BMW Media Information

1/2012

Valid from 3/2012

Specifications. BMW M550d xDrive Touring.



		BMW M550d xDrive Touring
Podv		
Body No. of doors/seats		5/5
Length/width/height ¹⁾ (unladen)	mm	4910 / 1860 / 1462
Wheelbase	mm	2968
Track, front/rear	mm	1594 / 1620
Ground clearance	mm	131
Turning circle	m	11.95
Tank capacity	approx. I	70
Cooling system incl heating	ļ	12.6
Engine oil ²⁾		6.5
Weight, unladen, to DIN/EU	kg	1990 / 2065
Max load to DIN	kg	580
Max permissible weight	kg	2570
Max axle load, front/rear	kg	1240 / 1450
Max trailer load,	kg	
braked (12%)/unbraked		2000 / 750
Max roof load/towbar download	kg	100 / 90
Luggage comp capacity	Ī	560 – 1670
Air drag	c _d x A	0.32 x 2.35
Engine		
Configuration/No of cyls/valves		R/6/4
Engine technology		M Performance TwinPower Turbo technology
		with three turbochargers, multi-stage charging
		and variable turbine geometry, common-rail
		direct injection (max pressure: 2200 bar)
Effective capacity	cm ³	2993
Bore/stroke	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel grade		Diese
Output	kW/hp	280 / 381
at	min ⁻¹	4000 – 4400
Torque	Nm	740
at	min ⁻¹	2000 – 3000
Electrical system		
Battery/Installation	Ah/-	90 / luggage comp
Alternator	A/W	220 / 3080
Driving dynamics and asfaty		
Driving dynamics and safety Suspension, front		Double track control arm with separate lower track arm level, aluminium,
Suspension, none		M-specific damping and suspension tuning, small steering roll radius, anti-dive
Suspension, rear		Integral-V multi-arm axle, aluminium, double acoustic separation, M-specific damping and suspension tuning, with anti-dive and anti-squat, air suspension with automatic self-levelling
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure
Diameter	mm	Single-piston auminium swing-calliper disc brakes in frame structure 374 x 36 / vented
	mm	
Brakes, rear		Single-piston aluminium swing-calliper disc brakes
Diameter Driving stability systems	mm	345 x 24 / vented
Driving stability systems	S	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, DSC and xDrive all-wheel drive linked through ICM (Integrated Chassis Management); optional: Dynamic Damper Control, Adaptive Drive
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, runflat tyres, Tyre Defect Indicator
Steering		Hydraulic rack-and-pinion steering
Steering ratio, overall	.1	with M-specific Servotronic function
Tyres, front/rear	:1	

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Specifications.

Real-Time Traffic Information, BMW TeleServices, integration of mobile devices				BMW M550d xDrive Touring
Convenience Optional: BMW Assist incl. Enquiry Service, remote-control function Real-Time Traffic Information, BMW TeleServices, integration of mobile devices integration of mobile devices integration of mobile devices. Information, BMW TeleServices, integration of mobile devices integration of mobile devices. Optional: internet access, BMW Online incl. Park Info, National Info, & Local Search, News, Realtime Weather, BMW Routes, Office function Bluetooth Audio Streaming, Online Update Music Tracks, Apps Safety	BMW Connect	tedDrive		
Local Search, News, Realtime Weather, BMW Routes, Office function Bluetooth Audio Streaming, Online Update Music Tracks, Apps Safety Optional: Adaptive Headlights with cornering lights, variable light district and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Surround Viencluding Side and Top View, BMW Night Vision with pedestrian recognition, Head-Up I collision warning with braking function in conjunction with culculing Side and Top View, BMW Night Vision with pedestrian recognition, Head-Up I collision warning with braking function in conjunction with Active Cruse is with Stop & Go function, Lane Change Warning, Lane Departure Warn Speed Limit Info, Active Protection, Automatic/Advanced Emergency Transmission Type of gearbox Gear ratios I :1 III :1 IV :1 V :1 V :1 VI :1 VI :1 VI :1 VI :1 VI :1 VII :1 Final drive Performance Power-to-weight ratio (DIN) kg/kW Output per litre kW/I Acceleration 0-100 km/h s 0-1000 m s in 4**/Sth gear 80-120 s Top speed km/h BMW EfficientDynamics standard features BMW EfficientDynamics Standard features BMW EfficientDynamics BMW EfficientDynamics Standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight constron-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban //100km		.cubiiic		
and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Surround View including Side and Top View, BMW Night Vision with pedestrian recognition, Head-Up I collision warning with braking function in conjunction with Active Cruise (with Stop & Go function, Lane Change Warning, Lane Pange Warning, Lane P	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
Type of gearbox	Safety			Optional: Adaptive Headlights with cornering lights, variable light distribution and adaptive headlight range control, High Beam Assistant, Park Distance Control, rear-view camera, Surround View including Side View and Top View, BMW Night Vision with pedestrian recognition, Head-Up Display collision warning with braking function in conjunction with Active Cruise Control with Stop & Go function, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Advanced Emergency Call
Gear ratios	Transmission			
Cear ratios	Type of gearbox	(Eight-speed automatic with Steptronic
III	Gear ratios	1	:1	4.714
IV :1 V :1 V :1 V V :1 V V V :1 V V V V V V V V V		II	:1	3.143
V :1 VI :1 VII :1 VIII :1 VIII :1 R :1 Final drive :1 Final drive :1 Performance Power-to-weight ratio (DIN) kg/kW Output per litre kW/l Acceleration 0-100 km/h s 0-1000 m s in 4th/5th gear 80-120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics standard features BMW EfficientDynamics Standard features BMW BluePerformance technology Fuel consumption EU with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km Combined I/100km Coope g/km		III	:1	2.106
VI :1 VII :1 VIII :1 R :1 Final drive :1 Final drive :1 Performance Power-to-weight ratio (DIN) kg/kW Output per litre kW/I Acceleration 0-100 km/h s 0-1000 m s in 4 th /5th gear 80-120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics Standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construction-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km Combined I/100km Combined I/100km CO ₂ g/km		IV	:1	1.667
VII :1 VIII :1 R :1 Final drive :1 Performance		V	:1	1.285
VIII :1 R :1		VI	:1	1.000
R :1 Final drive :1 Performance Power-to-weight ratio (DIN) kg/kW Output per litre kW/l Acceleration 0–100 km/h s 0–1000 m s in 4 th /5th gear 80–120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics standard features BMW EfficientDynamics BMW BluePerformance technology Fuel consumption EU with standard tyres Urban l/100km Extra-urban l/100km COO ₂ g/km		VII	:1	0.839
Performance Power-to-weight ratio (DIN) kg/kW Output per litre kW/l Acceleration 0–100 km/h s 0–1000 m s in 4th/5th gear 80–120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight constron-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban l/100km Extra-urban l/100km Combined l/100km Coop g/km		VIII	:1	0.667
Performance Power-to-weight ratio (DIN) kg/kW Output per litre kW/l Acceleration 0–100 km/h s 0–1000 m s in 4th/5th gear 80–120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construence on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban l/100km Extra-urban l/100km Combined l/100km COO2 g/km		R		3.317
Power-to-weight ratio (DIN) kg/kW Output per litre kW/l Acceleration 0–100 km/h s 0–1000 m s in 4th/5th gear 80–120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics standard features Practical features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construence on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban l/100km Extra-urban l/100km Combined l/100km Cog ₂ g/km	Final drive		:1	2.647
Output per litre kW/l Acceleration 0–100 km/h s 0–1000 m s in 4th/5th gear 80–120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics Standard features Pruel consumption EU with standard tyres Urban l/100km Extra-urban l/100km CO02 g/km	Performance			
Acceleration 0–100 km/h s 0–1000 m s in 4 th /5th gear 80–120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construence on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km CO2 g/km	Power-to-weigh	t ratio (DIN)	kg/kW	7.1
O-1000 m s in 4 th /5th gear 80-120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics Standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construence on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km CO2 g/km	Output per litre		kW/l	93.6
in 4 th /5th gear 80–120 s Top speed km/h BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construence on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban //100km Extra-urban //100km Combined //100km CO2 g/km	Acceleration	0–100 km/h	S	4.9
Top speed km/h		0–1000 m	S	24.1
BMW EfficientDynamics BMW EfficientDynamics Standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construence on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km CO2 g/km	in 4 th /5th gear	80–120	S	-1-
BMW EfficientDynamics standard features Brake Energy Regeneration with recuperation display, Auto Start-Stop function, ECO PRO mode, intelligent lightweight construence on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km CO2 g/km	Top speed		km/h	250
standard features Auto Start-Stop function, ECO PRO mode, intelligent lightweight construction on-demand operation of ancillary units, detachable a/c compressor BMW BluePerformance technology Fuel consumption EU with standard tyres Urban /100km Extra-urban /100km Combined /100km CO2 g/km	BMW Efficient	Dynamics		
with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km CO2 g/km		,		Auto Start-Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, detachable a/c compressor,
with standard tyres Urban I/100km Extra-urban I/100km Combined I/100km CO2 g/km		FU		
Urban I/100km Extra-urban I/100km Combined I/100km CO2 g/km				
Extra-urban I/100km Combined I/100km CO2 g/km		169	1/100km	7.2
Combined I/100km CO2 g/km				6.0
CO ₂ g/km				6.4
9.4.11				169
	Emission rating		y/KIII	EU6
Liniosion rading	Litiosion ratifly			EUC

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)

Height including roof fin: 1488 millimetresOil change