BMW Media Information

8/2011

Valid from 9/2011

Specifications BMW 5 Series Sedan. 528i xDrive, 535i xDrive, 550i xDrive



No of soorsleasts			BMW 528i xDrive	BMW 535i xDrive	BMW 550i xDrive
No. of doorseleasts					
Longsthwidthheight Uniaden mm 4899 / 1860 / 1464 4899 / 1860 / 1464 4899 / 1860 / 1464 4899 / 1860 / 1464 4899 / 1860 / 1465 2968 2968 2968 2968 7.5 cm 2000 2000 / 1627 1600 / 1620 1600 / 1600 1600 / 1600			4.15	4.15	4.15
Wheebbase					
Track, front/feer					
Ground clearance mm 141 141 141 141 Turning picricle m 11.95 11.95 11.95 11.95 Tank capacity app fir 70 70 70 70 Cooling system incl heater ltr 10.1 10.5 11.45 Engine oil** ltr 5.75 6.5 8.5 Weight, unladen, to DINEU kg 1705 / 1780 1765 / 1840 1901 / 1975 Max load to DIN kg 600 600 600 Max load to DIN kg 2305 2380 2500 Max load to DIN kg 1100 / 1290 1170 / 1310 1250 / 1320 Max load to DIN kg 100 / 190 100 / 90 100 / 90 Max k railer load (12%), brain trail kg 100 / 90 100 / 90 100 / 90 Luggage comp capacity thr 520 520 520 520 Engine Cot x x 2 x 235 0.29 x 2.35 0.31 x 235 Engine<					
Turning circle	· · · · · · · · · · · · · · · · · · ·				
Tank capacity					
Cooling system incl heater					
Engine Itr S.75 6.5 8.5					-
Weight, unladen, to DINEU kg 1705 / 1780 1765 / 1840 1900 / 1975 Max load to DIN kg 600 600 600 600 Max permissible kg 2305 2380 2500 Max strailer load (12%), kg 2000 / 750 2000 / 750 2000 / 750 Max rofload max towbar dwnl kg 100 / 90 100 / 90 100 / 90 100 / 90 Luggage comp capacity ltr 520 520 520 520 Ar resistance Cd x A 0.29 x 2.35 0.29 x 2.35 0.31 x 2.35 Engine ConfigNo fryskyalws Straight-four / 4 Straight-six / 4 Wy0 / 81 / 4 Engine technology BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC) BMW TwinPower Turbo with twin turbocharger, direct injection and fully variable valve control (VALVETRONIC) BMW TwinPower Turbo with twin turbocharger, and full wards and turbocharger, direct injection and fully variable valve control (VALVETRONIC) BMW TwinPower Turbo with twin turbocharger, and full wards and full wards turbocharger, and full wards and full wards turbocharger, and fu	Engine oil ²⁾				
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Max permissible kg 2305 2380 2500 Max ake load, front/rear kg 110011290 117011310 125011320 Max trailer load (12%), braked/unbraked kg 2000/750					
Max axide load, front/rear kg 1100 / 1290 1170 / 1310 1250 / 1320 Max trailer load (12%), kg 2000 / 750 2000 / 750 2000 / 750 Max rooffoad/max towlardwal kg 100 / 90 100 / 90 100 / 90 Max rooffoad/max towbar dwnl kg 100 / 90 100 / 90 100 / 90 Air resistance Cd x A 0.29 x 2.35 0.29 x 2.35 0.31 x 2.35 Engine Straight-four / 4 Straight-six / 4 V90 / 8 / 4 Engine technology BMW TwinPower Turbo With Twin-Scroll with Twin-Scroll with Twin-Scroll with Twin-Scroll with Twin-Scroll with Twobarger, direct injection and fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection of fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection of fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection of fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection of fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection and fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection and fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection and fully variable valve control (VALVETRONIC) With Two turbochargers and direct injection and fully variable valve control (VALVETRONIC					
Max trailer load (1296), braked/unbraked kg 2000 / 750 2000 / 750 2000 / 750 braked/unbraked Mg 100 / 90					
Draked/unbraked Max roofload/max towbar dwn kg					
Max roofload/max towber dwn kg	• • • • • • • • • • • • • • • • • • • •	ĸy	20001130	20001130	20001130
Luggage comp capacity		ka	100 / 90	100 / 90	100 / 90
Presistance					
Engine ConfigNo of cylst/valves Straight-four / 4 Straight-six / 4 V90 / 8 / 4 Engine technology BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC) VALVETRONIC					
Config/No of cyls/valves	All Tesistarioe	OU XA	0.20 × 2.00	0.E0 % E.000	0.01 x 2.00
Engine technology BMW TwinPower Turbo with Twin-Scroll turbocharger, direct injection and fully variable valve control (VALVETRONIC) Capacity, effective cc 1997 2979 4395 Stroke / bore mm 90.1/84.0 89.6/84.0 88.3/89.0 Compression ratio :1 10.3 10.2 10.0 Fuel grade at least RON 91 at least R					
with Twin-Scroll turbochargers direct injection and fully variable valve control (VALVETRONIC) (VALV					
turbocharger, direct injection and fully variable valve control (VALVETRONIC) Capacity, effective cc 1997 2979 4395 Stroke / bore mm 90.1/84.0 89.6/84.0 88.3/89.0 Compression ratio :1 10.3 10.2 10.0 Fuel grade at least RON 91 at least	Engine technology				
direct injection and fully variable valve control (VALVETRONIC) Capacity, effective cc 1997 2979 4395 Stroke / bore mm 90.1/84.0 89.6/84.0 88.3/89.0 Compression ratio :1 10.3 10.2 10.0 Fuel grade at least RON 91 at lea					
Variable valve control (VALVETRONIC)					
CALVETRONIC CALVETRONIC CALVETRONIC					r recision injection,
Stroke / Bore mm 90.1 / 84.0 89.6 / 84.0 88.3 / 89.0					
Stroke / bore mm 90.1 / 84.0 89.6 / 84.0 88.3 / 89.0 Compression ratio :1 10.3 10.2 10.0 Fuel grade at least RON 91	Capacity, effective	CC	1997	2979	4395
Compression ratio :1 10.3 10.2 10.0 Fuel grade at least RON 91 at least RON 91 at least RON 91 Max output kW/hp 180 / 245 225 / 306 300 / 407 at rpm 5000-6500 5800 5500-6400 Max torque Nm 350 400 600 at rpm 1250-4800 1200-5000 1750-4500 Electrical System Batterylinstallation Ah/- 90 / luggage comp 90			90.1 / 84.0	89.6 / 84.0	88.3 / 89.0
Fuel grade			10.3	10.2	10.0
Max output kW/hp 180 / 245 225 / 306 300 / 407 at rpm 5000-6500 5800 5500-6400 Max torque Nm 350 400 600 at rpm 1250-4800 1200-5000 1750-4500 Electrical System Batterylinstallation Ah/- 90 / luggage comp 90 / luggage comp 90 / luggage comp 90 / luggage comp Aluggage comp 90 / luggage			at least RON 91	at least RON 91	at least RON 91
at rpm 5000-6500 5800 5500-6400 Max torque Nm 350 400 600 at rpm 1250-4800 1200-5000 1750-4500 Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luggage comp 90 / luggage comp Alternator Aw 170 / 2380 210 / 2940 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 Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 330 x 24 / inner-vented 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 330 x 20 / inner-vented 345 x 24 / 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 555i xDrive, BMW 550i xDrive) Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, bealt airbags for front and rear seats, three-point inertia-reel belts on all seats with belt stoppt, 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 with Servotronic Steering transmission, overall :1 17.1 17.9 17.9 Tyres, front/rear 225/55 R17 97W 225/55 R17 97W 245/45 R18 96Y RSC		kW/hp	180 / 245	225 / 306	300 / 407
Electrical System Battery/installation Ah/- 90 / luggage comp 90 / luguall subjes policall luguall subjes policall luguall subjes policall luguall luguallum luguallum luguallum luguallum luguallum luguallum luguallum luguallum luguallum lu			5000-6500	5800	5500-6400
Electrical System Battery/installation	Max torque	Nm	350	400	600
Battery/installation Ah/- 90 / luggage comp 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 210 / 2940 220 / 3080 Driving Dynamics and Safety Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive 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 Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 330 x 24 / inner-vented 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 330 x 20 / inner-vented 345 x 24 / 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 535 xDrive, BMW 550 xDrive) Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear	at	rpm	1250–4800	1200–5000	1750–4500
Battery/installation Ah/- 90 / luggage comp 90 / luggage comp 90 / luggage comp Alternator AW 170 / 2380 210 / 2940 220 / 3080 Driving Dynamics and Safety Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive 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 Brakes, front Single-piston aluminium swing-calliper disc brakes in frame structure Diameter mm 330 x 24 / inner-vented 348 x 36 / inner-vented 374 x 36 / inner-vented Brakes, rear Single-piston swing-calliper disc brakes Diameter mm 330 x 20 / inner-vented 345 x 24 / 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 535 xDrive, BMW 550 xDrive) Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear					
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Steering transmission, overall :1 17.1 17.9 17.9 Tyres, front/rear 225/55 R17 97W 225/55 R17 97W 245/45 R18 96Y RSC	Steering				
Tyres, front/rear 225/55 R17 97W 225/55 R17 97W 245/45 R18 96Y RSC					otronic
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Rims, front/rear 8J x 17 light-alloy 8J x 17 light-alloy 8J x 18 light-alloy	· · · · · · · · · · · · · · · · · · ·				
	Rims, front/rear		8J x 17 light-alloy	8J x 17 light-alloy	8J x 18 light-alloy

BMW Media

Information 8/2011

Valid from 9/2011

Specifications BMW 5 Series Sedan.

		E	BMW 528i xDrive	BMW 535i xDrive	BMW 550i xDrive			
BMW Conn	ectedDrive							
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		ada back Visi warn	otive headlight range -up camera, Surround on with detection of p ing with brake activat I Stop & Go, Lane Ch	phts with Bending Lights, var control, High-Beam Assistar d View including Side View al ersons, Head-Up Display, Pa ion function in combination v ange Warning, Lane Departu ection, Automatic/Enhanced	nt, Park Distance Control, and Top View, BMW Night arking Assistant, collision with Active Cruise Contro are Warning, Speed Limit			
Transmissi	on							
Type of gear			Fight.	-speed automatic with Stepti	ronic			
Gear ratios	I	:1	4.714	4.714	4.714			
Gedi Talios	<u> </u>	:1	3.143	3.143	3.143			
		:1	2.106	2.106	2.106			
	IV	:1	1.667	1.667	1.667			
	V		1.285	1.285	1.285			
	V VI	:1	1.000	1.000	1.000			
		:1	0.839	0.839	0.839			
	VII	:1		0.839				
	VIII	:1	0.667		0.667			
	R	:1	3.295	3.295	3.317			
Final drive		:1	3.231	3.077	2.077			
Performan	се							
Power-to-we		kg/kW	9.5	7.8	6.3			
Output per li	tre	kW	90.1	75.5	68.3			
Acceleration	0–100 km/h	sec	6.5	5.8	4.8			
	Standing-start	sec	26.6	25.6	23.3			
in 4th gear	80-120 km/h	sec	-	_	-			
Top speed		km/h	250	250	250			
BMW Effici	entDynamics							
BMW Efficie standard fea	ntDynamics,	(B BN	MW 528i xDrive, BMN IW 535i xDrive), intelli ancillary units, Electri (BMW 528i xDrive (BMW 528i xDrive,	on with recuperation display, W 535i xDrive), ECO PRO mo gent lightweight construction & Power Steering (BMW 528 a, BMW 535i xDrive), map-cc BMW 535i xDrive), detachat es with reduced roll resistance	ode (BMW 528i xDrive, n, on-demand operation ii xDrive), air flap control ontrolled oil pump ole a/c compressor,			
With standar	mption EU ³⁾ To wheels and tyre Drive, BMW 535i		wheels, 225/55 R17 t	vres (2K1)				
BMW 550i x	Drive: 8J x 18 whe	eels and 245/45	R18 tyres (2K2)					
Urban		ltr/100 km	9.2	10.8	16.4			
Extra-urban		ltr/100 km	5.7	6.3	7.9			
Combined		ltr/100 km	7.0	8.0	11.0			
CO ₂		g/km	162	185	256			
With 8J x 18	wheels and 245/4	45 R18 tyres and	d with winter tyres (2)	IM, 2K2, 931)				
Urban		ltr/100 km	9.4	11.0	-			
Extra-urban		ltr/100 km	5.8	6.4	-			
Combined		ltr/100 km	7.1	Ω 1				

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

With 8.5J x 20 wheels at front, 9J x 20 at rear and 245/35 R20 tyres at front, 275/30 R20 at rear (2H9)

7.1

166

9.4

5.9

7.2

168

EU5

With 8J x 18 wheels at front, 9J x 18 at rear and 245/45 R18 tyres at front, 275/40 R18 at rear (2AH, 2DC, 2NC), With 8.5J x 19 wheels at front, 9J x 19 at rear and 245/40 R19 tyres at front, 275/35 R19 at rear (2K3, 2WC, 2MZ, 2ND),

8.1

188

11.0

6.5

8.2

190

EU5

16.4

7.9

11.0

257

EU5

Extra-urban Combined

CO₂

Urban

Extra-urban

Combined CO₂

Emission rating

Itr/100 km

Itr/100 km

ltr/100 km

Itr/100 km

g/km

g/km

 $^{^{1)}}$ Height with roof aerial: 1475 mm $^{2)}$ Oil change $^{3)}$ Fuel consumption and CO_2 emissions depend on the selected tyre format