

# DATA & EQUIPMENT

## THE BMW R 12 NINE T

The R 12 nineT turns the road into a stage and guarantees you a stylish appearance. The unmistakable roadster combines classic elements with state-of-the-art technology to create a unique work of art. The iconic bike is powered by the legendary boxer engine, which has been thrilling fans with its punch for decades. You can find out everything about the extensive technical equipment of the #Soulfuel bike on this page.



## TECHNICAL DATA

### Engine

<b>Rated output</b>	80 kW (109 hp) at 7,000 rpm, A2: 70 kW (95 hp) at 6,500 rpm, OE power reduction: 35 kW (48 hp) at 5,250 rpm
<b>Emission control</b>	Closed-loop 3-way catalytic converter
<b>Type</b>	Air/oil-cooled two-cylinder, four-stroke boxer engine with two overhead camshafts, four radially arranged valves and central counterbalance shaft
<b>Bore x stroke</b>	101 mm x 73 mm
<b>Capacity</b>	1,170 cc
<b>Max. torque</b>	115 Nm at 6,500 rpm, A2: 110 Nm at 6,000 rpm, OE power reduction: 98 Nm at 3,000 rpm
<b>Compression ratio</b>	12.0 : 1
<b>Mixture control</b>	Electronic intake pipe injection / digital engine management system: BMS-O with throttle-by-wire
<b>Exhaust emission standards</b>	EU 5

### Performance / fuel consumption

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

### Electrical system

<b>Alternator</b>	Permanent magnet alternator with 660 W (nominal power)
<b>Battery</b>	12 V / 10 Ah, maintenance-free

### Power transmission

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

### Chassis / brakes

<b>Frame</b>	Tubular space frame
<b>Front wheel location / suspension</b>	Upside-down fork, diameter 45 mm, spring pre-load adjustable, rebound and compression adjustable
<b>Rear wheel location / suspension</b>	Cast aluminium single-sided swing arm with Paralever brace, central progressive spring strut, spring pre-load adjustable, rebound damping adjustable
<b>Suspension travel, front / rear</b>	120 mm / 120 mm
<b>Wheelbase</b>	1,511 mm
<b>Castor</b>	110.7 mm
<b>Steering head angle</b>	62.3°
<b>Wheels</b>	Aluminium cast wheels
<b>Rim, front</b>	3.50 x 17"
<b>Rim, rear</b>	5.50 x 17"
<b>Tyre, front</b>	120/70 ZR17
<b>Tyre, rear</b>	180/55 ZR17
<b>Brake, front</b>	Twin disc brake, floating brake discs, diameter 310 mm, 4-piston Monobloc radial brake caliper
<b>Brake, rear</b>	Single disc brake, diameter 265 mm, 2-piston floating caliper
<b>ABS</b>	BMW Motorrad Integral ABS (partial integral)

### Dimensions / weights

<b>Seat height at unladen weight</b>	795 mm
<b>Usable tank volume</b>	1,765 mm
<b>Reserve</b>	16 l
<b>Length</b>	approx. 3.5 l
<b>Height</b>	2,130 mm (over rear wheel)
<b>Width</b>	1,070 mm (without mirror)
<b>Unladen weight, road ready, fully fuelled</b>	220 kg <sup>1)</sup>
<b>Permitted total weight</b>	430 kg
<b>Payload (with standard equipment)</b>	211 kg