



10/2011

Valid from
10/2011

BMW M3 Sedan		
Body		
No of doors / seats		4 / 5
Length/width/height (unladen)	mm	4580 / 1817 / 1447
Wheelbase	mm	2761
Track, front/rear	mm	1540 / 1539
Turning circle	m	11.7
Tank capacity	appr ltr	63
Cooling system incl heating	ltr	11.4 (11.6)
Engine oil ¹⁾	ltr	8.8
Weight, unladen, to DIN/EU	kg	1605 / 1680 (1625 / 1700)
Max load to DIN	kg	545 (525)
Max permissible	kg	2150
Max axle load, front/rear	kg	1020 / 1190
Max trailer load (12%), braked/unbraked	kg	- / -
Max roofload/max trail downld	kg	75 / -
Luggage comp capacity	ltr	450
Air resistance	C _d x A	0.31 x 2.23
Engine		
Configuration/No of cyls/valves		V / 8 / 4
Engine technology		High-revving concept with single butterflies, dual-Vanos, oil supply optimised for driving dynamics, ion flow anti-knock control
Capacity, effective	cc	3999
Stroke / bore	mm	75.2 / 92.0
Compression ratio	:1	12.0
Fuel grade		min RON 95
Max output	kW/hp	309 / 420
at	rpm	8300
Max torque	Nm/lb-ft	400 / 295
at	rpm	3900
Electrical System		
Battery/installation	Ah/-	70 / luggage comp
Alternator	AW	180 / 2520
Driving Dynamics and Safety		
Suspension, front		Aluminium two-joint spring strut axle with tiebar; small positive steering roll radius; compensation of lateral forces; anti-dive
Suspension, rear		Five-arm lightweight axle with ant-squat and anti-dive
Brakes, front		Single-piston swing-calliper compound disc brakes
Diameter	mm	360 x 30, vented and cross-drilled
Brakes, rear		Single-piston swing-calliper compound disc brakes
Diameter	mm	350 x 24, vented and cross-drilled
Driving stability systems		Standard: DSC incl ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Brake Assistant, Dry Braking, Fading Compensation, Start-Off Assistant, variable M differential lock, optional: Electronic Damper Control
Safety features		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seat belts on all seats, with belt stopper, belt tightener and belt force limiter at the front, crash-activated headrests at the front, crash sensors, Tyre Defect Indicator
Steering		Rack-and-pinion steering with hydraulic assistance and Servotronic
Transmission ratio, overall	:1	12.5
Tyres, front/rear		245/40 ZR18 / 265/40 ZR18
Rims, front/rear		8.5J x 18 EH2+ IS 29 cast alu / 9.5J x 18 EH2+ IS 23 cast alu

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BMW ConnectedDrive

Comfort	Optional: BMW Assist including Enquiry Service, remote control functions and Real-Time Traffic Information, BMW TeleServices, integration of mobile devices
Infotainment	Optional: access to the internet, BMW Online incl Parkinfo, National Info, Google Directory Service, News, real-time weather, office functions, BMW Routes, Bluetooth audio streaming, online music title update, Apps
Safety	Optional: Adaptive Headlights with Bending Lights, High-Beam Assistant, Park Distance Control, cruise control, Automatic/Enhanced Emergency Call

Transmission

Type of transmission	Six-speed manual (Optional: seven-speed M Double-Clutch Gearbox with Drivelogic)		
Gear ratios	I	:1	4.055 (4.780)
	II	:1	2.369 (3.056)
	III	:1	1.582 (2.153)
	IV	:1	1.192 (1.678)
	V	:1	1.000 (1.390)
	VI	:1	0.872 (1.203)
	VII	:1	- (1.000)
	R	:1	3.677 (4.454)
Final drive		:1	3.846 (3.154)

Performance

Power-to-weight ratio	kg/kW	5.2 (5.3)
Output per litre	kW/hp	77.3 / 105.1
Acceleration 0–100 km/h	sec	4.9 (4.7)
Standing-start km	sec	23.7 (23.3)
In 4th./5th gear 80–120 km/h	sec	5.1 / 6.2 (4.4 / 5.4)
Top speed	km/h	250 (250)

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration, Auto Start Stop, Gearshift Point Indicator, on-demand management of ancillary units, intelligent lightweight construction, map-controlled oil pump
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Fuel Consumption in EU Cycle

Urban	ltr/100km	17.7 (15.9)
Extra-urban	ltr/100km	9.3 (8.5)
Combined	ltr/100km	12.4 (11.2)
CO ₂	g/km	290 (263)
Emission rating		EU5

Specifications apply to ACEA markets/ homologation data apply in part only to Germany (weight)
Figures in brackets for M Double-Clutch Transmission with Drivelogic

¹⁾ Oil change