# **Technical specifications.** The new BMW 5 Series Touring.



**520i.** 

		BMW 520i Touring	
Body			
No of doors/seats		5/5	
Length/width/height 1)	mm	4963 / 1868 / 1498	
unladen)			
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	140	
Turning circle	m	12.0	
Fuel tank capacity	approx. I	68	
Engine oil 2)	I	5.25	
Weight, unladen, to DIN/EU	kg	1715 / 1790	
Max load to DIN	kg	695	
Max permissible weight	kg	2410	
Max axle load, front/rear	kg	1100 / 1410	
Max trailer load,	kg		
oraked (12%)/unbraked		2000 / 750	
Max roofload/max towbar	kg	100 / 90	
download			
Luggage comp capacity		560 – 1700	
Air resistance	c <sub>d</sub> x A	0.27 x 2.35	
Power Unit			
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	CC	1998	
Stroke/bore	mm	94.6 / 82.0	
Compression ratio	:1	11.0	
Fuel		Min. RON 91	
Max output	kW/hp	135 / 184	
at	rpm	5000 – 6500	
Max torque	Nm	290	
at	rpm	1350 – 4250	
48V mild hybrid technology			
Max output	kW/hp	8/11	
Electrical System			
12V battery/installation	Ah/-	90 / luggage compartment	
48V battery/installation	Ah/-	11 / engine compartment	
	-		
Driving Dynamics and Safe			
Suspension, front	D	ouble-wishbone axle in aluminium construction with separate lower track arm	
0		small steering roll radius, transverse force compensation, anti-dive	
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air	
Prokes front		suspension with automatic self-levelling	
Brakes, front		Vented disc brakes, with four-piston fixed callipers	
Brakes, rear		Vented disc brakes, with single-piston floating callipers tandard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornerin	
Driving stability systems	5	Brake Control), DBC (Dynamic Brake Control), Dry Braking 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	
	4	front passenger, head airbags front and rear, three-point inertia-reel seatbelts	
		on all seats with belt stopper, belt tensioner and belt force limiter at the front,	
		crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS),	
		optional: Integral Active Steering	
Steering ratio, overall	:1	17.0	
Tyres, front/rear		225/55 R17 101Y XL	
Rims, front/rear		7.5J x 17 light-alloy	

05/2020 Page 2

			BMW 520i Touring
Transmission			
Type of transmiss	sion		Eight-speed Steptronic transmission
Gear ratios		:1	5.250
		:1	3.360
		:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weight	ratio (DIN)	kg/kW	12.7
Output per litre	· · ·	kW/I	67.6
Acceleration	0–100 km/h	S	8.3
Top speed		km/h	225

#### BMW EfficientDynamics

BMW EfficientDynamics standard features

Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance

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

<sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

The fuel consumption, CO<sub>2</sub> emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO<sub>2</sub> values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.

#### The new BMW 5 Series Touring. 520d.

		BMW 520d Touring	
Body			
No of doors/seats		5/5	
Length/width/height <sup>1)</sup> (unladen)	mm	4963 / 1868 / 1498	
Wheelbase		2975	
	mm		
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	140	
Turning circle	m	12.0	
Fuel tank capacity	approx. I	66	
Engine oil 2)		5.5	
Weight, unladen, to DIN/EU	kg	1780 / 1855	
Max load to DIN	kg	690	
Max permissible weight	kg	2470	
Max axle load, front/rear	kg	1125 / 1455	
Max trailer load,	kg		
braked (12%)/unbraked		2000 / 750	
Max roofload/max towbar	kg	100/90	
download			
Luggage comp capacity		560 – 1700	
Air resistance	c <sub>d</sub> x A	0.26 x 2.35	
Power Unit			
Config/No of cyls/valves		In-line / 4 / 4	
Engine technology	E	BMW TwinPower Turbo technology: multi-stage turbocharging, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 bar)	
Effective capacity	CC	1995	
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel		Diesel	
Max output	kW/hp	140 / 190	
at	rpm	4000	
Max torque	Nm	400	
at	rpm	1750 – 2500	
48V mild hybrid technology			
Max output	kW/hp	8/11	
Electrical System			
12V battery/installation	Ah/-	90 / luggage compartment	
48V battery/installation	Ah/-	11 / engine compartment	
40V Datterynnstallation	<u>AII/-</u>		
Driving Dynamics and Safe	-		
Suspension, front	D	ouble-wishbone axle in aluminium construction with separate lower track arm,	
		small steering roll radius, transverse force compensation, anti-dive	
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air	
		suspension with automatic self-levelling	
Brakes, front		Vented disc brakes, with four-piston fixed callipers	
Brakes, rear		Vented disc brakes, with single-piston floating callipers	
Driving stability systems	St	tandard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering	
	Brake Control), DBC (Dynamic Brake Control), Dry Braking function,		
		Fading Compensation, Start-Off Assistant; optional: Adaptive suspension,	
		Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and	
		ront passenger, head airbags front and rear, three-point inertia-reel seatbelts	
	(	on all seats with belt stopper, belt tensioner and belt force limiter at the front,	
		crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS),	
		optional: Integral Active Steering	
Steering ratio, overall	:1	17.0	
Tyres, front/rear		225/55 R17 101Y XL	
Rims, front/rear		7.5J x 17 light-alloy	

05/2020 Page 10

			BMW 520d Touring
Transmission			
Type of transm	ission		Eight-speed Steptronic transmission
Gear ratios		:1	5.250
		:1	3.360
		:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weigh	ht ratio (DIN)	kg/kW	12.7
Output per litre		kW/I	70.2
Acceleration	0–100 km/h	S	7.6
Top speed		km/h	225
BMW Efficien	tDynamics		
BMW Efficient	Dynamics	Mild hybri	d technology with 48V starter-generator, Brake Energy Regenerat

standard features

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

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

<sup>1)</sup> Height including roof fin
<sup>2)</sup> Oil change

The fuel consumption, CO<sub>2</sub> emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO2 values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.

## The new BMW 5 Series Touring. 520d xDrive.

		BMW 520d xDrive Touring
<b>D</b> . 1		
Body		<b>F</b> / <b>F</b>
No of doors/seats		5/5
Length/width/height 1)	mm	4963 / 1868 / 1498
unladen)		
Wheelbase	mm	2975
Track, front/rear	mm	1605 / 1630
Ground clearance	mm	140
Turning circle	m	12.4
-uel tank capacity	approx. I	66
Engine oil 2)	1	5.5
Weight, unladen, to DIN/EU	kg	1840 / 1915
Vax load to DIN	kg	690
Vax permissible weight	kg	2530
Viax axle load, front/rear	kg	1180 / 1455
Vax trailer load,		11007 1435
,	kg	2000 / 750
braked (12%)/unbraked	I	2000 / 750
Vax roofload/max towbar	kg	100 / 90
download		F00 1700
_uggage comp capacity		560 – 1700
Air resistance	c <sub>d</sub> x A	0.26 x 2.35
D		
Power Unit		In the 1414
Config/No of cyls/valves		In-line / 4 / 4
Engine technology	В	MW TwinPower Turbo technology: multi-stage turbocharging, common-rail
		direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective capacity	CC	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
-uel		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
48V mild hybrid technology		1,00 2000
Max output	kW/hp	8/11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
	7-41.0	
Driving Dynamics and Safe	etv	
Suspension, front	-	puble-wishbone axle in aluminium construction with separate lower track arm
Suspension, none	DC	
Quananaian rear		small steering roll radius, transverse force compensation, anti-dive
Suspension, rear	I	Five-link axle in aluminium lightweight construction, dual elastic bearing, air
Dualiza fuzzt		suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Brakes, rear	Sta	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering
Brakes, rear		andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function,
Brakes, rear		andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Iding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked
Brakes, rear Driving stability systems	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, iding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive
Brakes, rear Driving stability systems	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Iding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and
Brakes, rear Driving stability systems	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, ding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts
Brakes, rear Driving stability systems	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Iding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and
Brakes, rear Driving stability systems	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, ding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts
Brakes, rear Driving stability systems Safety equipment	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, ding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front,
Brakes, rear Driving stability systems Safety equipment	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Iding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS),
Safety equipment Steering Steering ratio, overall	Fa	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, ding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Brakes, rear Driving stability systems Safety equipment Steering	Fa fr o	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Iding Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Adaptive Drive Standard: airbags for driver and front passenger, side airbags for driver and ont passenger, head airbags front and rear, three-point inertia-reel seatbelts n all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator Electric Power Steering (EPS), optional: Integral Active Steering

05/2020 Page 12

			BMW 520d xDrive Touring
Transmissior	1		
Type of transm	nission		Eight-speed Steptronic transmission
Gear ratios		:1	5.250
		:1	3.360
		:1	2.172
	IV	:1	1.720
	V	:1	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.929
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	13.1
Output per litre	9	kW/l	70.2
Acceleration	0–100 km/h	S	7.6
Top speed		km/h	222
BMW Efficier	ntDynamics		
BMW EfficientDynamics standard features			flid hybrid technology with 48V starter-generator, Brake Energy Regenerati /ith recuperation display, Auto Start Stop function, ECO PRO and COMFOI

mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

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

<sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

The fuel consumption, CO<sub>2</sub> emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO2 values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: "Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.

## The new BMW 5 Series Touring. 530d.

		BMW 530d Touring	
Body			
No of doors/seats		5/5	
Length/width/height 1)	mm	4963 / 1868 / 1498	
(unladen)		40007 10007 1400	
Wheelbase	mm	2975	
Track, front/rear		1605 / 1630	
Ground clearance	mm	140	
	mm		
Turning circle	m	12.0	
Fuel tank capacity	approx. I	66	
Engine oil 2)	I	7.0	
Weight, unladen, to DIN/EU	kg	1865 / 1940	
Max load to DIN	kg	685	
Max permissible weight	kg	2550	
Max axle load, front/rear	kg	1210/1455	
Max trailer load, braked (12%)/unbraked	kg	2000 / 750	
Max roofload/max towbar	kg	100 / 90	
download			
Luggage comp capacity		560 – 1700	
Air resistance	c <sub>d</sub> x A	0.26 x 2.35	
Power Unit			
Config/No of cyls/valves		In-line / 6 / 4	
Engine technology		MW TwinPower Turbo technology: multi-stage turbocharging, low-pressure	
		turbocharger with variable inlet geometry, common-rail direct injection with	
		piezo injectors (max. injection pressure: 2700 bar)	
Effective capacity	CC	2993	
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel		Diesel	
Max output	kW/hp	210/286	
at	rpm	4000	
Max torque	Nm	650	
at	rpm	1500 - 2500	
48V mild hybrid technology			
Max output	kW/hp	8/11	
·			
Electrical System			
12V battery/installation	Ah/–	90 / luggage compartment	
48V battery/installation	Ah/–	11 / engine compartment	
		· · · · · · · · · · · · · · · · · · ·	
<b>Driving Dynamics and Safe</b>	ty		
Suspension, front	Do	puble-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive	
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling	
Brakes, front		Vented disc brakes, with four-piston fixed callipers	
Brakes, rear		Vented disc brakes, with single-piston floating callipers	
Driving stability systems	C+	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering	
Enving stability systems	31	Brake Control), DBC (Dynamic Brake Control), Dry Braking 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	
Survey equipment	front passenger, head airbags front and rear, three-point inertia-reel seatbelts		
		on all seats with belt stopper, belt tensioner and belt force limiter at the front,	
	C C	crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS),	
Steering		optional: Integral Active Steering	
Stooring ratio averall	.1		
Steering ratio, overall	:1	17.0 225/55 D17 101V XI	
Tyres, front/rear		225/55 R17 101Y XL	
Rims, front/rear		7.5J x 17 light-alloy	

05/2020 Page 14

			BMW 530d Touring
Transmissior	n		
Type of transm	nission		Eight-speed Steptronic transmission
Gear ratios	1	:1	5.500
		:1	3.520
		:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.471
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	8.9
Output per litre	9	kW/I	70.2
Acceleration	0–100 km/h	S	5.7
Top speed		km/h	250
BMW Efficier	ntDynamics		
BMW Efficient	Dynamics	Mild hybri	id technology with 48V starter-generator, Brake Energy Regeneration
	-		

standard features

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

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

<sup>1)</sup> Height including roof fin
<sup>2)</sup> Oil change

The fuel consumption, CO<sub>2</sub> emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO2 values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.

## The new BMW 5 Series Touring. 530d xDrive.

		BMW 530d xDrive Touring	
Dadu			
Body No of doors/seats		5/5	
Length/width/height 1)	mm	4963 / 1868 / 1498	
(unladen)		49037 10087 1490	
Wheelbase	mm	2975	
Track, front/rear	mm	1605 / 1630	
Ground clearance	mm	140	
Turning circle	m	12.4	
Fuel tank capacity	approx. I	66	
Engine oil <sup>2)</sup>		7.0	
Weight, unladen, to DIN/EU	kg	1925 / 2000	
Max load to DIN	kg	685	
Max permissible weight	kg	2610	
Max axle load, front/rear	kg	1260 / 1455	
Max trailer load,	kg		
braked (12%)/unbraked	g	2000 / 750	
Max roofload/max towbar	kg	100/90	
download			
Luggage comp capacity		560 – 1700	
Air resistance	c <sub>d</sub> x A	0.26 x 2.35	
	-		
Power Unit			
Config/No of cyls/valves		In-line / 6 / 4	
Engine technology	B	MW TwinPower Turbo technology: multi-stage turbocharging, low-pressure	
0 00		turbocharger with variable inlet geometry, common-rail direct injection with	
		piezo injectors (max. injection pressure: 2700 bar)	
Effective capacity	CC	2993	
Stroke/bore	mm	90.0 / 84.0	
Compression ratio	:1	16.5	
Fuel		Diesel	
Max output	kW/hp	210/286	
at	rpm	4000	
Max torque	Nm	650	
at	rpm	1500 – 2500	
48V mild hybrid technology			
Max output	kW/hp	8/11	
Electrical System			
12V battery/installation	Ah/–	90 / luggage compartment	
48V battery/installation	Ah/–	11 / engine compartment	
Dubula a Domension and Cafe			
Driving Dynamics and Safe Suspension, front		auble wighbong avec in aluminium construction with constrate lower track arm	
Suspension, none			
Suspension, rear		small steering roll radius, transverse force compensation, anti-dive Five-link axle in aluminium lightweight construction, dual elastic bearing, air	
Suspension, real		suspension with automatic self-levelling	
Brakes, front		Vented disc brakes, with four-piston fixed callipers	
Brakes, rear		Vented disc brakes, with single-piston floating callipers	
Driving stability systems	St	andard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering	
Driving stability systems	Brake Control), DBC (Dynamic Brake Control), Dry Braking function,		
	Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked		
		with DSC; optional: Adaptive suspension, Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and	
	front passenger, head airbags front and rear, three-point inertia-reel seatbelts		
	on all seats with belt stopper, belt tensioner and belt force limiter at the front,		
		crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS),	
-		optional: Integral Active Steering	
Steering ratio, overall	:1	16.5	
Tyres, front/rear		225/55 R17 101Y XL	

05/2020 Page 16

			BMW 530d xDrive Touring
Transmissior	1		
Type of transm	ission		Eight-speed Steptronic transmission
Gear ratios	1	:1	5.500
		:1	3.250
		:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.471
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	9.2
Output per litre	9	kW/I	70.2
Acceleration	0–100 km/h	S	5.6
Top speed		km/h	250
BMW Efficien	tDynamics		
BMW Efficient	Dynamics	M	lild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard featur	es	W	ith recuperation display, Auto Start Stop function, ECO PRO and COMFOR

mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter

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

<sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

The fuel consumption, CO<sub>2</sub> emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO2 values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO<sub>2</sub> emission values of new passenger cars is included in the following guideline: "Leitfaden über den Kraftstoffverbrauch, die CO<sub>2</sub>-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO<sub>2</sub> emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.