

Technical data sheets BMW Motorrad

Date: 27.07.2021
Status: approved

MY 2022

R 18 Transcontinental (0L43)

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	1.802 cc / 110 cu
Rated output	67 kW (91hp) at 4,750 rpm
Max. torque	158 Nm at 3,000 rpm
Compression ratio	9,6 : 1
Mixture control	Electronic manifold injection / digital engine management: BMS-O with Egas
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 WMTC	5.8 l/100km
CO ₂ emission based on WMTC	134 g/km
Fuel type	Unleaded super (max. 15% Ethanol, E15) ROZ 95 90 AKI

Electrical system

Generator	Permanent magnet generator 660 W (nominal power)
Batterie	12V / 26 Ah

Power transmission

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

Chassis / brakes

Frame	double loop tubular steel 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	120 mm / 120 mm
Wheelbase	1.695 mm
Castor	183,5 mm
Steering head angle	62,7°
Wheels	Aluminum cast wheels
Rim, front	3,5" x 19"
Rim, rear	5,0" x 16"
Tyre, front	120/70 R 19
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 (fully-integral)

Dimensions / weights

Seat height	740 mm
Inner leg curve	1,710 mm
Usable tank volume	approx. 24 l
Reserve	approx. 4 l
Length (over numberplate)	2,640 mm
Height (at windshield)	1,500 mm
Width (incl. mirrors)	970 mm
Unladen weight, road ready, fully fuelled 1)	427 kg
Permitted total weight	630 kg
Payload (with standard equipment)	202 kg

Equipment

Standard equipment	New front fairing with high windshield, new 10.25" TFT color display, Marshall Audio Sound System, LED headlights, LED indicators, LED rear and brake lights, Dynamic Cruise Control, ASC, 3 driving modes (Rock, Roll, Rain), Keyless Ride, Top Loader side cases, engine protection bar, seat heating
Optional equipment (OE)	Active Cruise Control, Marshall Audio Gold Series Stage 1, HSC (Hill Start Control), adaptive headlights, reverse gear, DWA
Optional accessories (OA)	Vance & Hines silencers, various Rolands Sands forged parts with milled surfaces (valve covers, engine front covers, ...), various wheels, seats / benches, handlebars, engine protection bars 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.