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Specifications. The BMW 5 Series Sedan. 530i, 530i xDrive.



		BMW 530i Sedan	BMW 530i xDrive Sedan
Body			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4936/1868/1479	4936/1868/1479
Wheelbase	mm	2975	2975
Track, front/rear		1605/1630	1605/1630
Ground clearance	mm	144	139
	mm		
Turning circle	m	12.05	12.22
Fuel tank capacity	approx. Itr	68	68
Engine oil ¹⁾	ltr	5.25	5.25
Weight, unladen, to DIN/EU	kg	1540/1615	1595/1670
Max load to DIN	kg	660	675
Max permissible weight	kg	2200	2270
Max axle load, front/rear	kg	1045/1250	1100/1265
Max trailer load, Braked (12%)/unbraked	kg	2000/750	2000/750
Max roofload/max towbar download	kg	100/90	100/90
Luggage comp capacity	ltr	530	530
Air resistance	C _d x A	0.24 x 2.35	0.25 x 2.35
Air resistance	C _d X A	0.24 x 2.35	0.25 X 2.35
Power Unit			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology: TwinScr Direct Injection, VALVETRONIC fully variable variable camshaft ti	valve control, Double-VANOS
Effective capacity	CC	1998	1998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	10.2	10.2
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	185/252	185/252
at		5200-6500	5200-6500
Max torque	rpm Nm/lb-ft	350/258	350/258
at	rpm	1450–4800	1450–4800
-			
Electrical System	Ah/-	00/Luggaga campartment	00/Luggaga aampartmant
Battery/installation	An/-	90/Luggage compartment	90/Luggage compartment
Alternator	AVVV	n.b.	n.b.
Driving Dynamics and Safe	ety		
Suspension, front		Aluminium double track control arm axle with se	parate lower track arm level, small
		steering roll radius, traverse force co	mpensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightw	eight construction
Brakes, front		Four-piston fixed-calliper disc	brakes / vented
Brakes, rear		Single-piston floating-calliper dis	sc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic T	
9 , ,		Brake Control), networked with xDrive all-wh	
		Chassis Management (530i xDrive), DBC (Dyna	amic Brake Control), Dry Braking
		function, Fading Compensation, S	Start-Off Assistant.
		Optional: Dynamic Damper Control, Dri	ve Performance Control
Safety equipment		Standard: airbags for driver and front passenger bassenger, head airbags for front and rear seats	
		on all seats with belt latch tensioner and belt for	ce limiter at the front seats, crash
		sensors, tyre defect in	
Steering		Electric Power Steerin	O ()
		Optional: Integral Active	Steering
Steering ratio, overall	:1	16.3	16.3
Steering ratio, overall Tyres, front/rear Rims, front/rear	:1		

			BMW 530i Sedan	BMW 530i xDrive Sedan
Transmission				
Type of transmis	ssion		8-speed Steptronic	8-speed Steptronic
Gear ratios	I	:1	5.000	5.000
	II	:1	3.200	3.200
	III	:1	2.143	2.143
	IV	:1	1.720	1.720
	V	:1	1.314	1.314
	VI	:1	1.000	1.000
	VII	:1	0.822	0.822
	VIII	:1	0.640	0.640
	R	:1	3.456	3.456
Final drive		:1	2.929	2.929
Performance				
Power-to-weigh	nt ratio	kg/kW	8.3	8.6
Output per litre		kW/ltr	92.6	92.6
Acceleration	0-100 km/h	sec	6.2	6.0
In 5th gear	80-120 km/h	sec		
Top speed		km/h	250	250
BMW Efficient	tDynamics			
BMW EfficientD	ynamics		Brake Energy Regeneration, electrom	nechanical power steering,
standard feature	es		Automatic Start/Stop function, ECO PRO mo	ode, coasting function, intelligent
			lightweight construction, optimised aerody	,
			operation of ancillary units, map-regulated oil	
			warm-up behaviour, tyres with red	uced rolling resistance
Fuel Consump	otion ECE ²⁾			
Urban	ltr	/100 km	7.3–6.9	7.8–7.4
Extra-urban	ltr	/100 km	5.2–4.7	5.6–5.2
Combined	ltr	/100 km	5.9–5.5	6.4–6.0
CO ₂		g/km	136–126	147–137
Emission rating			EU6	EU6

 $Specifications\ apply\ to\ ACEA\ markets/data\ relevant\ to\ homologation\ applies\ in\ part\ only\ to\ Germany\ (weight)$

 $^{^{1)}}$ Oil change $^{2)}$ Fuel consumption and CO_2 emissions depend on the selected tyre format

The BMW 5 Series Sedan. 540i, 540i xDrive.

		BMW 540i Sedan	BMW 540i xDrive Sedan
Body			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4936/1868/1479	4936/1868/1479
Wheelbase	mm	2975	2975
Track, front/rear	mm	1605/1630	1605/1630
Ground clearance	mm	144	139
Turning circle	m	12.05	12.22
Fuel tank capacity		68	68
ruei tarik capacity	approx. Itr	00	00
Engine oil ¹⁾	ltr	6.5	6.5
Weight, unladen, to DIN/EU	kg	1595/1670	1660/1735
Max load to DIN	kg	675	675
Max permissible weight	kg	2270	2340
Max axle load, front/rear	kg	1110/1260	1160/1270
Max trailer load,		2000/750	2000/750
Braked (12%)/unbraked	kg		
Max roofload/max towbar download	kg	100/90	100/90
Luggage comp capacity	ltr	530	530
Air resistance	c _d x A	0.25 x 2.35	0.25 x 2.35
Power Unit			
Config/No of cyls/valves		In-line/6/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technology: TwinScroll Direct Injection, VALVETRONIC fully variable va	live control, Double-VANOS
		variable camshaft timi	
Effective capacity	CC	2998	2998
Stroke/bore	mm	94.6/82.0	94.6/82.0
Compression ratio	:1	11.0	11.0
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	250/340	250/340
at	rpm	5500–6500	5500–6500
Max torque	Nm/lb-ft	450/332	450/332
at	rpm	1380–5200	1380–5200
Electrical System			
Battery/installation	Ah/-	105/Luggage compartment	105/Luggage compartment
Alternator	A/W	n.b.	n.b.
Driving Dynamics and Safe	ty		
Suspension, front	A	Aluminium double track control arm axle with sepa	rate lower track arm level, small
		steering roll radius, traverse force comp	pensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweig	ght construction
Brakes, front		Four-piston fixed-calliper disc bra	akes / vented
Brakes, rear		Single-piston floating-calliper disc	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Trac	tion Control), CBC (Cornering
		Brake Control), networked with xDrive all-whee	
		Chassis Management (540i xDrive), DBC (Dynam	ic Brake Control), Dry Braking
		function, Fading Compensation, Sta	art-Off Assistant.
		Optional: Dynamic Damper Control, Drive	Performance Control
Safety equipment		Standard: airbags for driver and front passenger, s passenger, head airbags for front and rear seats, th	•
		on all seats with belt latch tensioner and belt force sensors, tyre defect indi	limiter at the front seats, crash
Steering		Electric Power Steering (
oteening		Optional: Integral Active S	
Steering ratio, overall	:1	Optional, integral Active 3	16.3
Tyres, front/rear		225/55 R17 97Y	225/55 R17 97Y
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy
rums, nonureal		7.50 X 17 HIGHL AHOY	7.55 X 17 light alloy

			BMW 540i Sedan	BMW 540i xDrive Sedan
Transmission				
Type of transmis	ssion		8-speed Steptronic	8-speed Steptronic
Gear ratios	l	:1	5,000	5.000
		:1	3,200	3.200
	III	:1	2.143	2.143
	IV	:1	1.720	1.720
	V	:1	1.314	1.314
	VI	:1	1.000	1.000
	VII	:1	0.822	0.822
	VIII	:1	0.640	0.640
	R	:1	3.456	3.456
Final drive		:1	2.929	2.929
Performance				
Power-to-weigh	nt ratio	kg/kW	6.4	6.6
Output per litre		kW/ltr	83.4	83.4
Acceleration	0-100 km/h	sec	5.1	4.8
In 5th gear	80-120 km/h	sec		
Top speed		km/h	250	250
BMW Efficient	tDynamics			
BMW EfficientD			Brake Energy Regeneration, electror	mechanical power steering,
standard feature	es		Automatic Start/Stop function, ECO PRO m	node, coasting function, intelligent
			lightweight construction, optimised aero-	
			operation of ancillary units, map-regulated o	
			warm-up behaviour, tyres with re-	duced rolling resistance
Fuel Consump	otion ECE ²⁾			
Urban		r/100 km	9.2–8.9	9.6–9.3
Extra-urban	li l	r/100 km	5.6–5.2	6.1–5.7
Combined	Į†	r/100 km	6.9–6.5	7.4–6.9
CO ₂		g/km	159–149	169–159
Emission rating			EU6	EU6

 $Specifications\ apply\ to\ ACEA\ markets/data\ relevant\ to\ homologation\ applies\ in\ part\ only\ to\ Germany\ (weight)$

 $^{^{1)}}$ Oil change $^{2)}$ Fuel consumption and CO_2 emissions depend on the selected tyre format

The BMW 5 Series Sedan. 520d, 520d xDrive.

		BMW 520d Sedan	BMW 520d xDrive Sedan
Body			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4936/1868/1479	4936/1868/1479
Wheelbase	mm	2975	2975
Track, front/rear	mm	1605/1630	1605/1630
Ground clearance	mm	144	139
Turning circle	m	12.05	12.22
Fuel tank capacity	approx.	66	66
	ltr		
Engine oil ¹⁾	ltr	5.0	5.0
Weight, unladen, to DIN/EU	kg	1540/1615	1620/1695
		(1560/1635)	
Max load to DIN	kg	685	705
Max permissible weight	kg	2230 (2245)	2325
Max axle load, front/rear	kg	1045/1280 (1055/1280)	1100/1310
Max trailer load,	kg	1800 (2000)/750	2000/750
Braked (12%)/unbraked			
Max roofload/max towbar	kg	100/90	100/90
download			
Luggage comp capacity	ltr	530	530
Air resistance	c _d x A	0.24 x 2.35	0.24 x 2.35
Power Unit			
Config/No of cyls/valves		In-line/4/4	In-line/4/4
Engine technology		BMW TwinPower Turbo technology:	
g		common-rail direct inj	
Effective capacity	СС	1995	1995
Stroke/bore	mm	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5
Fuel		Diesel	Diesel
Max output	kW/hp	140/190	140/190
at	rpm	4000	4000
Max torque	Nm/lb-ft	400/295	400/295
at	rpm	1750–2500	1750–2500
Electrical System			
Battery/installation	Ah/–	90/Luggage compartment	90/Luggage compartment
Alternator	A/W	n.b.	n.b.
Driving Dynamics and Safe			
Suspension, front	Alun	ninium double track control arm axle with sep	•
		steering roll radius, traverse force cor	
Suspension, rear		Five-link axle in aluminium lightwe	<u> </u>
Brakes, front		Four-piston fixed-calliper disc b	
Brakes, rear		Single-piston floating-calliper dis	
Driving stability systems		ndard: DSC incl. ABS and DTC (Dynamic Tr	
		Brake Control), networked with xDrive all-whe	
	Cha	assis Management (520d xDrive), DBC (Dyna	
		function, Fading Compensation, S	
		Optional: Dynamic Damper Control, Driv	
Safety equipment		ndard: airbags for driver and front passenger, senger, head airbags for front and rear seats,	
		all seats with belt latch tensioner and belt force	e limiter at the front seats, crash
		sensors, tyre defect inc	
Steering		Electric Power Steering	
<u> </u>		Optional: Integral Active	
Steering ratio, overall	:1	16.3	16.3
Tyres, front/rear		225/55 R17 97Y	225/55 R17 97Y
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy

Transmission			
i i ali silii ssioii			
Type of transmission		6-speed manual	8-speed Steptronic
Type of danomicolom		(Optional: 8-speed Steptronic)	o speed stopherno
Gear ratios	l :1	4.110 (5.000)	5.000
	II :1	2.248 (3.200)	3.200
	III :1	1.403 (2.143)	2.143
	IV :1	1.000 (1.720)	1.720
	V :1	0.802 (1.314)	1.314
	VI :1	0.659 (1.000)	1.000
	VII :1	(0.822)	0.822
	VIII :1	(0.640)	0.640
	R :1	3.727 (3.456)	3.456
Final drive	:1	3.231 (2.929)	2.929
Performance			
Power-to-weight ratio	kg/kW	11.0 (11.1)	11.6
Output per litre	kW/ltr	70.2	70.2
Acceleration 0-100 k	m/h sec	7.7 (7.5)	7.6
In 5th gear 80–120	km/h sec	8.4 ()	
Top speed	km/h	238 (235)	232
BMW EfficientDynamic	:s		
BMW EfficientDynamics		Brake Energy Regeneration, electror	nechanical power steering,
standard features		Automatic Start/Stop function, Optimum	Shift Indicator (manual gearbox),
		ECO PRO mode, coasting function (aut	,, , , , , , ,
		construction, optimised aerodynamic attr	
		ancillary units, map-regulated oil pump, dif	
		behaviour, tyres with reduce	d rolling resistance
Fuel Consumption ECE	E ²⁾		
Urban	ltr/100 km	5.2-4.9 (5.0-4.7)	5.4–5.1
Extra-urban	ltr/100 km	4.1–3.7 (5.1–3.8)	4.6-4.2
Combined	ltr/100 km	4.5–4.2 (4.5–4.1)	4.9–4.5
CO ₂	g/km	119–109 (118–108)	129–119
Emission rating		EU6	EU6

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight) Figures in brackets apply to models with automatic transmission

 $^{^{1)}}$ Oil change $^{2)}$ Fuel consumption and CO_2 emissions depend on the selected tyre format

The BMW 5 Series Sedan. 530d, 530d xDrive.

		BMW 530d Sedan	BMW 530d xDrive Sedan
Body			
No of doors/seats		4/5	4/5
Length/width/height (unladen)	mm	4936/1868/1479	4936/1868/1479
Wheelbase	mm	2975	2975
Track, front/rear	mm	1605/1630	1605/1630
Ground clearance	mm	144	139
Turning circle	m	12.05	12.22
Fuel tank capacity	approx. Itr	66	66
Engine oil ¹⁾	ltr	6.5	6.5
Weight, unladen, to DIN/EU	kg	1640/1715	1695/1770
Max load to DIN	kg	705	690
Max permissible weight	kg	2345	2385
Max axle load, front/rear	kg	1125/1310	1175/1310
Max trailer load, Braked (12%)/unbraked	kg	2000/750	2000/750
Max roofload/max towbar download	kg	100/90	100/90
Luggage comp capacity	ltr	530	530
Air resistance	c _d x A	0.24 x 2.35	0.25 x 2.35
Power Unit			
Config/No of cyls/valves		In-line/6/4	In-line/6/4
Engine technology		BMW TwinPower Turbo technol common-rail direc	ogy: variable-geometry turbocharger,
Effective capacity	CC	2993	2993
Stroke/bore	mm	90.0/84.0	90.0/84.0
Compression ratio	:1	16.5	16.5
Fuel		Diesel	Diesel
Max output	kW/hp	195/265	195/265
at	rpm	4000	4000
Max torque	Nm/lb-ft	620/457	620/457
at	rpm	2000–2500	2000–2500
Electrical System			
Battery/installation	Ah/–	105/Luggage compartment	105/Luggage compartment
Alternator	A/W	n.b.	n.b.
Driving Dynamics and Safe			
Suspension, front	А	luminium double track control arm axle with steering roll radius, traverse force	•
Suspension, rear		Five-link axle in aluminium lig	htweight construction
Brakes, front		Four-piston fixed-calliper of	disc brakes / vented
Brakes, rear	Single-piston floating-calliper disc brakes / vented		
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), networked with xDrive all-wheel-drive system in Integrated		
	(Chassis Management (530d xDrive), DBC (I	Dynamic Brake Control), Dry Braking
		function, Fading Compensation Optional: Dynamic Damper Control	, Drive Performance Control
Safety equipment		Standard: airbags for driver and front passer assenger, head airbags for front and rear se	• •
		n all seats with belt latch tensioner and belt	force limiter at the front seats, crash
Chardina		sensors, tyre defe	
Steering		Electric Power Ste	3 · ,
Ctooring ratio averall	.1	Optional: Integral Ac	
Steering ratio, overall Tyres, front/rear	:1	16.3 225/55 R17 97Y	16.3 225/55 R17 97Y
Rims, front/rear		7.5J x 17 light alloy	7.5J x 17 light alloy

			BMW 530d Sedan	BMW 530d xDrive Sedan
Transmission				
Type of transmis	ssion		8-speed Steptronic	8-speed Steptronic
Gear ratios	1	:1	5,000	5.000
	ll l	:1	3,200	3,200
	III	:1	2.143	2.143
	IV	:1	1.720	1.720
	V	:1	1.313	1.313
	VI	:1	1.000	1.000
	VII	:1	0.823	0.823
	VIII	:1	0.640	0.640
	R	:1	3.478	3.478
Final drive		:1	2.471	2.471
Performance				
Power-to-weight	t ratio	kg/kW	8.4	8.7
Output per litre		kW/ltr	65.2	65.2
Acceleration	0-100 km/h	sec	5.7	5.4
In 5th gear	80-120 km/h	sec		
Top speed		km/h	250	250
BMW Efficient	Dynamics			
BMW EfficientD	ynamics		Brake Energy Regeneration, electron	nechanical power steering,
standard feature	s s		Automatic Start/Stop function, ECO PRO m	
			lightweight construction, optimised aeroc	lynamic attributes, on-demand
			operation of ancillary units, map-regulated oi	I pump, differential with optimised
			warm-up behaviour, tyres with rec	duced rolling resistance
Fuel Consump	otion ECE ²⁾			
Urban	ltı	r/100 km	5.6–5.3	6.2–5.8
Extra-urban	ltı	r/100 km	4.4–4.1	4.9–4.6
Combined	ltı	r/100 km	4.9–4.5	5.4–5.0
CO ₂		g/km	128–118	142–132
Emission rating			EU6	EU6

 $Specifications\ apply\ to\ ACEA\ markets/data\ relevant\ to\ homologation\ applies\ in\ part\ only\ to\ Germany\ (weight)$

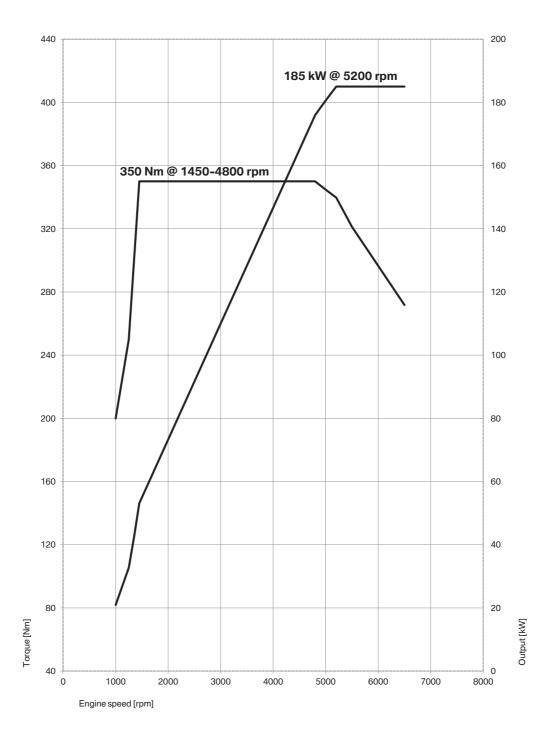
 $^{^{1)}}$ Oil change $^{2)}$ Fuel consumption and CO_2 emissions depend on the selected tyre format

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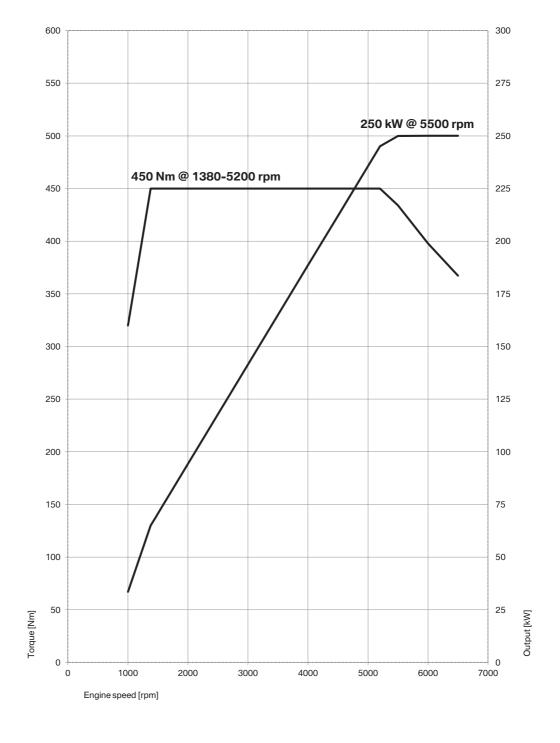
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Output and torque diagrams. The BMW 5 Series Sedan. 530i, 530i xDrive.

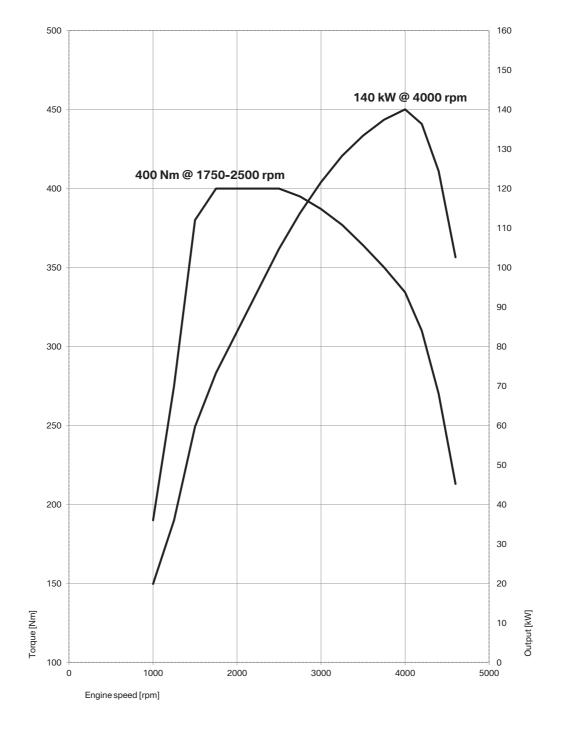




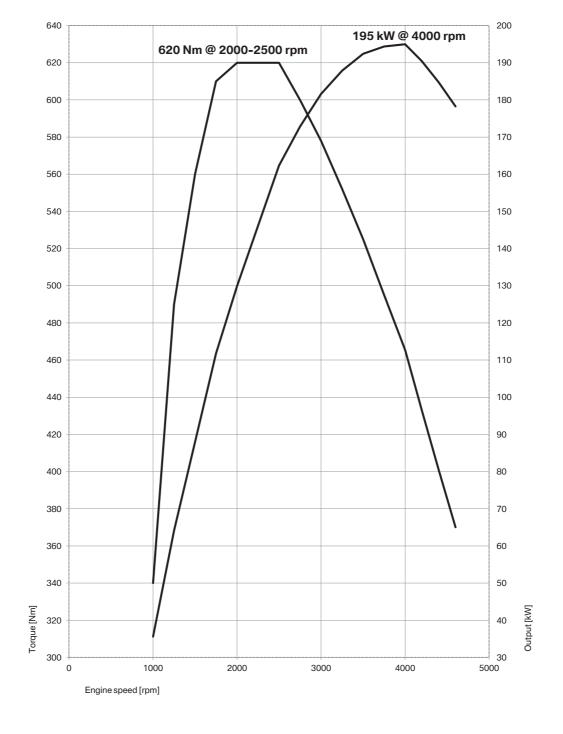
The BMW 5 Series Sedan. 540i, 540i xDrive.



The BMW 5 Series Sedan. 520d, 520d xDrive.



The BMW 5 Series Sedan. 530d, 530d xDrive.



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Exterior and interior dimensions. The BMW 5 Series Sedan.



