

Specifications BMW 5 Series Touring. 525d xDrive, 530d xDrive, 535d xDrive



		BMW 525d xDrive Touring	BMW 530d xDrive Touring	BMW 535d xDrive Touring
Body				
No of doors/seats		5 / 5	5 / 5	5 / 5
Length/width/height ¹⁾ (unladen)	mm	4907 / 1860 / 1462	4907 / 1860 / 1462	4907 / 1860 / 1462
Wheelbase	mm	2968	2968	2968
Track, front/rear	mm	1600 / 1626	1600 / 1626	1600 / 1626
Ground clearance	mm	141	141	141
Turning circle	m	11.95	11.95	11.95
Tank capacity	app ltr	70	70	70
Cooling system incl heater	ltr	8.0	8.0	8.0
Engine oil ²⁾	ltr	5.2	6.7	6.2
Weight, unladen, to DIN/EU	kg	1820 / 1895	1865 / 1940	1895 / 1970
Max load to DIN	kg	640	640	640
Max permissible	kg	2460	2520	2535
Max axle load, front/rear	kg	1170 / 1410	1160 / 1410	1200 / 1420
Max trailer load (12%), braked/unbraked	kg	2000 / 750	2000 / 750	2000 / 750
Max roofload/max towbar dwl	kg	100 / 90	100 / 90	100 / 90
Luggage comp capacity	ltr	560-1670	560-1670	560-1670
Air resistance	Cd x A	0.32 x 2.35	0.32 x 2.35	0.32 x 2.35
Engine				
Config/No of cyls/valves		Straight-four / 4	Straight-six / 4	Straight-six / 4
Engine technology		BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with piezo injectors (max. injection pressure: 1800 bar)	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)	BMW TwinPower Turbo technology with two turbochargers (Variable Twin Turbo), Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)
Capacity, effective	cc	1995	2993	2993
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel grade		Diesel	Diesel	Diesel
Max output	kW/hp	160 / 218	190 / 258	230 / 313
at	rpm	4400	4000	4400
Max torque	Nm	450	560	630
at	rpm	1500-2500	1500-3000	1500-2500
Electrical System				
Battery/installation	Ah/-	90 / luggage comp	90 / luggage comp	90 / luggage comp
Alternator	A/W	220 / 3080	220 / 3080	220 / 3080
Driving Dynamics and Safety				
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive		
Suspension, rear		Integral-V multi-arm axle, aluminium, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling		
Brakes, front		Single-piston aluminium swing-calliper disc brakes in frame structure		
Diameter	mm	348 x 30 / inner-vented	348 x 30 / inner-vented	348 x 36 / inner-vented
Brakes, rear		Single-piston swing-calliper disc brakes		
Diameter	mm	330 x 20 / inner-vented	330 x 20 / inner-vented	345 x 24 / inner-vented
Driving stability systems		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; optional: Dynamic Damper Control, Adaptive Drive (BMW 530d xDrive, BMW 535d xDrive)		
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 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		Electric Power Steering (EPS) with Servotronic	Hydraulic rack-and-pinion power steering with Servotronic	
Steering transmission, overall	:1	16.0	17.9	17.9
Tyres, front/rear		225/55 R17 97Y	225/55 R17 97Y	225/55 R17 97Y
Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy	8J x 17 light-alloy

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8/2011

Valid from
9/2011

			BMW 525d xDrive Touring	BMW 530d xDrive Touring	BMW 535d xDrive Touring
BMW ConnectedDrive					
Comfort			Opt: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile terminals		
Infotainment			Opt: Internet, BMW Online incl Parkinfo, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office Functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps		
Safety			Optional: Adaptive Headlights with Bending Lights, variable light distribution and adaptive headlight range control, High-Beam Assistant, Park Distance Control, back-up camera, Surround View including Side View and Top View, BMW Night Vision with detection of persons, Head-Up Display, Parking Assistant, collision warning with brake activation function in combination with Active Cruise Control with Stop & Go, Lane Change Warning, Lane Departure Warning, Speed Limit Info, Active Protection, Automatic/Enhanced Emergency Call		
Transmission					
Type of gearbox			Eight-speed automatic with Steptronic		
Gear ratios	I	:1	4.714	4.714	4.714
	II	:1	3.143	3.143	3.143
	III	:1	2.106	2.106	2.106
	IV	:1	1.667	1.667	1.667
	V	:1	1.285	1.285	1.285
	VI	:1	1.000	1.000	1.000
	VII	:1	0.839	0.839	0.839
	VIII	:1	0.667	0.667	0.667
	R	:1	3.295	3.317	3.317
Final drive		:1	3.077	2.471	2.647
Performance					
Power-to-weight ratio		kg/kW	11.4	9.8	8.2
Output per litre		kW	80.2	63.5	76.8
Acceleration	0–100 km/h	sec	7.3	6.2	5.5
	Standing-start	sec	28.2	26.5	25.0
	in 4th gear	80–120 km/h	sec	–	–
Top speed		km/h	228	245	250
BMW EfficientDynamics					
BMW EfficientDynamics, standard features			Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, air flap control (BMW 525d xDrive, BMW 530d xDrive), Electric Power Steering (BMW 525d xDrive), detachable a/c compressor, tyres with reduced roll resistance		
Fuel consumption EU³⁾					
With standard wheels and tyres: 8J x 17 wheels, 225/55 R17 tyres (2K1)					
Urban		ltr/100 km	6.4	6.6	7.1
Extra-urban		ltr/100 km	4.9	5.1	5.3
Combined		ltr/100 km	5.4	5.7	5.9
CO ₂		g/km	143	149	156
With 8J x 18 wheels and 245/45 R18 tyres and with winter tyres (2HM, 2K2, 2DD, 2AK, 2NA, 931)					
Urban		ltr/100 km	6.6	6.8	7.3
Extra-urban		ltr/100 km	5.0	5.2	5.3
Combined		ltr/100 km	5.6	5.8	6.1
CO ₂		g/km	147	153	159
With 8,5J x 19 wheels and 245/40 R19 tyres (2K4, 2WD, 2M3, 2NB)					
Urban		ltr/100 km	6.7	6.9	7.5
Extra-urban		ltr/100 km	5.1	5.4	5.5
Combined		ltr/100 km	5.7	5.9	6.2
CO ₂		g/km	150	156	163
Emission rating			EU5	EU5	EU5

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

¹⁾ Height with roof aerial: 1488 mm

²⁾ Oil change

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