BMW Media Information 02/2024

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Technical specifications. BMW 5 Series Touring. i5 eDrive40.



System performance		BMW i5 eDrive40 Touring			
Bottery Electric Vehicle - BEV / Touring	Vahisla satasamı				
Number of doors/seass 5 / 5 Length/width/leight (empty) mm 5060 / 1900 / 1515 Wheelbase mm 2995 Track width, front/rear mm 1622 / 1625 Turning circle m 12.3 Turning circle with Integral Active Steering m 11.7 Cround clearonce, empty mm 11.7 Vehicle curb weight (DIN/EU) kg 2180 / 2255 Polyload according to DIN kg 610 Permitted total weight kg 2790 Permitted active loads, front/rear kg 1290 / 1555 Permitted active loads, front/rear kg 1500 / 750 Permitted of load/permitted trailer load braked (12 %) / unbraked kg 1500 / 750 Permitted root load/permitted trailer nose weight kg 100 / 80 Lugagae compartment volume I 5770 - 1700 Drag coefficient c,x A 0.24 x 2.50 Drive Drive Drive Electric drive, transmission of the drive torque of the elector concept which was a comparation of the drive torque of the elector concept which was a comparation of the drive torque of the elector concept with page 230 / 313 System performance kW/hp 230 / 313 System performance in My Mode Sport kW/hp 230 / 313 System proformace in My Mode Sport kW/hp 230 / 313 System torque Nm 400 (430 ¹¹) Firth-generation BMW eDrive technology: Electric motor Belectric motor Motor technology Firth-generation BMW eDrive technology: Current-excited synchronous machine, electric motor, por electronics and transmission, single-stage with fixed ratio Peak power according to ECE R 85 kW/hp 250 / 340 System proformace in the graded in a comm housing, generator function for recuperation in the graded in a comm housing, generator function for recuperation in the graded in a comm housing, generator function for recuperation in the graded in a comm housing, generator function for recuperation in the graded in a comm housing generator function for recuperation in the graded in a comm housing generator function for recuperation in the graded in a comm housing generator function for recuperation in the grade first			Battery Electric Vehicle - BEV / Touring		
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Installation location Voltage V 400 Net energy content kWh 81.2 Charging time for 0 -100% charge Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate) Charging unit Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase max. charging power alternating current (AC) three-phase max. charging power alternating current (AC) three-phase max. charging power					
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Net energy content Charging time for 0 -100% charge Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate) Charging unit Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase max. charging power alternating current (AC) three-phase max. charging power alternating current (AC) three-phase max. charging power			,		
Charging time for 0 -100% charge Charging time for 10-80% charge 30 min at 205 kW (DC, fast charging station) additional range after 10 minutes of DC charging (max. charging rate) Charging unit Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase max. charging power alternating current (AC) three-phase max. charging power alternating current (AC) three-phase max. charging power	Voltage	V	400		
Charging time for 10-80% charge 30 min at 205 kW (DC, fast charging station) additional range after 10 minutes of DC charging (max. charging rate) km 149 Charging unit Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power					
additional range after 10 minutes of DC charging (max. charging rate) km 149 Charging unit Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power		8.5 h			
Charging (max. charging rate) km 149 Charging unit Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power			30 min at 205 kW (DC, fast charging station)		
Charging unit Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power	_				
Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power	charging (max. charging rate)	km	149		
Type Combined Charging Unit (CCU) with integrated 3.5-kW vol converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power					
converter for supplying the 12-volt electrical system max. charging power alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power	Charging unit				
alternating current (AC) single-phase kW 7.4 (EU, CN, KR among others) / 11.0 (US, JP) max. charging power alternating current (AC) three-phase kW 22.0 max. charging power	Type				
max. charging power alternating current (AC) three-phase kW 22.0 max. charging power	= = :				
alternating current (AC) three-phase kW 22.0 max. charging power		kW	7.4 (EU, CN, KR among others) / 11.0 (US, JP)		
max. charging power					
	alternating current (AC) three-phase	kW	22.0		
direct current (DC) k/w/ 205	max. charging power				
unect current (DC) KW 205	direct current (DC)	kW	205		

		BMW i5 eDrive40 Touring		
Driving dynamics and safety				
Front wheel suspension	Double wishbone axle in aluminium construction with separated			
		lower control arm level; optional: electronically controlled shock		
		absorbers		
Rear wheel suspension	Five-link axle in aluminium construction, double elastic mou			
		air suspension with automatic self-levelling; optional:		
		electronically controlled dampers		
Brakes, front		Four-piston, fixed-caliper disc brakes, ventilated		
Brakes, rear		Single-piston, floating-caliper disc brakes, ventilated		
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction		
		Control), directly controlled wheel slip limitation, Cornering Brake		
		Assist CBC, Brake Assist DBC, Dry Brake Function, Fade		
		Compensation, Hill Start Control, Trailer Stability Control,		
		Performance Control; optional: Active Roll Stabilisation		
Safety equipment		Standard: Airbags for driver and passenger, side airbags for		
		driver and passenger, interaction airbag between driver and		
		passenger, front and rear head airbags, 3-point automatic-reel		
		belt on all seats, with seat belt stopper at front, seat belt		
		tensioner and seat belt force limiter at the front and the outside		
		rear seats, crash sensors, tyre pressure display		
Steering	Electrically assisted rack-and-pinion steering (EPS) with			
		Servotronic function and variable steering ratio; optional:		
		Integral Active Steering		
Overall steering ratio	:1			
Tyres, front/rear		245/45 R19 102Y XL / 275/40 R19 105Y XL		
Wheel rims, front/rear		8.5J x 19 LM / 10J x 19 LM		
Driving performance figures				
Acceleration 0-100 km/h (62	mph) s	6.1		
Top speed	km/h	193 (120 mph) (electronically limited)		
C				
Consumption / range	1-14/h /100 l			
Power consumption combined	kWh/100 km			
(WLTP)	(62 miles)			
Power consumption combined	kWh/100 km			
(NEDC)	(62 miles)			
Range (WLTP)	km	483 - 360		
Environmental features				
Emission rating		Electric vehicle		

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases All figures relating to mileage, consumption, emissions and range are provisional.

Fuel consumption, CO_2 emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

For vehicles which have been newly type-approved since 01.01.2021, official figures are only available according to WLTP. In addition, according to EU Regulation 2022/195, from 01.01.2023 the NEDC values in the EC certificates of conformity will no longer apply. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.de/wltp.

 $^{^{\}mbox{\tiny 1]}}$ When the Sport Boost or Launch Control function is activated

BMW 5 Series Touring. i5 M60 xDrive.

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		BMW i5 M60 xDrive Touring
Vehicle category Drive type / body variant		Battery Electric Vehicle - BEV / Touring
Body		
Number of doors/seats		5/5
Length/width/height (empty)	mm	5060 / 1900 / 1505
Wheelbase	mm	2995
Track width, front/rear	mm	1622 / 1625
Turning circle		11.9
Ground clearance, empty	m	137
	mm	
Vehicle curb weight (DIN/EU)	kg	2350 / 2425
Payload according to DIN	kg	610
Permitted total weight	kg	2960
Permitted axle loads, front/rear	kg	1430 / 1700
Permitted trailer load		
braked (12 %) / unbraked	kg	2000 / 750
Permitted roof load/permitted		
trailer nose weight	kg	100 / 80
Luggage compartment volume	- 1	570 - 1700
Drag coefficient	c _x x A	0.25 x 2.50
Drive		
Drive concept		Electric all-wheel drive, coordinated transmission of drive torque from one electric motor to the front and one to the rear wheels as needed, adaptive recuperation
System performance	kW/hp	380 / 517
System performance in My Mode Sport	kW/hp	442 / 601
System torque	Nm	795(820 ¹))
System power weight	kg/kW	5.3
	Kg/KVV	Automatic transmission, single-stage with fixed ratio
Transmission type		Automatic transmission, single-stage with fixed ratio
Electric motors		
Motor technology		Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housing, generator function for recuperation
Electric motor front		
Peak power according to ECE R 85	kW/hp	192 / 261
at motor speed	rpm	8000
max. torque	Nm	365
at motor speed	rpm	0 - 5000
Overall ratio	:1	8.774
Electric motor rear		
Peak power according to ECE R 85	kW/hp	250 / 340
at motor speed		8000
	rpm	430
max. torque	Nm	
at motor speed	rpm	0 - 5000
Overall ratio	:1	9.374
High voltage battery		
Battery technology		Lithium-ion
Installation location		Underbody
Voltage	V	400
Net energy content	kWh	81.2
Charging time for 0 -100% charge	8.5 I	h at 11 kW (16 A / 230 V, AC three-phase, Flexible Fast Charger)
Charging time for 0 -100% charge		4.25 h at 22 kW (32 A / 230 V, AC three-phase, wallbox)
Charging time for 10-80% charge		30 min at 205 kW (DC, fast charging station)
additional range after 10 minutes of DC		<u>, , , , , , , , , , , , , , , , , , , </u>
charging (max. charging rate)	km	142
Charging unit		
Type		Combined Charging Unit (CCU) with integrated 3.5-kW voltage converter for supplying the 12-volt electrical system
max. charging power alternating current (AC) single-phase	kW	7.4 (EU, CN, KR among others) / 11.0 (US, JP)
max. charging power alternating current (AC) three-phase	kW	22.0
max. charging power direct current (DC)	kW	205
מוופנו נטוופווג (טכן	KVV	203

		BMW i5 M60 xDrive Touring		
Driving dynamics and safety				
Front wheel suspension		Double wishbone axle in aluminium construction with separated		
·		lower control arm level, electronically controlled shock absorbers		
Rear wheel suspension		Five-link axle in aluminium construction, double elastic mounting,		
·		air suspension with automatic self-levelling, electronically		
		controlled dampers		
Brakes, front		Four-piston, fixed-caliper disc brakes, ventilated		
Brakes, rear		Single-piston, floating-caliper disc brakes, ventilated		
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction		
- , ,		Control), directly controlled wheel slip limitation, Cornering Brake		
		Assist CBC, Brake Assist DBC, Dry Brake Function, Fade		
		Compensation, Hill Start Control, Trailer Stability Control,		
		Performance Control; optional: Active Roll Stabilisation		
Safety equipment		Standard: Airbags for driver and passenger, side airbags for		
		driver and passenger, interaction airbag between driver and		
		passenger, front and rear head airbags, 3-point automatic-reel		
		belt on all seats, with seat belt stopper at front, seat belt		
		tensioner and seat belt force limiter at the front and the outside		
		rear seats, crash sensors, tyre pressure display		
Steering		Electrically assisted rack-and-pinion steering (EPS) with		
		Servotronic function and variable steering ratio, Integral Active		
		Steering		
Overall steering ratio	:1	15.7		
Tyres, front/rear		245/45 R19 102Y XL / 275/40 R19 105Y XL		
Wheel rims, front/rear		8.5J x 19 LM / 10J x 19 LM		
Driving performance figures				
Acceleration 0-100 km/h (62	? mph) s			
Top speed	km/h	230 (143 mph) (electronically limited)		
Consumption / range				
Power consumption combined	kWh/100 km			
(WLTP)	(62 miles)	20.8 - 18.3		
Power consumption combined	kWh/100 km			
(NEDC)	(62 miles)	<u>-</u>		
Range (WLTP)	km	445 - 506		
Environmental features				
Emission rating		Electric vehicle		

 $Technical specifications \ valid for \ ACEA \ markets \ / \ registration-related \ data \ only \ relevant \ to \ Germany \ in some \ cases \ All \ figures \ relating \ to \ mileage, \ consumption, \ emissions \ and \ range \ are \ provisional.$

Fuel consumption, CO_2 emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

For vehicles which have been newly type-approved since 01.01.2021, official figures are only available according to WLTP. In addition, according to EU Regulation 2022/195, from 01.01.2023 the NEDC values in the EC certificates of conformity will no longer apply. Further information on the WLTP and NEDC measurement procedures is also available at www.bmw.de/wltp.

 $^{^{\}rm 1)}$ When the M Sport Boost or M Launch Control function is activated

BMW 5 Series Touring. 520d.

	BMW 520d Touring		
		J J. J	
Body Number of doors/seats		5/5	
Length/width/height (empty)	mm	5/5	
Wheelbase	mm	2995	
Track width, front/rear	mm	1634 / 1668	
Turning circle	m	12.3	
Turning circle with Integral Active Stee	ring m	11.7	
Ground clearance, empty	mm	155	
Fuel tank capacity	approx. I	<u>60</u>	
Engine oil 1)		<u> </u>	
Unladen weight according to DIN/EU Payload according to DIN	kg	1835 / 1910 660	
Permitted total weight	kg kg	2495	
Permitted axle loads, front/rear	kg	1165 / 1430	
Perm. trailer load (12%) braked/unbra		2000 / 750	
Permitted roof load/permitted			
trailer nose weight	kg	100 / 100	
Luggage compartment capacity	I	570 - 1700	
Drag coefficient	cx x A	0.26 x 2.46	
Drive	B	T. I. D. C. T. L. T. L. L. M. M. C.	
Engine technology	and lo	TwinPower Turbo Technology: Multi-stage turbocharging, high ow-pressure charger with variable inlet geometry, common-rail injection with solenoid valve injectors (max. injection pressure: 2500 bar), 48-volt mild hybrid technology	
Power output / total ²⁾	kW/hp	145 / 197	
Torque / total ²⁾	Nm	400	
Combustion engine			
Type/no. of cylinders/valves		in-line / 4 / 4	
Capacity, effective	CC	1995	
Stroke/bore Compression	mm :1	90.0 / 84.0	
Fuel	- 11		
Nominal power output	kW/hp	145 / 197	
at engine speed	rpm	4000	
Nominal torque	Nm	400	
at engine speed	rpm	1500 - 2750	
Power output per litre	kW/l	72.7	
Electric motor			
Nominal power output	k\A//bn	8/11	
Nominal torque	kW/hp Nm	25	
Nominartorque	INIII		
Electrical system			
12 volt battery/installation location	Ah / –	70 / engine compartment	
48 volt battery/installation location	Ah / –	20 / Luggage compartment	
Driving dynamics and safety		11. 211 1.2. 1 2.1	
Front wheel suspension	Double wishbone axle in aluminium construction with separated lower control arm level; optional: electronically controlled shock absorbers		
Rear wheel suspension	Fi ⁻	ve-link axle in aluminium construction, double elastic mounting; optional: electronically controlled dampers	
Brakes, front		Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear Driving stability systems	Single-piston, floating-caliper disc brakes, ventilated Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), directly controlled wheel slip limitation, Cornering Brake Assist CBC, Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Start Control, Trailer Stability Control, Performance Control; optional:		
Safety equipment		Active Roll Stabilisation Standard: Airbors for driver and passanger, side airbors for	
Safety equipment	Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and passenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt tensioner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display		
Steering	Electrically assisted rack-and-pinion steering (EPS) with Servotronic function and variable steering ratio; optional: Integral Active Steering		
Overall steering ratio	:1	16.5	
Tyres, front/rear		225/55 R18 102Y XL	
Wheel rims, front/rear	7.5J × 18 light alloy		

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Transmission type				
Transmission type				BMW 520d Touring
Transmission type				
Sear ratio Sea				
II		type		· · · · · · · · · · · · · · · · · · ·
III	Gear ratio	ı		
IV :1 1.720				3.360
V :1 1.316 VI :1 1.000 VII :1 0.822 VIII :1 0.640 R :1 3.712 Rear axle ratio :1 3.077 Driving performance figures Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)		III	:1	2.172
VI :1 1.000 VII :1 0.822 VIII :1 0.640 R :1 3.712 Rear axle ratio :1 3.077 Priving performance figures Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)		IV	:1	1.720
VIII :1 0.822 VIII :1 0.640 R :1 3.712 Rear axle ratio :1 3.077		V	:1	1.316
Vill :1 0.640 R :1 3.712 Rear axle ratio :1 3.077		VI	:1	1.000
R :1 3.712 Rear axle ratio :1 3.077 Driving performance figures Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)		VII	:1	0.822
Priving performance figures Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)		VIII	:1	0.640
Driving performance figures Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP) I/100 km (62 miles) 5.9 - 5.3 total (NEDC) I/100 km (62 miles) - CO ₂ (WLTP) g/km 154 - 141 CO ₂ (NEDC) q/km -		R	:1	3.712
Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP) I/100 km (62 miles) 5.9 - 5.3 total (NEDC) I/100 km (62 miles) - CO ₂ (WLTP) g/km 154 - 141 CO ₂ (NEDC) q/km -	Rear axle ratio)	:1	3.077
Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP) I/100 km (62 miles) 5.9 - 5.3 total (NEDC) I/100 km (62 miles) - CO ₂ (WLTP) g/km 154 - 141 CO ₂ (NEDC) q/km -				
Weight-to-power ratio (DIN) kg/kW 12.7 Acceleration 0-100 km/h (62 mph) s 7.5 Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP) I/100 km (62 miles) 5.9 - 5.3 total (NEDC) I/100 km (62 miles) - CO ₂ (WLTP) g/km 154 - 141 CO ₂ (NEDC) q/km -	Driving perfor	mance figures		
Top speed km/h 220 BMW EfficientDynamics BMW EfficientDynamics BMW EfficientDynamics measures as standard Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)			kg/kW	12.7
BMW EfficientDynamics BMW EfficientDynamics measures as standard Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, map-controlled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)	Acceleration	0-100 km/h (62 mph) s	7.5
BMW EfficientDynamics measures as standard Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)	Top speed		km/h	220
BMW EfficientDynamics measures as standard Mild hybrid technology with 48-volt starter generator, brake energy recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle total (WLTP)				
recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle	BMW Efficient	Dynamics		
recuperation with recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, efficiency and weight-optimised all-wheel drive, rear axle and transfer gearbox with optimised efficiency, tyres with reduced rolling resistance, Blue Performance technology with SCR catalytic converter Fuel consumption in EU cycle	BMW Efficient	Dynamics	Mile	d hybrid technology with 48-volt starter generator, brake energy
total (WLTP) I/100 km (62 miles) 5.9 - 5.3 total (NEDC) I/100 km (62 miles) - CO ₂ (WLTP) g/km 154 - 141 CO ₂ (NEDC) g/km -			ret Pei Efi flo con rec	cuperation with recuperation indicator, Auto Start Stop function, resonal and Efficient modes with coasting function, Forward View Assist, shift display, electromechanical power steering, BMW ficientLightweight, optimised aerodynamic properties, active air appearance to demand, maptrolled oil pump, efficiency and weight-optimised all-wheel drive, ar axle and transfer gearbox with optimised efficiency, tyres with duced rolling resistance, Blue Performance technology with SCR
total (WLTP) I/100 km (62 miles) 5.9 - 5.3 total (NEDC) I/100 km (62 miles) - CO ₂ (WLTP) g/km 154 - 141 CO ₂ (NEDC) g/km -				
total (NEDC) I/100 km (62 miles) - CO ₂ (WLTP) g/km 154 - 141 CO ₂ (NEDC) g/km -				
CO2 (WLTP) g/km 154 - 141 CO2 (NEDC) g/km -				5.9 - 5.3
CO ₂ (NEDC) g/km -		I/*		-
				154 - 141
Emission rating Euro 6e			g/km	-
	Emission ratin	g		Euro 6e

Technical specifications valid for ACEA markets / registration-related data only relevant to Germany in some cases All mileage, consumption and emission figures are provisional.

Fuel consumption, CO_2 emission figures and power consumption as well as electric range were measured using the methods required according to Regulation VO (EC) 715/2007 as amended. Where a range is shown, the WLTP figures take into account the impact of any optional extras.

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¹⁾ Oil change amount

²⁾ Is made up of combustion engine drive (stated nominal value) and electric drive (up to stated nominal value)

³⁾ Data not yet available

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BMW 5 Series Touring. 520d xDrive.

		BMW 520d xDrive Touring		
Body				
Number of doors/seats		5/5		
Length/width/height (empty)	mm	5060 / 1900 / 1515		
Wheelbase	mm	2995		
Track width, front/rear	mm	1634 / 1668		
Turning circle	m	12.4		
Turning circle with Integral Active Stee	ering m	11.8		
Ground clearance, empty	mm	155		
Fuel tank capacity	approx. l	60		
Engine oil 1)	<u> </u>	3)		
Unladen weight according to DIN/EU	kg	1895 / 1970		
Payload according to DIN	kg	660		
Permitted total weight	kg	2555		
Permitted axle loads, front/rear	kg	1210 / 1430		
Perm. trailer load (12%) braked/unbro	aked kg	2000 / 750		
Permitted roof load/permitted	_			
trailer nose weight	kg	100 / 100		
Luggage compartment capacity		570 - 1700		
Drag coefficient	cx x A	0.26 x 2.46		
D • • • • • • • • • • • • • • • • • • •				
Drive	DMMT	nDower Turke Technology Multi-sters trust-sters!		
Engine technology		inPower Turbo Technology: Multi-stage turbocharging, high pressure charger with variable inlet geometry, common-rail		
		pressure charger with variable inlet geometry, common-rail ection with solenoid valve injectors (max. injection pressure		
	unect inje	2500 bar), 48-volt mild hybrid technology		
Power output / total ²⁾	kW/hp	145 / 197		
Torque / total ²⁾	Nm	400		
1014007 10141	14111	100		
Combustion engine				
Type/no. of cylinders/valves		in-line / 4 / 4		
Capacity, effective	СС	1995		
Stroke/bore	mm	90.0 / 84.0		
Compression	:1	16.5		
Fuel		Diesel		
Nominal power output	kW/hp	145 / 197		
at engine speed	rpm	4000		
Nominal torque	Nm	400		
at engine speed	rpm	1500 - 2750		
Power output per litre	kW/l	72.7		
· ·				
Electric motor				
Nominal power output	kW/hp	8/11		
Nominal torque	Nm	25		
Electrical system				
12 volt battery/installation location	Ah / –	70 / engine compartment		
48 volt battery/installation location	Ah / –	20 / Luggage compartment		
Driving dynamics and safety				
Front wheel suspension		e wishbone axle in aluminium construction with separated		
	lower	control arm level; optional: electronically controlled shock		
	-	absorbers		
Rear wheel suspension	Five-	link axle in aluminium construction, double elastic mounting		
D. J. C. J.		optional: electronically controlled dampers		
Brakes, front		Four-piston, fixed-caliper disc brakes, ventilated		
Brakes, rear	<u> </u>	Single-piston, floating-caliper disc brakes, ventilated		
Driving stability systems		d: DSC incl. ABS, ASC and DTC (Dynamic Traction Control),		
	directly controlled wheel slip limitation, Cornering Brake Assist CBC,			
	Brake Assist DBC, Dry Brake Function, Fade Compensation, Hill Starl Control, Trailer Stability Control, Performance Control; optional, DSC			
		i railer Stability Control, Performance Control; optional, DSC ith xDrive all-wheel drive; optional: Active Roll Stabilisation		
Safety equipment		andard: Airbags for driver and passenger, side airbags for		
Saicty equipment	driver and passenger, interaction airbag between driver and			
		senger, front and rear head airbags, 3-point automatic-reel		
	belt on all seats, with seat belt stopper at front, seat belt			
	tensioner and seat belt force limiter at the front and the outside			
	tens	rear seats, crash sensors. tvre pressure display		
Steering		rear seats, crash sensors, tyre pressure display Electrically assisted rack-and-pinion steering (EPS) with		
Steering	E	Electrically assisted rack-and-pinion steering (EPS) with		
Steering	E	Electrically assisted rack-and-pinion steering (EPS) with		
	E	Electrically assisted rack-and-pinion steering (EPS) with otronic function and variable steering ratio; optional: Integra		
Steering Overall steering ratio Tyres, front/rear	E Servo	Electrically assisted rack-and-pinion steering (EPS) with stronic function and variable steering ratio; optional: Integra Active Steering		

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			BMW 520d xDrive Touring
			BMW 3200 XDrive Tourning
Transmission			
Transmission t	ype		8-speed Steptronic transmission
Gear ratio	1	: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
Rear axle ratio		:1	3.077
Driving perform	nance figures		
Weight-to-pow		kg/kW	13.1
Acceleration	0-100 km/h (62 mr		7.5
Top speed		km/h	218
BMW Efficientl	D!		
BMW Efficient		Mild bybrid	technology with 48-volt starter generator, brake energy
measures as st	,	recuperatic Personal ar Assist, s EfficientLic flap contro controlled oi efficiency-o with optimis	technology with 48-volt starter generator, brake energy on with recuperation indicator, Auto Start Stop function, and Efficient modes with coasting function, Forward View hift display, electromechanical power steering, BMW phtweight, optimised aerodynamic properties, active air I, auxiliary units controlled according to demand, mapil pump, efficiency and weight-optimised all-wheel drive, ptimised all-wheel drive, rear axle and transfer gearbox sed efficiency, tyres with reduced rolling resistance, Blue ormance technology with SCR catalytic converter
Fuel consumpt	ion in El Loycle		
total (WLTP)		n (62 miles)	6.2 - 5.7
total (NEDC)		n (62 miles)	-
CO ₂ (WLTP)		g/km	163 - 149
CO ₂ (NEDC)		g/km	<u>-</u>

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