

# Specifications

## CRF150RB

Item	Metric	English
<b>Dimension</b>		
Overall length	1,900 mm	74.8 in
Overall width	770 mm	30.3 in
Overall height	1,171 mm	46.1 in
Wheelbase	1,285 mm	50.6 in
Seat height	866 mm	34.1 in
Footpeg height	413 mm	16.3 in
Ground clearance	336 mm	13.2 in
<b>Frame</b>		
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 282.1 mm (11.11 in)	
Front tyre	70/100 – 19 42M	
	BRIDGESTONE	M61
Rear tyre	90/100 – 16 52M	
	BRIDGESTONE	M58
Tyre type	bias-ply, tube	
Tyre pressure, front (cold)	100 kPa (1.0 kgf/cm <sup>2</sup> , 15 psi)	
Tyre pressure, rear (cold)	100 kPa (1.0 kgf/cm <sup>2</sup> , 15 psi)	
F. brake, swept area	Single disc brake 358.1 cm <sup>2</sup> (55.5 in <sup>2</sup> )	
R. brake, swept area	Single disc brake 300.7 cm <sup>2</sup> (46.6 in <sup>2</sup> )	
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° 48'	
Trail length	96 mm	3.8 in
Fork oil capacity	342.0 cm <sup>3</sup>	11.57 US oz 12.04 Imp oz

Item	Metric	English
<b>Engine</b>		
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 <sup>3</sup>	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 After draining	0.56 ℓ	0.59 US qt 0.49 Imp qt
After draining and oil filter change	0.59 ℓ	0.62 US qt 0.52 Imp qt
After disassembly	0.70 ℓ	0.74 US qt 0.62 Imp qt
Transmission oil capacity After draining	0.57 ℓ	0.60 US qt 0.50 Imp qt
After disassembly	0.65 ℓ	0.69 US qt 0.57 Imp qt
<b>Carburetor (CM Type)</b>		
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 <sup>-1</sup> (rpm)	

Item	Metric	English
<b>Carburetor (ED, U Type)</b>		
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 <sup>-1</sup> (rpm)	
<b>Cooling System</b>		
Coolant capacity After disassembly	0.76 ℓ	0.80 US qt 0.67 Imp qt
<b>Drive train</b>		
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	3.733	
Gear shift pattern	Left foot-operated return system 1-N-2-3-4-5	
<b>Electrical</b>		
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)	