BMW Media Information

09/2018 Page 1

Specifications. BMW 5 Series Sedan. 520i.



		BMW 520i Sedan	
Dodu			
Body No. of doors/seats		4/5	
	mm	4936 / 1868 / 1479	
Length/width/height 1) (unladen)	mm		
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	144	
Turning circle	m	12.05	
Tank capacity	approx. Itr	68	
Engine oil 2)	ltr	5.25	
Weight, unladen, to DIN/EU	kg	1540 / 1615	
Max. load to DIN	kg	670	
Max. permissible weight	kg	2210	
Max. axle load, front/rear	kg	1045 / 1250	
Max. trailer load,	kg		
braked (12%)/unbraked		2000 / 750	
Max. roof load/towbar download	kg	100 / 90	
Luggage comp. capacity	ltr	530	
Air resistance	c _d x A	0.24 x 2.35	
Engine			
Config./No. of cyls./valves		in-line / 4 / 4	
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger,	
Engine teermology		High Precision Injection, VALVETRONIC fully variable valve timing,	
		Double-VANOS variable camshaft timing	
Effective capacity	cm ³	1998	
Stroke/bore	mm	94.6 / 82.0	
Compression ratio	:1	10.2	
Fuel		min RON 91	
Output	kW/hp	135 / 184	
at		5000 – 6500	
	rpm Nm	290	
Torque		1350 – 4250	
at	rpm	1330 – 4230	
Electrical System			
Battery/Installation	Ah/-	90 / luggage comp.	
Driving Dynamics and Safety			
Suspension, front	Al	uminium double track control arm axle with separate lower track arm level	
		small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear	F	ive-link axle in aluminium lightweight construction, double elastic bearing	
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying	
	function, fading compensation, start-off assistant; optional: Adaptive		
		Suspension, Adaptive Drive	
Safety equipment	S	tandard: airbags for driver and front passenger, side airbags for driver and	
	f	ront passenger, head airbags for front and rear seats, three-point inertia-	
	r	eel seatbelts on all seats with belt latch tensioner and belt force limiter at	
		the front seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
3		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	
Tyres, front/rear		225/55 R17 97Y	
Rims, front/rear		7.5J x 17 light-alloy	
· ·····o, ironaroui		7.00 X 17 light alloy	

		BMW 520i Sedan	
Type of gearbox		8-speed Steptronic	
I	:1	5.250	
II	:1	3.360	
III	:1	2.172	
IV	:1	1.720	
V	:1	1.316	
VI	:1	1.000	
VII	:1	0.822	
VIII	:1	0.640	
R	:1	3.712	
	:1	2.813	
o (DIN)	kg/kW	11.4	
	kW/l	67.6	
00 km/h	S	7.8	
	km/h	235	
amics			
nics	E	Brake Energy Regeneration with recuperation display, EPS (Electric Power	
	Steering), Auto Start Stop function, Optimum Shift Indicator,		
		ECO PRO mode with coasting function and Proactive Driving Assistant,	
	Е	BMW EfficientLightweight, optimised aerodynamic attributes, active air flap	
		control, on-demand operation of ancillary units, map-controlled oil pump,	
		differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	
	III IV V VI VII	:1	

7.0 – 6.9

5.4 – 5.1

6.0 – 5.8 137 – 132

EU6d-TEMP

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

ltr/100 km

ltr/100 km

Itr/100 km

g/km

Fuel consumption EU cycle

Emission rating

Urban

Extra-urban

Combined CO₂

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 530i.

09/2018	3
Page 3	

		BMW 530i Sedan	
D. J.			
Body No. of deers/sects		4 / E	
No. of doors/seats		4/5	
Length/width/height 1) (unladen)	mm	4936 / 1868 / 1479	
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	144 12.05	
Turning circle	m		
Tank capacity Engine oil 2)	approx. ltr	68	
	ltr	5.25	
Weight, unladen, to DIN/EU Max. load to DIN	kg	1540 / 1615	
	kg	680	
Max. permissible weight	kg	2220	
Max. axle load, front/rear	kg	1065 / 1255	
Max. trailer load,	kg	2000 1752	
braked (12%)/unbraked		2000 / 750	
Max. roof load/towbar download	kg 	100 / 90	
Luggage comp. capacity	ltr	530	
<u>Air resistance</u>	c _d x A	0.24 x 2.35	
Engine			
Config./No. of cyls./valves		in-line / 4 / 4	
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger,	
		High Precision Injection, VALVETRONIC fully variable valve timing,	
		Double-VANOS variable camshaft timing	
Effective capacity	cm ³	1998	
Stroke/bore	mm	94.6 / 82.0	
Compression ratio	:1	10.2	
Fuel		min RON 91	
Output	kW/hp	185 / 252	
at	rpm	5200 – 6500	
Torque	Nm	350	
at	rpm	1450 – 4800	
Electrical System			
Battery/Installation	Ah/-	90 / luggage comp.	
Driving Dynamics and Safety			
Suspension, front	ΛΙ	uminium double track control arm axle with separate lower track arm level,	
Gusperision, none	74	small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear	F	Five-link axle in aluminium lightweight construction, double elastic bearing	
Brakes, front		Four-piston fixed-calliper disc brakes / vented	
Brakes, rear		Single-piston floating-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),	
Driving stability systems	(CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying	
	function, fading compensation, start-off assistant; optional: Adaptive		
		Suspension, Adaptive Drive	
Safety equipment	9	tandard: airbags for driver and front passenger, side airbags for driver and	
Salety equipment		ront 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 seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	
Tyres, front/rear		225/55 R17 97Y	
Rims, front/rear		7.5J x 17 light-alloy	

			BMW 530i Sedan	
Transmission	n			
Type of gearbo	OX .		8-speed Steptronic	
Gear ratios	I	:1	5.250	
	II	:1	3.360	
	III	:1	2.172	
	IV	:1	1.720	
	V	:1	1.316	
	VI	:1	1.000	
	VII	:1	0.822	
	VIII	:1	0.640	
	R	:1	3.712	
Final drive		:1	2.813	
Performance	!			
Power-to-weig	ht ratio (DIN)	kg/kW	8.3	
Output per litre	9	kW/l	92.6	
Acceleration	0–100 km/h	S	6.1	
Top speed		km/h	250	
BMW Efficier	ntDynamics			
BMW Efficient	Dynamics	Brak	e Energy Regeneration with recuperation display, EPS (Electric Power	
standard featur	res	Steering), Auto Start Stop function, Optimum Shift Indicator,		
		EC	O PRO mode with coasting function and Proactive Driving Assistant,	
		BMV	V EfficientLightweight, optimised aerodynamic attributes, active air flap	
		con	trol, on-demand operation of ancillary units, map-controlled oil pump,	
		diffe	erential with optimized-warm-up behaviour, tyres with reduced rolling	
			resistance	
Fuel consum	ption EU cycle			
Urban		ltr/100 km	7.4 – 7.2	
		11. 14.00.0		

5.3 – 5.0

6.1 – 5.8 139 – 132

EU6d-TEMP

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

ltr/100 km

ltr/100 km

g/km

Emission rating

Extra-urban

Combined CO₂

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 530i xDrive.

09/2018 Page 5

		BMW 530i xDrive Sedan	
D. d.			
Body No. of doors/seats		4/5	
	mm	4936 / 1868 / 1479	
Length/width/height 1) (unladen)	mm		
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	139	
Turning circle	m	12.22	
Tank capacity	approx. Itr	68	
Engine oil 2)	ltr	5.25	
Weight, unladen, to DIN/EU	kg	1605 / 1680	
Max. load to DIN	kg	675	
Max. permissible weight	kg	2280	
Max. axle load, front/rear	kg	1110 / 1265	
Max. trailer load,	kg		
braked (12%)/unbraked		2000 / 750	
Max. roof load/towbar download	kg	100 / 90	
Luggage comp. capacity	ltr	530	
Air resistance	c _d x A	0.25 x 2.35	
Engine			
Config./No. of cyls./valves		in-line / 4 / 4	
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger,	
Engine teermology		High Precision Injection, VALVETRONIC fully variable valve timing,	
		Double-VANOS variable camshaft timing	
Effective capacity	cm ³	1998	
Stroke/bore	mm	94.6 / 82.0	
Compression ratio	:1	10.2	
Fuel	.1	min RON 91	
Output	kW/hp	185 / 252	
		5200 – 6500	
at	rpm		
Torque	Nm	350	
at	rpm	1450 – 4800	
Electrical System			
Battery/Installation	Ah/–	90 / luggage comp.	
Driving Dynamics and Safety			
Suspension, front	Al	uminium double track control arm axle with separate lower track arm level	
		small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear	F	ive-link axle in aluminium lightweight construction, double elastic bearing	
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying		
	function, fading compensation, start-off assistant, networked with xDrive all		
		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive	
Safety equipment	S	tandard: airbags for driver and front passenger, side airbags for driver and	
,	f	ront 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 seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
3		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	
Tyres, front/rear	• • • • • • • • • • • • • • • • • • • •	225/55 R17 97Y	
Rims, front/rear		7.5J x 17 light-alloy	
Tarrio, Horioroai		7.00 A 17 HgHt-alloy	

			BMW 530i xDrive Sedan
Transmissio	n		
Type of gearbo			8-speed Steptronic
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
Performance	<u> </u>		
Power-to-weig	ht ratio (DIN)	kg/kW	8.7
Output per litre	9	kW/l	92.6
Acceleration	0–100 km/h	S	6.0
Top speed		km/h	250
BMW Efficie	ntDynamics		
BMW Efficient	Dynamics	Brake Energ	gy Regeneration with recuperation display, EPS (Electric Pow
		C+	wine) Ante Chart Chart frontier Continue Chift hadinates

standard features

Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance

Fuel consumption EU	J cycle		
Urban	ltr/100 km	7.9 – 7.8	
Extra-urban	ltr/100 km	5.6 – 5.3	
Combined	ltr/100 km	6.5 – 6.2	
CO ₂	g/km	147 – 142	
Emission rating		EU6d-TEMP	

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 540i.

09/2018 Page 7

		BMW 540i Sedan	
Dodu			
Body No. of doors/seats		4/5	
	mm	4936 / 1868 / 1479	
Length/width/height 1) (unladen)	mm		
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	144	
Turning circle	m	12.05	
Tank capacity	approx. Itr	68	
Engine oil 2)	ltr	6.5	
Weight, unladen, to DIN/EU	kg	1595 / 1670	
Max. load to DIN	kg	675	
Max. permissible weight	kg	2270	
Max. axle load, front/rear	kg	1110 / 1260	
Max. trailer load,	kg		
braked (12%)/unbraked		2000 / 750	
Max. roof load/towbar download	kg	100 / 90	
Luggage comp. capacity	ltr	530	
Air resistance	c _d x A	0.25 x 2.35	
Engine			
Config./No. of cyls./valves		in-line / 6 / 4	
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger,	
Engine teermology		High Precision Injection, VALVETRONIC fully variable valve timing,	
		Double-VANOS variable camshaft timing	
Effective capacity	cm ³	2998	
Stroke/bore	mm	94.6 / 82.0	
Compression ratio	:1	11.0	
Fuel		min RON 91	
Output	kW/hp	250 / 340	
at		5500 – 6500	
	rpm Nm	450	
Torque		1380 – 5200	
at	rpm	1300 – 3200	
Electrical System			
Battery/Installation	Ah/–	90 / luggage comp.	
Driving Dynamics and Safety			
Suspension, front	Al	uminium double track control arm axle with separate lower track arm level	
		small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear	F	ive-link axle in aluminium lightweight construction, double elastic bearing	
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying	
	function, fading compensation, start-off assistant; optional: Adaptive		
		Suspension, Adaptive Drive	
Safety equipment	S	tandard: airbags for driver and front passenger, side airbags for driver and	
	f	ront 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 seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
-		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	
Tyres, front/rear		225/55 R17 97Y	
Rims, front/rear		7.5J x 17 light-alloy	

			BMW 540i Sedan
Transmission	<u> </u>		
Type of gearbo	•		8-speed Steptronic
Gear ratios		:1	5,000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.314
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.456
Final drive		:1	2.929
Performance			
Power-to-weig		kg/kW	6.4
Output per litre		kW/l	83.4
Acceleration	0–100 km/h	S	5.1
Top speed		km/h	250
BMW Efficien	ntDvnamics		
BMW Efficientl standard featur		ECO BMW I contro	Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, PRO mode with coasting function and Proactive Driving Assistant, EfficientLightweight, optimised aerodynamic attributes, active air flapol, on-demand operation of ancillary units, map-controlled oil pump, ential with optimized-warm-up behaviour, tyres with reduced rolling resistance
Fuel consum	ption EU cycle		
Urban	p = 0 0 3 0 1 0	Itr/100 km	9.7 – 9.3

6.0 – 5.8

7.4 – 7.1 168 – 161

EU6d-TEMP

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

ltr/100 km

Itr/100 km

g/km

Emission rating

Extra-urban

Combined CO₂

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 540i xDrive.

09/2018
Page 9

		BMW 540i xDrive Sedan
Body		415
No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	4936 / 1868 / 1479
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	139 12.22
Turning circle	m opprovi itr	
Tank capacity Engine oil 2)	approx. ltr	68
	ltr	6.5
Weight, unladen, to DIN/EU	kg	1660 / 1735
Max. load to DIN	kg	675 2340
Max. permissible weight	kg	
Max. axle load, front/rear	kg	1160 / 1270
Max. trailer load,	kg	2000 / 750
braked (12%)/unbraked	l.a	2000 / 750
Max. roof load/towbar download	kg Itr	100 / 90
Luggage comp. capacity		530 0.25 x 2.35
<u>Air resistance</u>	C _d x A	0.23 X 2.33
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger,
		High Precision Injection, VALVETRONIC fully variable valve timing,
		Double-VANOS variable camshaft timing
Effective capacity	cm ³	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min RON 91
Output	kW/hp	250 / 340
at	rpm	5500 – 6500
Torque	Nm	450
at	rpm	1380 – 5200
Electrical System		
Battery/Installation	Ah/-	90 / luggage comp.
Driving Dynamics and Safety		
Suspension, front	Al	uminium double track control arm axle with separate lower track arm level,
C		small steering roll radius, traverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, double elastic bearing
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying
	TU	nction, fading compensation, start-off assistant, networked with xDrive all-
Cafati, andiament		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive
Safety equipment		tandard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-
		eel seatbelts on all seats with belt latch tensioner and belt force limiter at
	ŗ	
Ctooring		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Stooring ratio overall	:1	with Servotronic function; optional: Integral Active Steering 16.3
Steering ratio, overall	- 11	
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

			BMW 540i xDrive Sedan	
Transmission				
Type of gearbox			8-speed Steptronic	
Gear ratios	I	:1	5.000	
	II	:1	3.200	
	III	:1	2.143	
	IV	:1	1.720	
	V	:1	1.314	
	VI	:1	1.000	
	VII	:1	0.822	
	VIII	:1	0.640	
	R	:1	3.456	
Final drive		:1	2.929	
Performance				
Power-to-weight ra	tio (DIN)	kg/kW	6.6	
Output per litre		kW/l	83.4	
Acceleration 0-	-100 km/h	S	4.8	
Top speed		km/h	250	

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, ${\bf BMW\ Efficient Lightweight,\ optimised\ aerodynamic\ attributes,\ active\ air\ flap}$ control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance

Fuel consumption EU	J cycle		
Urban	ltr/100 km	10.3 – 10.2	
Extra-urban	ltr/100 km	6.4 – 6.2	
Combined	ltr/100 km	7.9 – 7.7	
CO ₂	g/km	179 – 174	
Emission rating		EU6d-TEMP	

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 530e iPerformance.

09/2018
Page 11

No. of doors/seats			BMW 530e Sedan
No. of doorsleets	D. 4.		
Length/widthheight (unladen)			4 / 5
Mineelbase		mm	
Track, front/rear			
Truming circle			==
Turning circle			
Tank capacity			
Engine oil 10 Itr			
Weight, unladen, to DIN/EU kg 1770 / 1845 Max. load to DIN kg 650 Max. permissible weight kg 2420 Max. arale load, front/rear kg 1120 / 1405 Max. trailer load, racked (12%)fumbraked -/- Max. trailer load, seed (12%)fumbraked -/- Mix. roof load/flowbar download kg Max. roof load/flowbar download kg Max. roof load/flowbar download kg Load Sale (12%)fumbraked -/- Mix. roof load/flowbar download kg Load (14%)fumbraked -/- Max. roof load/flowbar download kg Load (14%)fumbraked -/- Max. roof load/flowbar download kg Load (14%)fumbraked -/- Max. roof load/flowbar download kg Power section of load (14%)fumbraked -/- Max. roof load/flowbar download kg 100 / - <			
Max. load to DIN kg 650 Max. walk load, front/rear kg 2420 Max. ratel load, front/rear kg 1120 / 1405 Max. Incalled load, front/rear kg 1120 / 1405 Max. roof load/towbar download kg 100 / - Value, realization Cat xA 0.26 x 2.35 Drive system Drive system Full hybrid drive, torque vectoring to rear wheels from one or both units System torque Nm 420 System output Whp 185 / 252 System output Nm 420 System output Nm 420 System power-to-weight ratio (DIN) kg/kW 9.6 Combustion Engine Combustion Engine In-line / 4 / 4 Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALIVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing Double-VANOS variable camshaft timing Double-VANOS variable camshaft timing Effective capacity cm³ 1998 Stockebore In-line / 4 / 4 Engine Valve V	<u> </u>		
Max. permissible weight kg 2420 Max. avale load, front/rear kg 1120 / 1405 Max. ratiler load, kg 7 Max. rote load, load, front/rear kg 100 / - Max. rote load, load, forwhord kg 100 / - Max. rote load, load, forwhord kg 100 / - Max. rote load, load, forwhord kg 100 / - Max. rote load, load, forwhord kg 100 / - Max. rote load, front/rear wheels from one or both units from one or both unit			
Max. axle load, front/rear kg 1120/1405 Max. trailer load, road,			***
Max. trailer load, ranked (12%)/Junbraked			
braked (12%)/unbraked −/− viax. roof load/towbar download kg 100 / − viax. roof load/towbar download kg. augagage comp. capacity Itr 410 Air resistance c ₄ x A 0.26 x 2.35 Drive system Full hybrid drive, torque vectoring to rear wheels from one or both units System output kW/hp 185 / 252 System output kW/hp 185 / 252 System power-to-weight ratio (DIN) kg/kW 9.6 Combustion Engine Config./No. of cyls./valves in-line / 4 / 4 Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC failly variable valve timing, Double-VANOS variables Effective capacity cm³ 1998 Strokebore mm 94.6 / 82.0 Compression ratio :1 11.0 Fuel min RON 91 Dutput kW/hp 135 / 184 etal rpm 5000 – 6500 Forque Nm 290 Stectric motor Worther technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic		kg	1120 / 1405
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Drive system Drive concept Full hybrid drive, torque vectoring to rear wheels from one or both units System output kW/hp 185 / 252 System torque Nm 420 System power-to-weight ratio (DIN) kg/kW 9.6 Combustion Engine Config./No. of cyls./valves in-line / 4 / 4 Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing Effective capacity cm³ 1998 Stroke/Bore mm 94.6 / 82.0 Compression ratio :1 11.0 Fuel min RON 91 Dutput kW/hp 135 / 184 at rpm 5000 – 6500 Torque Nm 290 at rpm 1350 – 4250 Dutput per litre kW/l 67.6 Electric motor Wotor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 at rpm 3170 Torque Nm 250 at rpm 3170 Torque Nm 250 Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 at rpm 3170 Torque Nm 250 Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 at rpm 3170 Torque Nm 250 Steptronic transmission decrease function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 at rpm 3170 Torque Nm 250 Steptronic transmission decrease function for energy recuperation for the high-voltage battery Max output kW/hp 33 / 113 at rpm 3170 Torque Nm 250 Steptronic transmission decrease function for energy recuperation for the high-voltage battery Mitchiage battery Wotonge technology / installation / 1 underneath rear seat / 20 / 20 / 20 / 20 / 20 / 20 / 20 / 2			<u> </u>
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Config./No. of cyls./valves Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VAL VETRONIC fully variable valve timing, Double-VANOS variable camshaft timing Effective capacity Cm3 1998 Stroke/bore mm 94.6 / 82.0 Compression ratio :1 11.0 Turboutput kW/hp 135 / 184 it rpm 5000 – 6500 Torque Nm 290 it rpm 1350 – 4250 Dutput per litre kW/l 67.6 Electric motor Motor technology BIWW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 it rpm 3170 Torque Nm 250 tt rpm 3-170 Torque Nm 250 tt rpm 0 - 3170 Recuperation output kW 20 Litigh-voltage battery Storage technology / installation Nototage V 351 Capacity (gross) kWh 9.2	System power-to-weight ratio (DII	V) kg/kW	9.6
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Effective capacity cm³ 1998 Stroke/bore mm 94.6 / 82.0 Compression ratio :1 11.0 Fuel min RON 91 Output kW/hp 135 / 184 at rpm 5000 - 6500 Torque Nm 290 at rpm 1350 - 4250 Output per litre kW/l 67.6 Electric motor Motor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 at rpm 3170 Torque Nm 250 at rpm 0 - 3170 Recuperation output kW 20 High-voltage battery Storage technology / installation lithium-ion / underneath rear seat Voltage V 351 Capacity (gross) kWh 9.2			High Precision Injection, VALVETRONIC fully variable valve timing,
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Electric motor Wotor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 forque Nm 250 at rpm 0 - 3170 Recuperation output kW 20 High-voltage battery Storage technology / installation /oltage V 351 Capacity (gross) kWh 9.2			1350 – 4250
Motor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 83 / 113 trpm 3170 Forque Nm 250 at rpm 0 - 3170 Recuperation output kW 20 High-voltage battery Storage technology / installation /oltage V 351 Capacity (gross) kWh 9.2	Output per litre	kW/l	67.6
Steptronic transmission, generator function for energy recuperation for the high-voltage battery	Electric motor		
Torque	Motor technology		Steptronic transmission, generator function for energy recuperation for the
Torque	Max output	kW/hp	
Forque Nm 250 at rpm 0 - 3170 Recuperation output kW 20 High-voltage battery Storage technology / installation lithium-ion / underneath rear seat /oltage V 351 Capacity (gross) kWh 9.2	· · · · · · · · · · · · · · · · · · ·		
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Recuperation output	· · · · · · · · · · · · · · · · · · ·		
Storage technology / installation lithium-ion / underneath rear seat //oltage V 351 Capacity (gross) kWh 9.2			
Storage technology / installation lithium-ion / underneath rear seat Voltage V 351 Capacity (gross) kWh 9.2	High-voltage batterv		
Voltage V 351 Capacity (gross) kWh 9.2			lithium-ion / underneath rear seat
Capacity (gross) kWh 9.2	<u> </u>	\/	
	Charging time for 100 % charge	LVVII	9.2 2.9 h at 3.7 kW (16 A / 230 V)

			BMW 530e Sedan
Daireinan Demon		£	
Driving Dynar Suspension, from		rety	Double track control arm axle with separate lower track arm level in
Suspension, ire	1111		aluminium lightweight construction, small steering roll radius, traverse force compensation, anti-dive
Suspension, rea	ar		Five-link axle in aluminium lightweight construction, double elastic bearing
Brakes, front			Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive Suspension
Safety equipme	ent		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 seats, crash sensors, Tyre Pressure Indicator
Steering			Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering
Steering ratio, o	verall	:1	16.3
Tyres, front/rea			225/55 R17 97Y
Rims, front/rear			7.5J x 17 light-alloy
Transmission			
Type of gearbo	x		8-speed Steptronic
Gear ratios	I	:1	4.714
		Ⅱ :1	3.143
		III :1	2.106
		IV :1	1.667
		V :1	1.285
		VI :1	1.000
		VII :1	0.839
		VIII :1	0.667
		R :1	3.317
Final drive		:1	3.231
Performance			
Acceleration	0–100 km/	h s	6.2
Top speed		km/h	235
Top speed elec	tric	km/h	140
Electric range		km	45
BMW Efficien			
BMW EfficientE standard feature	•		BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance
F	ai a a Fili	1-	
Fuel consump	otion EU cyc		22 21
Combined CO ₂ emissions	from final	ltr/100 km g/km	2.3 – 2.1
Power consum		kWh/100 km	<u>52 – 47</u> 13.9 – 13.3
Emission rating		NVVII/ IUU KIII	EU6d-TEMP
<u>FILIPPIOLITIQUILIA</u>			LUUU- I EIVIF

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 520d.

09/2018 Page 13

		BMW 520d Sedan		
Body		A.1.5		
No. of doors/seats		4/5		
Length/width/height 1) (unladen)	mm	4936 / 1868 / 1479		
Wheelbase	mm	2975		
Track, front/rear	mm	1605 / 1630		
Ground clearance	mm	144		
Turning circle	m	12.05		
Tank capacity	approx. ltr	66		
Engine oil 2)	ltr	5.0		
Weight, unladen, to DIN/EU	kg	1595 / 1670		
Max. load to DIN	kg	675		
Max. permissible weight	kg	2270		
Max. axle load, front/rear	kg	1065 / 1295		
Max. trailer load,	kg			
braked (12%)/unbraked	•	2000 / 750		
Max. roof load/towbar download	kg	100 / 90		
Luggage comp. capacity	ltr	530		
Air resistance	c _d x A	0.24 x 2.35		
F				
Engine Config./No. of cyls./valves		in-line / 4 / 4		
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet		
		geometry, common rail direct fuel injection with solenoid injectors		
	2	(max. injection pressure: 2000 bar)		
Effective capacity	cm ³	1995		
Stroke/bore	mm	90.0 / 84.0		
Compression ratio	:1	16.5		
Fuel		Diesel		
Output	kW/hp	140 / 190		
at	rpm	4000		
Torque	Nm	400		
at	rpm	1750 – 2500		
Electrical System				
Battery/Installation	Ah/-	90 / luggage comp.		
Driving Dynamics and Safety				
Suspension, front	А	luminium double track control arm axle with separate lower track arm leve small steering roll radius, traverse force compensation, anti-dive		
Suspension, rear	F	Five-link axle in aluminium lightweight construction, double elastic bearing		
Brakes, front	· ·	Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying			
		function, fading compensation, start-off assistant; optional: Adaptive		
0.6		Suspension, 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-			
	1	reel seatbelts on all seats with belt latch tensioner and belt force limiter at		
		the front seats, crash sensors, Tyre Pressure Indicator		
Steering		Electromechanical rack-and-pinion power steering (EPS)		
		with Servotronic function; optional: Integral Active Steering		
Steering ratio, overall	:1	16.3		
Tyres, front/rear	225/55 R17 97Y 7.5J x 17 light-alloy			

			BMW 520d Sedan
Transmission			
Type of gearbox	X		8-speed Steptronic
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weigh	nt ratio (DIN)	kg/kW	11.4
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	S	7.3
Top speed		km/h	235
BMW Efficient	tDynamics		
BMW EfficientD standard feature	•		Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump,

Fuel consumption El	J cycle		
Urban	Itr/100 km	5.1 – 5.0	
Extra-urban	ltr/100 km	4.3 – 4.1	
Combined	ltr/100 km	4.6 – 4.5	
CO ₂	g/km	121 – 117	
Emission rating		EU6d-TEMP	

differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 520d xDrive.

09/20	18
Page	15

		BMW 520d xDrive Sedan
D		
Body No. of doors/seats		4/5
	mm	4936 / 1868 / 1479
Length/width/height 1) (unladen) Wheelbase	mm	
Track, front/rear	mm	2975
Ground clearance	mm	1605 / 1630 139
Turning circle	mm	12.22
	approv Itr	66
Tank capacity Engine oil 2)	approx. ltr	5.0
Weight, unladen, to DIN/EU		
Max. load to DIN	kg_	1650 / 1725 680
Max. permissible weight	kg	2330
	kg	
Max. axle load, front/rear Max. trailer load,	kg_	1115 / 1315
braked (12%)/unbraked	kg	2000 / 750
Max. roof load/towbar download	ka	100/90
	kg Itr	530
Luggage comp. capacity Air resistance	C _d x A	0.24 x 2.35
All resistance	Cd X A	0.24 X 2.33
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet
		geometry, common rail direct fuel injection with solenoid injectors
		(max. injection pressure: 2000 bar)
Effective capacity	cm ³	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	140 / 190
at	rpm	4000
Torque	Nm	400
at	rpm	1750 – 2500
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety		
Suspension, front	Δ	luminium double track control arm axle with separate lower track arm level,
Suspension, manie	, ,	small steering roll radius, traverse force compensation, anti-dive
Suspension, rear	F	Five-link axle in aluminium lightweight construction, double elastic bearing
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
2g diazty dydiad	(CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		unction, fading compensation, start-off assistant, networked with xDrive all-
		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive
Safety equipment	5	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 seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy

			BMW 520d xDrive Sedan
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weight	ratio (DIN)	kg/kW	11.8
Output per litre		kW/l	70.2
Acceleration	0–100 km/h	S	7.3
Top speed		km/h	232

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU	cycle		
Urban	ltr/100 km	5.5 – 5.3	
Extra-urban	ltr/100 km	4.6 – 4.4	
Combined	ltr/100 km	4.9 – 4.7	
CO ₂	g/km	129 – 124	
Emission rating		EU6d-TEMP	

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 525d.

09/2018
Page 17

		BMW 525d Sedan
Pody		
Body No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	4936 / 1868 / 1479
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	144
Turning circle	m	12.05
Tank capacity	approx. ltr	66
Engine oil 2)	ltr	5.0
Weight, unladen, to DIN/EU	kg	1595 / 1670
Max, load to DIN	kg	700
Max. permissible weight	kg	2295
Max. axle load, front/rear	kg	1080 / 1290
Max. trailer load,	kg	10007 1230
braked (12%)/unbraked	ĸg	2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	530
Air resistance	Cd X A	0.24 x 2.35
All resistance	CaxA	0.24 \ 2.00
Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging,
		high and low pressure turbocharger with variable inlet geometry, common
		rail direct fuel injection with solenoid injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm ³	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	170 / 231
at	rpm	4400
Torque	Nm	500
at	rpm	2000
Electrical Cyatam		
Electrical System Battery/Installation	Ah/–	90 / luggage comp.
Datter yii istallation		30 / ldggage comp.
Driving Dynamics and Safety		
Suspension, front	A	Aluminium double track control arm axle with separate lower track arm level,
		small steering roll radius, traverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, double elastic bearing
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying
		function, fading compensation, start-off assistant; optional: Adaptive
		Suspension, 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 seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.3
Tyres, front/rear	225/55 R17 97Y	
Rims, front/rear		7.5J x 17 light-alloy

			BMW 525d Sedan
Transmission	 1		
Type of gearbo	DX		8-speed Steptronic
Gear ratios		:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.314
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.456
Final drive		:1	2.813
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	9.4
Output per litre)	kW/l	85.2
Acceleration	0–100 km/h	S	6.6
Top speed		km/h	250
BMW Efficier	ntDynamics		
BMW Efficientl	Dynamics		Brake Energy Regeneration with recuperation display, EPS (Electric Power
standard featur	res		Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant,
		[BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump,

Fuel consumption EU cycle ltr/100 km 6.0 - 5.6 Urban Extra-urban ltr/100 km 4.6 - 4.45.1 – 4.9 135 – 128 Itr/100 km Combined CO₂ g/km

differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 530d.

09/2018
Page 19

		BMW 530d Sedan	
Rody			
Body No. of doors/seats		4/5	
Length/width/height 1) (unladen)	mm	4936 / 1868 / 1479	
		2975	
Wheelbase	mm		
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	144	
Turning circle	m	12.05	
Tank capacity	approx. ltr	66	
Engine oil 2)	ltr	6.5	
Weight, unladen, to DIN/EU	kg	1640 / 1715	
Max. load to DIN	kg	705	
Max. permissible weight	kg	2345	
Max. axle load, front/rear	kg	1125 / 1310	
Max. trailer load,	kg		
braked (12%)/unbraked		2000 / 750	
Max. roof load/towbar download	kg	100 / 90	
Luggage comp. capacity	ltr	530	
Air resistance	c _d x A	0.24 x 2.35	
Engine			
Config./No. of cyls./valves		in-line / 6 / 4	
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet	
3		geometry, common rail direct fuel injection with piezo injectors	
		(max. injection pressure: 2500 bar)	
Effective capacity	cm ³	2993	
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel		Diesel	
Output	kW/hp	195 / 265	
at	rpm	4000	
Torque	Nm	620	
at	rpm	2000 – 2500	
<u>at</u>	трт	2000 2300	
Electrical System	A	00.11	
Battery/Installation	Ah/–	90 / luggage comp.	
Driving Dynamics and Safety			
Suspension, front	А	luminium double track control arm axle with separate lower track arm level	
Suspension rear		small steering roll radius, traverse force compensation, anti-dive Five-link axle in aluminium lightweight construction, double elastic bearing	
Suspension, rear			
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying	
		function, fading compensation, start-off assistant; optional: Adaptive	
		Suspension, 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-	
	ļ	reel seatbelts on all seats with belt latch tensioner and belt force limiter at	
		the front seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	
Tyres, front/rear	225/55 R17 97Y		
Rims, front/rear	7.5J x 17 light-alloy		

			BMW 530d Sedan
Transmission			
Type of gearbox	x		8-speed Steptronic
Gear ratios	1	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.471
Performance			
Power-to-weigh	nt ratio (DIN)	kg/kW	8.4
Output per litre		kW/l	65.2
Acceleration	0-100 km/h	S	5.7
Top speed		km/h	250
BMW Efficien	tDynamics		
BMW Efficient	Dynamics		Brake Energy Regeneration with recuperation display, EPS (Electric Power
standard feature	es		Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant,
			BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump,

converter Fuel consumption EU cycle ltr/100 km Urban 6.4 - 6.1Extra-urban Itr/100 km 4.6 - 4.35.2 - 5.0 Itr/100 km Combined CO₂ g/km 138 - 131

differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 530d xDrive.

09/20	1	8
Page	2	1

		BMW 530d xDrive Sedan
Body		A15
No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	4936 / 1868 / 1479
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	139
Turning circle	m	12.22
Tank capacity	approx. ltr	66
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1695 / 1770
Max. load to DIN	kg	690
Max. permissible weight	kg	2385
Max. axle load, front/rear	kg	1175 / 1310
Max. trailer load,	kg	
braked (12%)/unbraked		2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	530
Air resistance	c _d x A	0.25 x 2.35
Fi		
Engine Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet
		geometry, common rail direct fuel injection with piezo injectors
Ett. 11.	2	(max. injection pressure: 2500 bar)
Effective capacity	cm ³	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
D		
Driving Dynamics and Safety	Δ1	
Suspension, front	A	luminium double track control arm axle with separate lower track arm level
0		small steering roll radius, traverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, double elastic bearing
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying
	fu	ınction, fading compensation, start-off assistant, networked with xDrive all
		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive
Safety equipment	S	Standard: airbags for driver and front passenger, side airbags for driver and
	1	front passenger, head airbags for front and rear seats, three-point inertia-
	r	reel seatbelts on all seats with belt latch tensioner and belt force limiter at
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
-		with Servotronic function; optional: Integral Active Steering
		10.0
Steering ratio, overall	:1	16.3
Steering ratio, overall Tyres, front/rear	:1	225/55 R17 97Y

BMW 530d xDrive Sedan
8-speed Steptronic
5.000
3.200
2.143
1.720
1.313
1.000
0.823
0.640
3.478
2.471
8.7
65.2
5.4
250

BMW EfficientDynamics

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, ${\bf BMW\ Efficient Lightweight,\ optimised\ aerodynamic\ attributes,\ active\ air\ flap}$ control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU	cycle		
Urban	ltr/100 km	6.7 – 6.5	
Extra-urban	ltr/100 km	5.0 – 4.7	
Combined	ltr/100 km	5.6 - 5.3	
CO ₂	g/km	147 – 141	
Emission rating		EU6c	

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. 540d xDrive.

09/2018
Page 23

		BMW 540d xDrive Sedan	
Body			
No. of doors/seats		4/5	
Length/width/height 1) (unladen)	mm	4936 / 1868 / 1479	
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	139	
Turning circle	m	12.22	
Tank capacity	approx. ltr	66	
Engine oil 2)	ltr	6.5	
Weight, unladen, to DIN/EU	kg	1735 / 1810	
Max. load to DIN	kg	705	
Max. permissible weight	kg	2440	
Max. axle load, front/rear	kg	1200 / 1325	
Max. trailer load,	kg	12007 1023	
braked (12%)/unbraked	Ng	2000 / 750	
Max. roof load/towbar download	kg	100 / 90	
	ltr	530	
Luggage comp. capacity Air resistance		0.25 x 2.35	
Air resistance	c _d x A	0.25 X 2.35	
Engino			
Config /No. of outs /valves		in line / G / A	
onfig./No. of cyls./valves in-line / 6 / 4 ngine technology BMW TwinPower Turbo technology: multi-stage cha			
Engine technology		high and low pressure turbocharger with variable inlet geometry, common rail direct fuel injection with piezo injectors	
		(max. injection pressure: 2500 bar)	
Effective capacity	cm ³	2993	
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel		Diesel	
Output	kW/hp	235 / 320	
at	rpm	4400	
Torque	Nm	680	
at	rpm	1750 – 2250	
Electrical System			
Battery/Installation	Ah/–	90 / luggage comp.	
Driving Dynamics and Safety			
Suspension, front		Aluminium double track control arm axle with separate lower track arm level.	
Suspension, none	,	small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear			
Brakes, front	Five-link axle in aluminium lightweight construction, double elastic bearing		
Brakes, rear	Four-piston fixed-calliper disc brakes / vented		
Driving stability systems		Single-piston floating-calliper disc brakes / vented Standard: DSC incl. ABS and DTC (Dynamic Traction Control),	
Driving stability systems	1	CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, networked with xDrive all-	
Cafaty aguinment		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver an front passenger, head airbags for front and rear seats, three-point inertiareel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator		
Steering		Electromechanical rack-and-pinion power steering (EPS)	
<u> </u>		with Servotronic function; optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	
Tyres, front/rear		225/55 R17 97Y	
Rims, front/rear		7.5J x 17 light-alloy	
,		"9"	

		BMW 540d xDrive Sedan
Transmission		
Type of gearbox		8-speed Steptronic
Gear ratios I	:1	5.000
li li	:1	3.200
III	:1	2.143
IV	:1	1.720
V	:1	1.313
VI	:1	1.000
VII	:1	0.823
VIII	:1	0.640
R	:1	3.478
Final drive	:1	2.563
Performance		
Power-to-weight ratio (DIN)	kg/kW	7.4
Output per litre	kW/l	78.5
Acceleration 0–100 km/h	S	4.7
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU	cycle		
Urban	ltr/100 km	7.1 – 6.9	
Extra-urban	ltr/100 km	5.2 – 5.0	
Combined	ltr/100 km	5.9 – 5.7	
CO ₂	g/km	156 – 149	
Emission rating		EU6c	

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

¹⁾ Height including roof aerial ²⁾ Oil change volume

BMW 5 Series Sedan. M550d xDrive.

00/2010
09/2018
Done OF
Page 25

		BMW M550d xDrive Sedan	
D. J.			
Body No. of doors/seats		4/5	
	mm	4962 / 1868 / 1467	
Length/width/height 1) (unladen)	mm		
Wheelbase	mm	2975	
Track, front/rear	mm	1599 / 1596	
Ground clearance	mm	131	
Turning circle	m	12.24	
Tank capacity	approx. ltr	66	
Engine oil 2)	ltr	6.5	
Weight, unladen, to DIN/EU	kg	1845 / 1920	
Max. load to DIN	kg	625	
Max. permissible weight	kg	2470	
Max. axle load, front/rear	kg	1230 / 1325	
Max. trailer load,	kg		
braked (12%)/unbraked		2000 / 750	
Max. roof load/towbar download	kg	100 / 90	
Luggage comp. capacity	ltr	530	
Air resistance	c _d x A	0.26 x 2.35	
Engine			
Config./No. of cyls./valves		in-line / 6 / 4	
Engine technology		BMW TwinPower Turbo technology: multi-stage charging with four	
3		turbochargers, high and low pressure charging stage with two chargers	
	6	each, high pressure turbocharger with variable inlet geometry, common-rail	
		direct injection with piezo injectors (max. injection pressure: >2500 bar)	
Effective capacity	cm ³	2993	
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.0	
Fuel	•	Diesel	
Output	kW/hp	294 / 400	
at	rpm	4400	
Torque	Nm	760	
at	rpm	2000 – 3000	
Electrical System			
	Λh/	10E / huggagg gamp	
Battery/Installation	Ah/–	105 / luggage comp.	
Driving Dynamics and Safety			
Suspension, front	A	Aluminium double track control arm axle with separate lower track arm level	
		small steering roll radius, traverse force compensation, anti-dive	
Suspension, rear		Five-link axle in aluminium lightweight construction, double elastic bearing	
Brakes, front		Four-piston fixed-calliper 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, DBC Dynamic Brake Control, brake drying		
	f	unction, fading compensation, start-off assistant, networked with xDrive all-	
		wheel-drive system; optional: Adaptive Suspension, 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 seats, crash sensors, Tyre Pressure Indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS)	
-		with Servotronic function, Integral Active Steering	
Steering ratio, overall	:1	16.3	
Tyres, front/rear		245/40 R19 98Y XL / 275/35 R19 100Y XL	
Rims, front/rear		8J x 19 light-alloy / 9J x 19 light-alloy	

			BMW M550d xDrive Sedan
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.813
Performance			
Power-to-weight ra	atio (DIN)	kg/kW	6.3
Output per litre		kW/l	98.2
Acceleration C)–100 km/h	S	4.4
Top speed		km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, ${\bf BMW\ Efficient Lightweight,\ optimised\ aerodynamic\ attributes,\ active\ air\ flap}$ control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU	cycle		
Urban	ltr/100 km	8.0 – 7.9	
Extra-urban	ltr/100 km	5.8 – 5.7	
Combined	ltr/100 km	6.6 – 6.5	
CO ₂	g/km	173 – 171	
Emission rating		EU6c	

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

¹⁾ Height including roof aerial ²⁾ Oil change volume