

CRF150R

| Item | English | Metric |
|-----------------------------|--|---------------------|
| Dimension | | |
| Overall length | 72.1 in | 1,832 mm |
| Overall width | 30.3 in | 770 mm |
| Overall height | 44.6 in | 1,133 mm |
| Wheelbase | 49.6 in | 1,260 mm |
| Seat height | 32.8 in | 832 mm |
| Footpeg height | 14.9 in | 379 mm |
| Ground clearance | 11.9 in | 301 mm |
| Frame | | |
| Type | Semi double cradle | |
| F. suspension | Telescopic fork travel 9.5 in (241 mm) stroke 10.8 in (275 mm) | |
| R. suspension | Pro-link, travel 10.7 in (272 mm) | |
| Front tire | AC | 70/100 – 17 40M |
| | | DUNLOP MX71F |
| | CM | 70/100 – 17 40M |
| | | BRIDGESTONE M23 |
| Rear tire | AC | 90/100 – 14 49M |
| | | DUNLOP MX71 |
| | CM | 90/100 – 14 49M |
| | | BRIDGESTONE M22 |
| Tire type | bias-ply, tube | |
| Tire pressure, front (cold) | 15 psi (100 kPa, 1.0 kgf/cm ²) | |
| Tire pressure, rear (cold) | 15 psi (100 kPa, 1.0 kgf/cm ²) | |
| F. brake, swept area | Single disc brake 55.5 in ² (358.1 cm ²) | |
| R. brake, swept area | Single disc brake 46.6 in ² (300.7 cm ²) | |
| Fuel recommendation | unleaded gasoline, pump octane number of 91 or higher | |
| Fuel capacity | 1.14 US gal | 4.3 ℓ |
| Caster angle | 27°2' | |
| Trail length | 3.1 in | 78 mm |
| Fork oil capacity | 12.04 US oz | 356 cm ³ |

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| Engine | | |
| Type | Liquid cooled, 4-stroke | |
| Cylinder arrangement | Single 19° inclined from vertical | |
| Bore and stroke | 2.60 x 1.72 in | 66.0 x 43.7 mm |
| Displacement | 9.13 cu-in | 149.7 cm ³ |
| Compression ratio | 11.7 : 1 | |
| Valve clearance | Intake: 0.006 ± 0.001 in (0.16 ± 0.03 mm) Exhaust: 0.010 ± 0.001 in (0.26 ± 0.03 mm) | |
| Engine oil capacity | | |
| After draining | 0.59 US qt | 0.56 ℓ |
| After draining and oil filter change | 0.62 US qt | 0.59 ℓ |
| After disassembly | 0.74 US qt | 0.70 ℓ |
| Transmission oil capacity | | |
| After draining | 0.60 US qt | 0.57 ℓ |
| After disassembly | 0.69 US qt | 0.65 ℓ |
| Carburetor | | |
| Type | Piston valve | |
| Identification number | FCR08D | |
| Main jet (standard) | # 140 | |
| Jet needle (standard) | NMQT | |
| Needle clip position (standard) | 3rd groove | |
| Slow jet (standard) | # 38 | |
| Pilot screw opening | 2 1/8 turns out | |
| Float level | 0.28 in | 7.0 mm |
| Idle speed | 2,100 ± 100 rpm | |
| Cooling system | | |
| Cooling capacity | | |
| After disassembly | 0.80 US qt | 0.76 ℓ |

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| 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 : | NGK CR8EH-9 DENSO U24FER9 | |
| Standard | | |
| Optional | NGK CR9EH-9 DENSO U27FER9 | |
| Spark plug gap | 0.031 – 0.035 in (0.8 – 0.9 mm) | |