

Body		
No. of doors/seats		4 / 5
Length/width/height (unladen)	mm	4910 / 1891 / 1456
Wheelbase	mm	2964
Track, front/rear	mm	1627 / 1582
Ground clearance	mm	117
Turning circle	m	12,6
Tank capacity	approx. l	80
Cooling system incl heating	l	18.5
Engine oil ¹⁾	l	8.4
Weight, unladen, to DINEU	kg	1870 / 1945
Max load to DIN	kg	540
Max permissible weight	kg	2410
Max axle load, front/rear	kg	1180 / 1260
Max trailer load, braked (12%)/unbraked	kg	2000 / 750
Max roof load/towbar download	kg	100 / 190
Luggage comp capacity	l	520
Air drag	$c_x \times A$	0.33 x 2.40

Engine		
Configuration/No of cyls/valves		V90 / 8 / 4
Engine technology		M TwinPower Turbo technology with cross-bank exhaust manifold, twin-scroll turbocharging, direct petrol injection (High Precision Injection), VALVETRONIC and Double-Vanos
Effective capacity	cm ³	4395
Bore/stroke	mm	88.3 / 89.0
Compression ratio	:1	10.0
Fuel grade		RON 98 (min. 95)
Output	kW/hp	412 / 560
at	min ⁻¹	6000 – 7000
Torque	Nm	680
at	min ⁻¹	1500 – 5750

Electrical system		
Battery/Installation	Ah/-	105 / luggage comp
Alternator	AW	210 / 2926

Driving dynamics and safety		
Suspension, front		Double track control arm with M-specific elastokinematics, small, negative steering roll radius, anti-dive
Suspension, rear		Integral-V multi-arm axle with M-specific elastokinematic, spatial suspension with anti-squat and anti-dive
Brakes, front		Six-piston fixed-calliper compound disc brakes
Diameter	mm	400 x 36 / vented
Brakes, rear		Six-piston fixed-calliper compound disc brakes
Diameter	mm	396 x 24 / vented
Driving stability systems		Standard: DSC incl. ABS, ASC and MDM (M Dynamic Mode), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Dynamic Damper Control, Active M Differential, linked to Integrated Chassis Management (ICM)
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front, crash-activated head restraints at the front, crash sensors, Tyre Defect Indicator
Steering		Hydraulic rack-and-pinion steering with M-specific Servotronic function
Steering ratio, overall	:1	18.0
Tyres, front/rear		265/40 R19 102Y 295/35 R19 104Y
Rims, front/rear		9J x 19 LM 10J x 19 LM

BMW ConnectedDrive		
Comfort		Optional: BMW Assist incl. Enquiry Service, remote-control functions and V-Info+ (Traffic Info plus), Real-Time Traffic Information, BMW TeleServices, integration of mobile devices
Infotainment		Optional: internet access, BMW Online incl. Park Info, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps
Safety		Optional: variable light distribution and adaptive headlight range control (standard), High Beam Assistant, Park Distance Control, rear-view camera, Surround View incl. Top View and Side View, BMW Night Vision with pedestrian recognition, Head-Up Display (standard), Lane Change Warning, Lane Departure Warning, Speed Limit Info, Advanced eCall

Transmission		
Type of gearbox		Seven-speed M double-clutch transmission with Drivelogic
Gear ratios	I :1	4.806
	II :1	2.593
	III :1	1.701
	IV :1	1.277
	V :1	1.000
	VI :1	0.844
	VII :1	0.671
	R :1	4.172
Final drive	:1	3.150

Performance		
Power-to-weight ratio	kg/kW	4.5
Output per litre	kWh/l	93.7
Acceleration	0-100 km/h	s
	0-1000 m	s
	in 4 th /5th gear	80-120 s
Top speed	km/h	250 / 305 ²⁾

BMW EfficientDynamics		
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Auto Start-Stop function, intelligent lightweight construction, on-demand operation of ancillary units, flow rate-controlled power steering pump, tyres with reduced rolling resistance

Fuel consumption EU		
with standard tyres		
Urban	l/100km	14.0
Extra-urban	l/100km	7.6
Combined	l/100km	9.9
CO ₂	g/km	232
Emission rating		EU5

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)
¹⁾ Oil change in conjunction with optional M Driver's Package

