

Technical data sheets BMW Motorrad

Date: 09.03.2020

MY 2021

Status: approved

R 18 Classic (0L21/0L23)

Engine

Type	Air / oil-cooled two-cylinder four-stroke boxer engine with two chain-driven camshafts located above the crankshaft
Bore / stroke	107,1 mm x 100 mm
Capacity	1802 ccm
Rated output	67 kW (91 hp) at 4750 rpm
Max. torque	158 Nm at 3000 rpm
Compression ratio	9,6 :1
Mixture control	Electronic manifold injection / digital engine management: BMS-O with E-gas
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-5

Performance / fuel consumption

Maximum speed	over 180 km/h
Fuel consumption per 100 km based on	5,6 l/100km
CO ₂ emission based on WMTC	129 g/km
Fuel type	Unleaded super (max. 15% Ethanol, E15) ROZ 95 90 AKI

Electrical system

Alternator	Permanent magnet generator 600 W (nominal power)
Battery	12 V / 26 Ah, maintenance-free

Power transmission

Clutch	Single-disc dry clutch
Gearbox	claw-shifted 6-gear transmission in separate gearbox housing
Drive	Shaft drive

Chassis / brakes

Frame	half-duplex cradle frame with bolt on lower frame rails
Front wheel location / suspension	Telescopic front fork
Rear wheel location / suspension	steel dual swingarm with central spring strut
Suspension travel, front / rear	120 mm / 90 mm
Wheelbase	1731 mm
Castor	150 mm
Steering head angle	57,3°
Wheels	spoke wheels
Rim, front	3,00" x 16"
Rim, rear	5,0" x 16"
Tyre, front	130/90 B16

Tyre, rear	180/65 B16
Brake, front	Dual disc brake, diameter 300 mm, 4-piston radial calipers
Brake, rear	Single disc brake, diameter 300 mm, 4-piston radial calipers
ABS	BMW Motorrad Integral ABS (part-integral)

Dimensions / weights

Seat height	710 mm
Inner leg curve	1655 mm
Usable tank volume	16 l
Reserve	approx. 4 l
Length (over numberplate)	2440 mm
Height (without mirror)	1342 mm
Height (over windshield, with DIN-unladen	1397 mm
Wide (with mirror)	964 mm
Unladen weight, road ready, fully fueled 1)	365 kg
Permitted total weight	560 kg
Payload (with standard equipment)	195 kg

Equipment (in parts)

Standard equipment	New speedometer with multifunction display (on-board computer), full LED headlight, LED rear and brake light included in rear indicators, ASC (Automatic Stability Control), 3 riding modes (Rock, Roll, Rain), Keyless Ride
Optional equipment (OE)	HSC (Hill Start Control), Reverse gear, lockable filler cap, DWA (anti theft alarm)
Optional accessories (OA)	various wheels, seats, handle bars, valve covers, engine breast plate, luggage range, engine protection bar, windshields and more

Technical data relate to the unladen weight (DIN)

1) According to guideline VO (EU) 168/2013 with all fluids, with standard equipment and fuelled with at least 90% of usable tank volume.