BMW Media Information

11/2018 Page 1

### Specifications. BMW 5 Series Sedan. 520i.



		BMW 520i 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	144
Turning circle	m	12.05
Tank capacity	approx. ltr	68
Engine oil 2)	Itr	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	10437 1230
braked (12%)/unbraked	ĸġ	2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	530
Air resistance	C <sub>d</sub> 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: twin scroll turbocharger,
		High Precision Injection, VALVETRONIC fully variable valve timing,
		Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	135 / 184
at	rpm	5000 – 6500
Torque	Nm	290
at	rpm	1350 – 4250
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Driving Dynamics and Safety	Λ	huminium double trock control arm over with concrete lower trock arm lovel
Suspension, front	A	Juminium 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
		Single-piston floating-calliper disc brakes / vented
Brakes, rear Driving stability systems		
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
Safety equipment		Suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and
Salety equipment		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)
Otooiling		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
rama, nontreal		7.55 X 17 light-alloy

			BMW 520i Sedan
Transmission			
Type of gearbox	(		8-speed Steptronic
Gear ratios	l	: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-weigh	t ratio (DIN)	kg/kW	11.4
Output per litre		kW/l	67.6
Acceleration	0-100 km/h	S	7.8
Top speed		km/h	235
BMW Efficient	Dynamics		
BMW EfficientD	ynamics	В	rake 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,
			MW 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

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 CO<sub>2</sub>

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

### BMW 5 Series Sedan. 530i.

11/2018	
Page 3	

		BMW 530i Sedan
Dodu		
Body No. of doors/seats		4/5
	mm	4936 / 1868 / 1479
Length/width/height 1) (unladen)	mm	2975
Wheelbase Trook front/roor	mm	
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	144
Turning circle	m	12.05
Tank capacity	approx. ltr	68
Engine oil 2)	ltr	5.25
Weight, unladen, to DIN/EU	kg	1540 / 1615
Max. load to DIN	kg	680
Max. permissible weight	kg	2220
Max. axle load, front/rear	kg	1065 / 1255
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 <sub>d</sub> 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 <sup>3</sup>	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	Al	uminium double track control arm axle with separate lower track arm level
o de provincia, in anno		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),
Briving deability dysterns	(	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
curety equipment		ront 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
		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
raino, itoriureai		1.30 x 11 ilgitt-alluy

			BMW 530i Sedan
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios		: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-weigh	nt ratio (DIN)	kg/kW	8.3
Output per litre		kW/l	92.6
Acceleration	0-100 km/h	S	6.1
Top speed		km/h	250
BMW Efficient	tDynamics		
BMW EfficientD	)ynamics	Е	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,
		В	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
Fuel consump	tion EU cycle		

7.4 – 7.2

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

Itr/100 km

Itr/100 km

g/km

Emission rating

Urban

Extra-urban

Combined CO<sub>2</sub>

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

# BMW 5 Series Sedan. 530i xDrive.

11/2018	
Page 5	

		BMW 530i xDrive Sedan
D		
Body No. of doors/seats		4/5
		4936 / 1868 / 1479
Length/width/height 1) (unladen)	mm	
Wheelbase Track, front/rear	mm	2975 1605 / 1630
Ground clearance	mm	1605 / 1630 139
Turning circle	mm	12.22
	m opprovite	68
Tank capacity Engine oil 2)	approx. Itr Itr	5.25
Weight, unladen, to DIN/EU  Max. load to DIN	kg kg	1605 / 1680 675
Max. permissible weight	kg kg	2280
	kgkg	1110 / 1265
Max. axle load, front/rear  Max. trailer load,	kg kg	111071205
braked (12%)/unbraked	kg	2000 / 750
Max. roof load/towbar download	ka	100 / 90
	kg Itr	530
Luggage comp. capacity  Air resistance	C <sub>d</sub> x A	0.25 x 2.35
All resistance	Cd X A	0.23 X 2.33
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 <sup>3</sup>	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	Alı	uminium double track control arm axle with separate lower track arm level,
Suspension, were	,	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),
2g sta2ty eyetee	C	CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		nction, fading compensation, start-off assistant, networked with xDrive all-
		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive
Safety equipment	St	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-
	re	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)
		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 xDrive Sedan
Transmission	 1		
Type of gearbo	)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	2.813
Performance			
Power-to-weigh	ht ratio (DIN)	kg/kW	8.7
Output per litre	!	kW/l	92.6
Acceleration	0–100 km/h	S	6.0
Top speed		km/h	250
BMW Efficien	ntDynamics		
BMW Efficient[	Dynamics	Brake	Energy Regeneration with recuperation display, EPS (Electric Power
standard featur	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 flan

 ${\bf BMW\ Efficient Lightweight,\ optimised\ aerodynamic\ attributes,\ active\ air\ flap}$ 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 El	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 <sub>2</sub>	g/km	147 – 142	
Emission rating		EU6d-TEMP	

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

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

### BMW 5 Series Sedan. 540i.

		BMW 540i 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	144
Turning circle	m	12.05
Tank capacity	approx. ltr	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 <sub>d</sub> 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,
		High Precision Injection, VALVETRONIC fully variable valve timing,
		Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	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
		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
Cofety and in sect		Suspension, Adaptive Drive
Safety equipment		itandard: 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)
Cooning		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, il Oriorodi		7.50 X 17 light unoy

			BMW 540i Sedan	
Transmission				
Type of gearbox			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-weigh Output per litre		kg/kW kW/l	6.4 83.4	
Acceleration	0–100 km/h	S	5.1	
Top speed		km/h	250	
BMW Efficient	Dynamics			
BMW EfficientD	ynamics	Brake Energy Regeneration with recuperation display, EPS (Electric Power		
standard feature	es	BMW cont	Steering), Auto Start Stop function, Optimum Shift Indicator, O PRO mode with coasting function and Proactive Driving Assistant, f EfficientLightweight, optimised aerodynamic attributes, active air flag trol, on-demand operation of ancillary units, map-controlled oil pump, prential with optimized-warm-up behaviour, tyres with reduced rolling resistance	

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

Itr/100 km

g/km

Emission rating

Urban

Extra-urban

Combined CO<sub>2</sub>

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

# BMW 5 Series Sedan. 540i xDrive.

1	1/201	8
Ρ	age 9	

		BMW 540i xDrive Sedan
<b>D</b> . 1		
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
Turning circle	m	12.22
Tank capacity	approx. ltr	68
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1660 / 1735
Max. load to DIN	kg	675
Max. permissible weight	kg	2340
Max. axle load, front/rear	kg	1160 / 1270
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 <sub>d</sub> 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,
Linguic teermology		High Precision Injection, VALVETRONIC fully variable valve timing,
		Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	2998
Stroke/bore	mm	94.6 / 82.0
	:1	11.0
Compression ratio Fuel	.1	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	Alı	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),
g, ., .,		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		nction, 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
carray equipment		ront 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
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
otooning .		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
		g · · · · <b>,</b>

		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	
,	/III :1	0.640	
	R :1	3.456	
Final drive	:1	2.929	
Performance			_
Power-to-weight ratio (DIN)	kg/kW	6.6	
Output per litre	kW/l	83.4	
Acceleration 0–100 km/h	n 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, 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	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 <sub>2</sub>	g/km	179 – 174	
Emission rating		EU6d-TEMP	

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

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

# BMW 5 Series Sedan. 530e iPerformance.

11/2018 Page 11	

		BMW 530e Sedan
Body		
No. of doors/seats		4/5
Length/width/height (unladen)	mm	4936 / 1868 / 1483
Wheelbase	mm	2975
Track, front/rear	mm	1604 / 1631
Ground clearance	mm	150
Turning circle	m	12.05
	approx. Itr	46
Engine oil 1)	Itr	5.25
Weight, unladen, to DIN/EU	kg	1770 / 1845
Max. load to DIN	kg	650
Max. permissible weight	kg	2420
Max. axle load, front/rear	kg	1120 / 1405
Max. trailer load,	kg	112071403
braked (12%)/unbraked	Ng	- <i>l</i> -
Max. roof load/towbar download	kg	100 / -
Luggage comp. capacity	ltr	410
Air resistance	C <sub>d</sub> x A	0.26 x 2.35
All resistance	CaxA	0.20 X 2.33
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
Oznak szakie w Engeline		
Combustion Engine		in the LATA
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 <sup>3</sup>	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
wotor technology		Steptronic transmission, generator function for energy recuperation for the
		high-voltage battery
Max output	kW/hp	83 / 113
<del></del>		
at	rpm	3170
Torque	Nm	250
at Decreased as a stant	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
Charging time for 100 % charge		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 <sub>2</sub> 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)

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

11/2018 Page 13

### BMW 5 Series Sedan. 520d.

Safety equipment

Steering ratio, overall

Tyres, front/rear Rims, front/rear :1

Steering

		BMW 520d Sedan
Body		
No. of doors/seats		4/5
_ength/width/height 1) (unladen)	mm	4936 / 1868 / 1479
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	144
Furning circle	m	12.05
Tank capacity	approx. ltr	66
Engine oil 2)	Itr	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	10037 1233
oraked (12%)/unbraked	Νg	2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	530
Air resistance	C <sub>d</sub> x A	0.24 x 2.35
All resistance	CaxA	0.24 A 2.00
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 <sup>3</sup>	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
-uel		Diesel
Output	kW/hp	140 / 190
at	rpm	4000
Forque	Nm	400
it	rpm	1750 – 2500
Electrical System	Ah/-	00/1/2000
Battery/Installation	An/-	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 bearin
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 dryin
		function, fading compensation, start-off assistant; optional: Adaptive
		Suspension Adaptive Drive

Suspension, Adaptive Drive

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

Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering

16.3

225/55 R17 97Y 7.5J x 17 light-alloy

			BMW 520d 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	2.929
Performance	!		
Power-to-weig	ht ratio (DIN)	kg/kW	11.4
Output per litre	Э	kW/l	70.2
Acceleration	0–100 km/h	S	7.3
Top speed		km/h	235
BMW Efficier	ntDynamics		
BMW Efficient	,	E	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,
			differential with optimized-warm-up behaviour, tyres with reduced rolling
			resistance, BMW Blue Performance technology including SCR catalytic
			converter
Fuel consum	ption EU cycle		
Urban	p 23 0y010	Itr/100 km	5.1 – 5.0
Extra-urban		ltr/100 km	4.3 – 4.1
		11 (4.00.1	

4.6 – 4.5 121 – 117

EU6d-TEMP

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

Itr/100 km

g/km

Combined CO<sub>2</sub>

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

### BMW 5 Series Sedan. 520d xDrive.

Steering ratio, overall

Tyres, front/rear Rims, front/rear

		BMW 520d xDrive Sedan		
Dadu				
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	5.0		
Weight, unladen, to DIN/EU	kg	1650 / 1725		
Max. load to DIN	kg	680		
Max. permissible weight	kg	2330		
Max. axle load, front/rear	kg	1115 / 1315		
Max. trailer load,	kg	111071010		
braked (12%)/unbraked	Ng	2000 / 750		
Max. roof load/towbar download	kg	100 / 90		
Luggage comp. capacity	kg_ ltr	530		
Air resistance	Cd X A	0.24 x 2.35		
All Tesistance	CaxA	0.24 \ 2.00		
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 <sup>3</sup>	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.		
<b>Driving Dynamics and Safety</b> Suspension, front		Aluminium double track control arm axle with separate lower track arm leve		
Suspension, none	7	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),		
Driving stability systems	Standard: DSC Incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake dryin			
	f	unction, fading compensation, start-off assistant, networked with xDrive a		
		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver an		
outory equiprifically	,	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 a		
		the front seats, crash sensors, Tyre Pressure Indicator		
Steering		Electromechanical rack-and-pinion power steering (EPS)		
		with Servetronic function; ontional; Integral Active Steering		

:1

with Servotronic function; optional: Integral Active Steering

16.3

225/55 R17 97Y 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**

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 <sub>2</sub>	g/km	129 – 124	
Emission rating		EU6d-TEMP	

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

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

## BMW 5 Series Sedan. 525d.

11/2018	
Page 17	

		BMW 525d 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	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	
braked (12%)/unbraked	J	2000 / 750
Max. roof load/towbar download	kg	100 / 90
Luggage comp. capacity	ltr	530
Air resistance	c <sub>d</sub> x A	0.24 x 2.35
Engine		1. P 1414
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 <sup>3</sup>	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 Custom		
Electrical System Battery/Installation	Ah/-	90 / luggage comp.
Battorymiotanation	7 4 1	oo naggaga oompi
Driving Dynamics and Safety		
Suspension, front	Δ	Numinium double track control arm axle with separate lower track arm leve 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			
Type of gearbo			8-speed Steptronic
Gear ratios	'^	:1	5,000
deal ratios	· II	:1	3.200
		:1	2.143
	IV	:1	1.720
	V	:1	1.314
	V	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1_	3.456
Final drive		:1	2.813
Performance			
Power-to-weigh	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 Efficien	tDvnamics		
BMW Efficient			Brake Energy Regeneration with recuperation display, EPS (Electric Power
standard feature			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 flag
			control, on-demand operation of ancillary units, map-controlled oil pump,
			differential with optimized-warm-up behaviour, tyres with reduced rolling
			resistance, BMW Blue Performance technology including SCR catalytic
			converter
Fuel consum	otion EU cycle		
Urban	Julion EO Cycle	ltr/100 km	6.0 – 5.6
Extra-urban		Itr/100 km	4.6 – 4.4
Combined		ltr/100 km	F 1 40

5.1 – 4.9 135 – 128

EU6c

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

ltr/100 km

g/km

Combined

CO<sub>2</sub>

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

## BMW 5 Series Sedan. 530d.

11/2018	3
Page 19	)

		BMW 530d 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	144
Turning circle	m	12.05
Tank capacity	approx. ltr	66
Engine oil 2)	ltr .	6.5
Weight, unladen, to DIN/EU	kg	1660 / 1735
Max. load to DIN	kg	695
Max. permissible weight	kg	2355
Max. axle load, front/rear	kg	1125 / 1310
Max. trailer load,	kg	0000 1750
braked (12%)/unbraked	1	2000 / 750
Max. roof load/towbar download	kg	100/90
Luggage comp. capacity	ltr	530
<u>Air resistance</u>	c <sub>d</sub> 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
		geometry, common rail direct fuel injection with piezo injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	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.
		55 5
Driving Dynamics and Safety		
Suspension, front	Α	luminium double track control arm axle with separate lower track arm level,
		small steering roll radius, traverse force compensation, anti-dive
Suspension, rear	ŀ	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
2.5.		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
Ctaoring		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Steering ratio, overall	:1	with Servotronic function; optional: Integral Active Steering 16.3
Tyres, front/rear		225/55 R17 97Y
Rims, front/rear		7.5J x 17 light-alloy
rairio, iruniureai		7.30 x 17 ilgrit-alloy

			BMW 530d Sedan
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios		:1	5,000
	Ш	: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	8.5
Output per litre	, ,	kW/l	
Acceleration	0-100 km/h	S	5.7
Top speed		km/h	250
BMW Efficient	tDvnamics		
BMW EfficientD standard feature	ynamics		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 with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter
Fuel consump	tion EU cycle		
Urban		ltr/100 km	6.5 – 6.2
Extra-urban		ltr/100 km	
Combined		ltr/100 km	5.2 – 5.1
CO <sub>2</sub>		g/km	138 – 134
			ELIA LITERAD

EU6d-TEMP

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

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

# BMW 5 Series Sedan. 530d xDrive.

11/2018	
Page 21	

		BMW 530d 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. ltr	66
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1720 / 1795
Max. load to DIN	kg	690
Max. permissible weight	kg	2410
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 <sub>d</sub> x A	0.25 x 2.35
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet
g		geometry, common rail direct fuel injection with piezo injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	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	A I. /	00.11
Battery/Installation	Ah/–	90 / luggage comp.
<b>Driving Dynamics and Safety</b>		
Suspension, front	А	luminium double track control arm axle with separate lower track arm level
0		small steering roll radius, traverse force compensation, anti-dive
Suspension, rear	h	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		Standard: airbags for driver and front passenger, side airbags for driver and
		front passenger, head airbags for front and rear seats, three-point inertia-
	I	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 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	2.471
Performance			
Power-to-weight ratio	(DIN)	kg/kW	8.8
Output per litre		kW/l	65.2
Acceleration 0-1	00 km/h	S	5.4
Top speed		km/h	250
BMW EfficientDyna	amics		
BMW EfficientDynam	nics	Brake Er	nergy Regeneration with recuperation display, EPS (Electric Pow
standard features		S	teering), Auto Start Stop function, Optimum Shift Indicator.

 $Steering), Auto Start Stop function, Optimum Shift Indicator,\\ ECO PRO mode with coasting function and Proactive Driving Assistant,\\$ 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	7.0 – 6.7	
Extra-urban	ltr/100 km	4.7 – 4.7	
Combined	ltr/100 km	5.6 – 5.4	
CO <sub>2</sub>	g/km	146 – 143	
Emission rating		EU6d-TEMP	

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

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

### BMW 5 Series Sedan. 540d xDrive.

Steering ratio, overall

Tyres, front/rear Rims, front/rear :1

		BMW 540d xDrive Sedan
Podu		
Body No. of doors/seats		4/5
	mm	4936 / 1868 / 1479
_ength/width/height 1) (unladen)	mm	
Wheelbase	mm	2975
Frack, front/rear	mm	1605 / 1630 139
Ground clearance	mm	
Furning circle	m	12.22
Fank capacity	approx. ltr	
Engine oil 2)	ltr	
Weight, unladen, to DIN/EU	kg	1755 / 1830
Max. load to DIN	kg	690
Max. permissible weight	kg	2440
Max. axle load, front/rear	kg	1200 / 1325
Max. trailer load,	kg	0000 1750
oraked (12%)/unbraked		2000 / 750
Max. roof load/towbar download	kg	100 / 90
_uggage comp. capacity	ltr	530
Air resistance	c <sub>d</sub> x A	0.25 x 2.35
Ingine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging,
		high and low pressure turbocharger with variable inlet geometry, commo
		rail direct fuel injection with piezo injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
-uel		Diesel
Dutput	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	Α	Aluminium double track control arm axle with separate lower track arm lev
	,	small steering roll radius, traverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, double elastic bearin
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),
onving stability systems		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		function, fading compensation, start-off assistant, networked with xDrive a
		wheel-drive system; optional: Adaptive Suspension, Adaptive Drive
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver an
saisty equipment	,	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 a
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Juding		with Servotronic function; ontional: Integral Active Steering

with Servotronic function; optional: Integral Active Steering 16.3

225/55 R17 97Y 7.5J x 17 light-alloy

			BMW 540d xDrive Sedan
Transmission	1		
Type of gearbo	X		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	2.563
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	7.5
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,  ${\bf BMW\ Efficient Lightweight,\ optimised\ aerodynamic\ attributes,\ active\ air\ flap}$ 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	7.2 – 6.8	
Extra-urban	ltr/100 km	4.9 – 4.8	
Combined	ltr/100 km	5.7 – 5.6	
CO <sub>2</sub>	g/km	149 – 147	
Emission rating		EU6d-TEMP	

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

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume

## BMW 5 Series Sedan. M550d xDrive.

1	1/2018
P	age 25

		BMW M550d xDrive Sedan
Body		
No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	4962 / 1868 / 1467
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	1860 / 1935
Max. load to DIN	kg	610
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 <sub>d</sub> 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
		turbochargers, high and low pressure charging stage with two chargers
		each, high pressure turbocharger with variable inlet geometry, common-rai
		direct injection with piezo injectors (max. injection pressure: >2500 bar)
Effective capacity	cm <sup>3</sup>	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		
Battery/Installation	Ah/–	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		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, 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
0		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
<u> </u>		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
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
	:1	2.813
Power-to-weight ratio (DIN)		6.3
Output per litre		98.2
00 km/h	S	4.4
	km/h	250
	III IV V VI VII VIII R	:1

#### **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	7.6 – 7.6				
Extra-urban	ltr/100 km	5.7 – 5.6				
Combined	ltr/100 km	6.4 – 6.3				
CO <sub>2</sub>	g/km	168 – 166				
Emission rating		EU6d-TEMP				

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

<sup>&</sup>lt;sup>1)</sup> Height including roof aerial <sup>2)</sup> Oil change volume