

# CB1100R technical aspects

Utilising the very popular CB900 as its base, the CB1100 benefited from much more than window dressing and they started by increasing the bore size from 64.5 to 70mm; achieving 1062cc. Honda took the 900's best bits and improved, stronger gearing and beefed up clutch springs plus larger 33mm carbs and a double width oil cooler. The detachable lower tube on the frame was no longer, one piece and strengthened, plus a larger steering head diameter. Multi-adjustable clip-ons fitted to 37mm forks that enjoyed a balance bar between them, whilst to aid ground clearance a small generator was installed with chamfered casings offering additional levels of lean. Three versions of the CB110R were built and Honda made the fairing components unique to each and not interchangeable. Budget restraints must have been few and far between as the engineers created a unique, if not rather 'niche' machine. Honda commented very little about their race bike for the road back in the early 80s and even the production figures have been disputed. One Australian website claims to have the official factory numbers from Japan and they read ... CB1100RB1 – unfaired (Australia only) 121 / RB2 ½ fairing 950/ RC fully faired 1500/ RD fully faired (final production 1983) 1500.

## Honda CB1100R Technical Information;

- **Engine:** 1062cc /air-cooled/ DOHC, 16 valves
- **Bore & stroke:** 70 mm x 69 mm
- **Compression Ratio:** 10:1
- **Carburetion:** 4 – 33mm Keihin CV
- **Max Power:** 115 bhp @ 9000rpm
- **Torque:** 72.5 ft-lb @ 7500 rpm
- **Ignition:** CDI
- **Transmission:** five-speed, wet clutch
- **Frame:** steel tube double cradle
- **Suspension:** Fr: 37mm telescopic fork/ anti-dive /adjustable spring.
- Rr: Twin shock/ adjustable spring / Compression rebound damping rear
- **Wheels:** 100/90 x 18, 130/90 x 18 Note: 19" front wheel on the RB model
- **Brakes:** Fr: twin 262mm disc twin-piston floating calipers.
- Rr: Single 262mm disc twin piston floating caliper.
- **Wheelbase:** 1475mm
- **Weight:** 235 kgs
- **Fuel capacity:** 27 litre
- **Top speed:** 145 mph

Recommended Video: A lap of Bathurst on-board with Dennis Neill CB1100R (superbike) in 1981 <https://youtu.be/kJSIro-47Ns>