

Technical data sheets BMW MotorradDate: 15.12.2020
Status: approved

MY 2022

R 1250 RT (0L01, 0L03)

Engine	
Type	Air/liquid-cooled four stroke flat twin engine, double overhead camshaft, one balance shaft and variable engine timing system BMW ShiftCam.
Bore / stroke	102.5 mm x 76 mm
Capacity	1,254 cc
Rated output	100 kW at 7,750 rpm
Max. torque	143 Nm at 6,250 rpm
Compression ratio	12.5 :1
Mixture control	Electronic intake pipe injection
Emission control	Closed-loop 3-way catalytic converter, emission standard EU-5

Performance / fuel consumption	
Maximum speed	over 200 km/h
Fuel consumption per 100 km based on WMTC	4.75 l/100km
CO ₂ emission based on WMTC	110 g/km
Fuel type	Unleaded super, octane number 95 (RON) adaptive fuel quality regulation (91 to 98 RON)

Electrical system	
Alternator	three-phase alternator 508 W (nominal power)
Battery	12 V / 16 Ah, maintenance-free

Power transmission	
Clutch	oil lubricated clutch, hydraulically operated
Gearbox	Constant mesh 6-speed gearbox with helical gear teeth
Drive	Shaft drive

Chassis / brakes	
Frame	Two-section frame, front- and bolted on rear frame, load-bearing engine
Front wheel location / suspension	BMW Motorrad Telelever; stanchion diameter 37 mm, central spring strut
Rear wheel location / suspension	Cast aluminium single-sided swing arm with BMW Motorrad Paralever; WAD strut (travel-related damping), spring pre-load hydraulically adjustable (continuously variable) at handwheel, rebound damping adjustable at handwheel
Suspension travel, front / rear	120 mm / 136 mm
Wheelbase, normal load with rider	1,485 mm
Castor, normal load with rider	116 mm
Steering head angle, unloaded	64.1°
Wheels	Cast aluminium wheels
Rim, front	3.50" x 17"
Rim, rear	5.50" x 17"
Tyre, front	120/70 ZR 17
Tyre, rear	180/55 ZR 17
Brake, front	Dual disc brake, floating brake discs, diameter 320 mm, 4-piston radial calipers
Brake, rear	Single disc brake, diameter 276 mm, double-piston floating caliper
ABS	BMW Motorrad Fully Integral ABS Pro (fully integral system, slant-layer-optimized)

Dimensions / weights	
Seat height	805 / 825 mm (OE low seat: 760 / 780 mm; OE high seat: 830 / 850 mm)
Inner leg curve	1,810 / 1,850 mm (OE low seat: 1,740 / 1,780 mm; OE high seat: 1,875 / 1,915)
Usable tank volume	approx. 25 l
Reserve	approx. 4 l
Length	2,222 mm
Height (at windshield)	min. 1,405 mm; max. 1,570 mm (Style Sport: min. 1,360 mm; max. 1,480 mm)
Width (incl. mirrors)	985 mm
Width (incl. side cases)	990 mm
Unladen weight, road ready, fully fuelled 1)	279 kg
Permitted total weight	505 kg
Payload (with standard equipment)	226 kg

Equipment (in parts)	
Standard equipment	10,25 inch color TFT display with connectivity and integrated map-navigation (by BMW Motorrad connected app), BMW Motorrad fully integral ABS Pro, DCC (cruise control with braking function), fully LED headlight with light icon, double tone fanfare, 4 favorit button cluster, DTC (dynamic traction control), 3 riding modes (ECO, RAIN and ROAD), HSC (hill start control)
Optional equipment (OE)	Adaptive cornering light, ACC (active cruise control with radar-sensor), LED daytime riding light (icon), audio system (f.e. with DAB+, SAT-radio and sound-profiles), charging storage for mobile phone (inductive and USB charging), Dynamic ESA next generation (elektronic suspension adjustment with automatic load leveling), Keyless Ride, central locking system, seat heating, RDC (tyre pressure control), riding mode Pro (riding modes Dynamic and HSC Pro, engine brake control MSR, dynamic brake control DBC), Option 719 milled parts, Option 719 wheels, sport silencer
Optional accessories (OA)	Comfort windshield, seat options, top box with painted cover, tank rucksack

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.