

Specifications.

BMW 3 Series Gran Turismo.

318d, 320d



		BMW 318d Gran Turismo	BMW 320d Gran Turismo
Body			
No. of doors/seats		4 / 5	4 / 5
L/W/H ¹⁾ (unladen)	mm	4824 / 1828 / 1508	4824 / 1828 / 1508
Wheelbase	mm	2920	2920
Front/rear track	mm	1541 / 1586	1541 / 1586
Ground clearance	mm	165	165
Turning circle	m	11.8	11.8
Fuel capacity	approx. l	57	57
Engine oil capacity ²⁾	l	5.0	5.0
Weight, unladen (DIN/EU)	kg	1570 / 1645 (1595 / 1670)	1580 / 1655 (1595 / 1670)
Payload (DIN)	kg	570	570
Permitted total weight	kg	2140 (2165)	2150 (2165)
Permitted axle load, front/rear	kg	965 / 1260	965 / 1260
Permitted trailer load (12%) braked/unbraked	kg	1600 / 745	1600 / 745
Permitted roof load/trailer download	kg	75 / 75	75 / 75
Luggage compartment capacity	l	520 – 1600	520 – 1600
Aerodynamic drag	c _d x A	0.28 x 2.31	0.28 x 2.31
Engine			
Type/no. of cylinders/valves		in-line / 4 / 4	in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 2000 bar)	
Effective capacity	cc	1995	1995
Stroke/bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel type		Diesel	Diesel
Output	kW/hp	110 / 150	140 / 190
at rpm	min ⁻¹	4000	4000
Torque	Nm	320	400
at rpm	min ⁻¹	1500 – 3000	1750 – 2500
Electrical			
Battery charge/location	Ah/–	90 / luggage compartment	90 / luggage compartment
Alternator current/output	A/W	150 / 2100	150 / 2100
Driving Dynamics and Safety			
Front suspension		Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, transverse force compensation, anti-dive	
Rear suspension		Five-link axle in lightweight construction	
Front brakes		Single-piston floating-calliper disc brakes, vented	
Rear brakes		Single-piston floating-calliper disc brakes, vented	
Driving stability systems		As standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist	
Safety equipment		As standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function, optional: Variable Sport Steering	
Overall steering ratio	:1	15.1	15.1
Front/rear tyres		225/55 R17 97V	225/55 R17 97V
Front/rear wheels		8J x 17 light-alloy	8J x 17 light-alloy

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Transmission				
Type of gearbox		6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1	4.002 (5.000)	4.110 (5.000)
	II	:1	2.130 (3.200)	2.248 (3.200)
	III	:1	1.396 (2.143)	1.403 (2.143)
	IV	:1	1.000 (1.720)	1.000 (1.720)
	V	:1	0.781 (1.314)	0.802 (1.314)
	VI	:1	0.668 (1.000)	0.659 (1.000)
	VII	:1	– (0.822)	– (0.822)
	VIII	:1	– (0.640)	– (0.640)
	R	:1	3.647 (3.456)	3.727 (3.456)
Differential ratio		:1	3.385 (2.813)	3.385 (2.813)
Performance				
Weight-to-power ratio (DIN unladen)		kg/kW	14.3 (14.5)	11.3 (11.4)
Specific power output		kW/l	55.1	70.2
Acceleration 0–100 km/h	sec.		9.3 (9.2)	7.8 (7.7)
in 5th gear 80–120 km/h	sec.		10.8 (–)	8.6 (–)
Max. speed	km/h		210 (210)	230 (226)
BMW EfficientDynamics				
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration with recuperation display, electromechanical power steering, Automatic Start/Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, detachable a/c compressor, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance		
Fuel consumption (EU) ³⁾				
with standard wheels and tyres				
Urban	l/100 km		5.3 (4.9)	5.5 (5.0)
Extra-urban	l/100 km		4.0 (3.9)	4.1 (3.9)
Total	l/100 km		4.5 (4.3)	4.6 (4.3)
CO ₂ emissions	g/km		117 (112)	120 (113)
with 8J x 18 wheels and 225/50 R18 tyres, with 8J x 18 wheels at front, 9J x 18 wheels at rear and 225/50 R18 tyres at front, 255/45 R18 tyres at rear				
Urban	l/100 km		5.5 (5.1)	5.6 (5.2)
Extra-urban	l/100 km		4.1 (4.0)	4.2 (4.1)
Combined	l/100 km		4.6 (4.4)	4.7 (4.5)
CO ₂ emissions	g/km		121 (117)	125 (118)
with 8J x 19 wheels at front, 9J x 19 wheels at rear and 225/45 R19 tyres at front, 255/40 R19 tyres at rear				
Urban	l/100 km		5.6 (5.2)	5.7 (5.4)
Extra-urban	l/100 km		4.1 (4.1)	4.3 (4.1)
Combined	l/100 km		4.7 (4.5)	4.8 (4.6)
CO ₂ emissions	g/km		123 (119)	127 (120)
Emissions standard			EU6	EU6

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets are for vehicles with automatic transmission

¹⁾ Height with roof aerial

²⁾ Oil change volume

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format