
Type	Semi double cradle	
F. suspension	Telescopic fork travel 241.3 mm (9.50 in) stroke 275 mm (10.8 in)	
R. suspension	Pro-link travel 272.4 mm (10.72 in)	
Front tyre	ED, CM	70/100 – 17 40M
		BRIDGESTONE M23
	U	70/100 – 17 40M
		IRC M6B
Rear tyre	ED, CM	90/100 – 14 49M
		BRIDGESTONE M22
	U	90/100 – 14 49M
		IRC M5C
Tyre type	bias-ply, tube	
Tyre pressure, front (cold)	100 kPa (1.0 kgf/cm ² , 15 psi)	
Tyre pressure, rear (cold)	100 kPa (1.0 kgf/cm ² , 15 psi)	
F. brake, swept area	Single disc brake 358.1 cm ² (55.5 in ²)	
R. brake, swept area	Single disc brake 300.7 cm ² (46.6 in ²)	
Fuel recommendation	unleaded petrol, research octane number of 95 or higher	
Fuel capacity	4.3 ℓ	1.14 US gal 0.95 Imp gal
Caster angle	27°2'	
Trail length	78 mm	3.1 in
Fork oil capacity	357.0 cm ³	12.07 US oz 12.57 Imp oz

Item	Metric	English
Engine		
Type	Liquid cooled, 4-stroke	
Cylinder arrangement	Single 19° inclined from vertical	
Bore and stroke	66.0 x 43.7 mm	2.60 x 1.72 in
Displacement	149.7 cm ³	9.13 cu-in
Compression ratio	11.7 : 1	
Valve clearance	Intake: 0.16 ± 0.03 mm (0.006 ± 0.001 in) Exhaust: 0.26 ± 0.03 mm (0.010 ± 0.001 in)	
Engine oil capacity	0.56 ℓ	0.59 US qt
After draining		0.49 Imp qt
After draining and oil filter change		0.62 US qt 0.52 Imp qt
After disassembly	0.70 ℓ	0.74 US qt 0.62 Imp qt
Transmission oil capacity	0.57 ℓ	0.60 US qt
After draining		0.50 Imp qt
After disassembly	0.65 ℓ	0.69 US qt 0.57 Imp qt
Carburetor (CM Type)		
Type	Piston valve	
Identification number	FCR08B	
Main jet (standard)	# 138	
Jet needle (standard)	NMQS	
Needle clip position (standard)	3rd groove	
Slow jet (standard)	# 38	
Pilot screw opening	2 turns out	
Float level	7.0 mm	0.28 in
Idle speed	2,100 ± 100 min ⁻¹ (rpm)	

Item	Metric	English
Carburetor (ED, U Type)		
Type	Piston valve	
Identification number	FCR15A	
Main jet (standard)	# 130	
Jet needle (standard)	NMQT	
Needle clip position (standard)	3rd groove	
Slow jet (standard)	# 40	
Pilot screw opening	1 7/8 turns out	
Float level	7.0 mm	0.28 in
Idle speed	2,100 ± 100 min ⁻¹ (rpm)	
Cooling System		
Coolant capacity	0.76 ℓ	0.80 US qt
After disassembly		0.67 Imp qt
Drive train		
Clutch type	Wet, multi-plate type	
Transmission	5-speed, constant mesh	
Primary reduction	4.117	
Gear ratio I	2.214	
Gear ratio II	1.647	
Gear ratio III	1.318	
Gear ratio IV	1.105	
Gear ratio V	0.956	
Final reduction	3.333	
Gear shift pattern	Left foot-operated return system 1-N-2-3-4-5	
Electrical		
Ignition	ICM	
Starting system	Kickstarter	
Spark plug: Standard	NGK CR8EH-9 DENSO U24FER9	
Optional	NGK CR9EH-9 DENSO U27FER9	
Spark plug gap	0.8 – 0.9 mm (0.031 – 0.035 in)	