

DATA & EQUIPMENT

THE BMW R 12

The R 12 embodies the unique coolness of a cruiser. In addition to the cruiser flyline that slopes down towards the rear, the equipment is of course also responsible for the relaxed riding experience, allowing you to surf through cities and along country roads in laid-back style. This casual bike is powered by an air/oil-cooled 1,170-cc boxer engine, which provides plenty of torque and nice acceleration at low revs. You can find out everything else that comes with the #Soulfuel bike here.



TECHNICAL DATA

Engine

| | |
|-----------------------------------|---|
| Rated output | 70 kW (95 hp) at 6,500 rpm, OE power reduction: 35 kW (48 hp) at 5.250 rpm |
| Emission control | Closed-loop 3-way catalytic converter |
| Type | Air/oil-cooled two-cylinder, four-stroke boxer engine with two overhead camshafts, four radially arranged valves and central counterbalance shaft |
| Bore x stroke | 101 mm x 73 mm |
| Capacity | 1,170 cc |
| Max. torque | 110 Nm at 6,000 rpm, OE power reduction: 98 Nm at 3,000 rpm |
| Compression ratio | 12.0 : 1 |
| Mixture control | Electronic intake pipe injection / digital engine management system: BMS-O with throttle-by-wire |
| Exhaust emission standards | EU 5 |

Performance / fuel consumption

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|--|--|
| Maximum speed | 203 km/h |
| Fuel consumption per 100 km based on WMTC | 5.1 l |
| Fuel type | Super unleaded (max. 15% ethanol, E15), 95 ROZ/RON, 90 AKI |
| CO2 emission based on WMTC | 119 g/km |

Electrical system

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|-------------------|--|
| Alternator | Permanent magnet alternator with 660 W (nominal power) |
| Battery | 12 V / 14 Ah, maintenance-free |

Power transmission

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|-------------------------|--|
| Clutch | Single-disc dry clutch, hydraulically operated |
| Gearbox | Claw-shifted 6-gear gearbox with separate transmission housing |
| Drive | Cardan |
| Traction control | BMW Motorrad DTC |

Chassis / brakes

| | |
|--|--|
| Frame | Tubular space frame |
| Front wheel location / suspension | Upside-down telescopic fork, diameter 45 mm |
| Rear wheel location / suspension | Cast aluminium single-sided swing arm with Paralever brace, central progressive spring strut, spring pre-load adjustable, rebound damping adjustable |
| Suspension travel, front / rear | 90 mm / 90 mm |
| Wheels | Aluminium cast wheels |
| Rim, front | 2.75 x 19" |
| Rim, rear | 4.00 x 16" |
| Tyre, front | 100/90 R19 |
| Tyre, rear | 150/80 R16 |
| Brake, front | Twin disc brake, floating brake discs, diameter 310 mm, 4-piston Monobloc radial brake caliper |
| Brake, rear | Single disc brake, diameter 265 mm, 2-piston floating caliper |
| ABS | BMW Motorrad Integral ABS Pro (partial integral) |

Dimensions / weights

| | |
|--|----------------------------|
| Seat height at unladen weight | 754 mm |
| Usable tank volume | 1,760 mm |
| Reserve | approx. 3.5 l |
| Length | 2,200 mm (over rear wheel) |
| Height | 1,110 mm (without mirror) |
| Width | 830 mm (above hand lever) |
| Unladen weight, road ready, fully fuelled | 227 kg ¹⁾ |
| Permitted total weight | 430 kg |
| Payload (with standard equipment) | 202 kg |