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# Technical specifications. BMW 5 Series Sedan. i5 eDrive40.



	BMW i5 eDrive40 Sedan				
Vehicle category					
Drive type / body variant		Battery Electric Vehicle - BEV / Sedan			
Body					
Number of doors/seats		4/5			
Length/width/height (empty)	mm	5060 / 1900 / 1515			
Wheelbase	mm	2995			
Track width, front/rear	mm	1622 / 1658			
Turning circle	m	12.3			
Turning circle with Integral Active Steeri		11.7			
Ground clearance, empty	mm	146			
Vehicle curb weight (DIN/EU)	kg	2130 / 2205			
Payload according to DIN	kg	610			
Permitted total weight	kg	2740			
Permitted axle loads, front/rear		1275 / 1605			
Permitted trailer load	kg	12737 1003			
	ko	1500 / 750			
braked (12 %) / unbraked Permitted roof load/permitted	kg	1500 / 750			
Permittea roof loaa/permittea trailer nose weight	ke	75 / 80			
	kg				
Luggage compartment volume  Drag coefficient	l	490			
Drag coefficient	c <sub>x</sub> x A	0.23 x 2.49			
Orive					
Drive concept		Electric drive, transmission of the drive torque of the electric motor to the rear wheels, adaptive recuperation			
System performance	kW/hp	230 / 313			
System performance in My Mode Sport	kW/hp	250 / 340			
System torque	Nm	400 (430 <sup>1)</sup> )			
System power weight	kg/kW	8.5			
Transmission type		Automatic transmission, single-stage with fixed ratio			
Electric motor					
Motor technology		Fifth-generation BMW eDrive technology:			
		Current-excited synchronous machine, electric motor, power			
		electronics and transmission each integrated in a common			
		housing, generator function for recuperation			
Peak power according to ECE R 85	kW/hp	250 / 340			
at motor speed	rpm	8000			
max. torque	Nm	430 <sup>1)</sup>			
at motor speed	rpm	0 – 5000			
Overall ratio	:1	11.115			
510.4					
High voltage battery					
Battery technology		Lithium-ion			
nstallation location		Underbody			
Voltage	V	400			
Net energy content	kWh	81.2			
Net energy content Charging time for 0 -100% charge		81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase)			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge		81.2			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional)		81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase)			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase)			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase)			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate)	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate) Charging unit	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station) 157 - 211			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate)  Charging unit	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station) 157 - 211  Combined Charging Unit (CCU) with integrated 3.5-kW voltage			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate) Charging unit Type	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station) 157 - 211			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate)  Charging unit Type max. charging power	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)  157 - 211  Combined Charging Unit (CCU) with integrated 3.5-kW voltage converter for supplying the 12-volt electrical system			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate)  Charging unit Type  max. charging power alternating current (AC) three-phase	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station) 157 - 211  Combined Charging Unit (CCU) with integrated 3.5-kW voltage			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate)  Charging unit Type  max. charging power alternating current (AC) three-phase (optional)	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)  157 - 211  Combined Charging Unit (CCU) with integrated 3.5-kW voltage converter for supplying the 12-volt electrical system			
Net energy content Charging time for 0 -100% charge Charging time for 0 -100% charge (optional) Charging time for 10-80% charge additional range after 10 minutes of DC charging (max. charging rate)  Charging unit Type  max. charging power alternating current (AC) three-phase (optional) max. charging power direct current (DC)	kWh	81.2 8:30 h at 11 kW (16 A / 230 V, AC three-phase) 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)  157 - 211  Combined Charging Unit (CCU) with integrated 3.5-kW voltage converter for supplying the 12-volt electrical system			

			BMW i5 eDrive40 Sedan			
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 mounting, 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			
Wheel rims, front/rear			8.5J x 19 LM			
Driving performance figures						
Acceleration 0-100 km/h (	52 mph)	S	6.0			
Top speed		km/h	193 (120 mph) (electronically limited)			
Consumption (WLTP combine	d)					
According to EnVKV		100 km	18.0 – 17.9			
Achievable in individual						
configuration	kWh/1	100 km	18.0 – 14.7			
Range (WLTP combined)						
According to EnVKV		km	512 – 513			
Achievable in individual		Kill	312 313			
configuration		km	512 – 627			
Environmental features						
Pass-by noise		dB(A)	66			
Emission rating		45(A)	Electric vehicle			
CO <sub>2</sub> class(es) acc. to Pkw-EnV	ΚV		A			
CO2 CIADS(CS) ACCITO I RW-LIIV			Π			

 $<sup>^{\</sup>rm 1]}$  When the Sport Boost or Launch Control function is activated

## BMW 5 Series Sedan. i5 xDrive40.

		BMW i5 xDrive40 Sedan
Vehicle category Drive type / body variant		Battery Electric Vehicle - BEV / Sedan
Body		
Number of doors/seats		4/5
Length/width/height (empty)	mm	5060 / 1900 / 1515
Wheelbase	mm	2995
Track width, front/rear	mm	1622 / 1658
Turning circle	m	11.8
Ground clearance, empty	mm	146
Vehicle curb weight (DIN/EU)	kg	2280 / 2355
Payload according to DIN	kg	610
Permitted total weight	kg	2890
Permitted axle loads, front/rear	kg	1430 / 1605
Permitted trailer load	l.a	2000 / 750
braked (12 %) / unbraked Permitted roof load/permitted	kg Kg	2000 / 750
trailer nose weight	Ny	75 / 80
Luggage compartment volume		490
Drag coefficient	c <sub>x</sub> x A	0.23 x 2.49
Drug coemcient	CXXA	0.23 x 2.43
Drive		
Drive concept		Electric all-wheel drive, coordinated transmission of drive torque rom one electric motor to the front and one to the rear wheels as needed, adaptive recuperation
System performance	kW/hp	290 / 394
System torque	Nm	590
System power weight	kg/kW	7.9
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	190 / 258
at motor speed	rpm	8000
max. torque	Nm	365
at engine speed	rpm	0 – 5000
Overall ratio	:1	8.774
Electric motor rear		
Peak power according to ECE R 85	kW/hp	230 / 313
at engine speed	rpm	8000
Torque	Nm	400
at engine 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		8:30 h at 11 kW (16 A / 230 V, AC three-phase)
Charging time for 0 -100% charge (optional)		4:15 h at 22 kW (32 A / 230 V, AC three-phase)
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	148 - 181
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) three-phase	kW	22.0
(optional) max. charging power		

		BMW i5 xDrive40 Sedan	
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; 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 drive	
		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 seal	
		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 Activ		
		Steering	
Overall steering ratio	:1	-	
Tyres, front/rear		245/45 R19 102Y XL	
Wheel rims, front/rear		8.5J x 19 light-alloy	
Driving performance figures			
Acceleration 0-100 km/h (62 mph)	S		
Top speed	km/h	215 (134 mph) (electronically limited)	
Consumption (WLTP combined)			
According to EnVKV	kWh/100 km	18.9 – 18.8	
Achievable in individual			
configuration	kWh/100 km	18.9 – 15.8	
Range (WLTP combined)			
According to EnVKV	km	486 – 488	
Achievable in individual			
configuration	km	486 – 580	
Environmental features			
Pass-by noise	dB(A)	68	
Emission rating	()	Electric vehicle	

## BMW 5 Series Sedan. i5 M60 xDrive.

	BMW i5 M60 xDrive Sedan			
Vehicle category				
Drive type / body variant		Battery Electric Vehicle - BEV / Sedan		
Body				
Number of doors/seats		4/5		
_ength/width/height (empty)	mm	5060 / 1900 / 1505		
Wheelbase	mm	2995		
Frack width, front/rear	mm	1634 / 1624		
Turning circle	m	11.9		
Ground clearance, empty	mm	136		
/ehicle curb weight (DIN/EU)	kg	2305 / 2380		
Payload according to DIN		590		
· · · · · · · · · · · · · · · · · · ·	kg			
Permitted total weight	kg	2895		
Permitted axle loads, front/rear	kg	1430 / 1605		
Permitted trailer load				
oraked (12 %) / unbraked	kg	2000 / 750		
Permitted roof load/permitted				
railer nose weight	kg	75 / 80		
Luggage compartment volume	- 1	490		
Orag coefficient	c <sub>x</sub> x A	0.25 x 2.49		
Drive				
Drive concept		Electric all-wheel drive, coordinated transmission of drive torqu from one electric motor to the front and one to the rear wheels a		
		needed, adaptive recuperation		
System performance	kW/hp	380 / 517		
System performance in My Mode Sport	kW/hp	442 / 601		
System torque	Nm	795( 820 <sup>1)</sup> )		
System power weight	kg/kW	5.2		
		A . to another transmission of a long at a south fixed matic		
ransmission type		Automatic transmission, single-stage with fixed ratio		
Electric motors		Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power		
Transmission type  Electric motors  Motor technology	E	Fifth-generation BMW eDrive technology:		
Electric motors  Motor technology  Electric motor front		Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housingenerator function for recuperation		
Electric motors  Motor technology  Electric motor front  Peak power according to ECE R 85	kW/hp	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housin generator function for recuperation 192 / 261		
Electric motors  Motor technology  Electric motor front  Peak power according to ECE R 85	kW/hp	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housi generator function for recuperation  192 / 261 8000		
Electric motors  Motor technology  Electric motor front  Peak power according to ECE R 85 at motor speed	kW/hp	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housingenerator function for recuperation		
Electric motors  Motor technology  Electric motor front  Peak power according to ECE R 85 at motor speed nax. torque	kW/hp	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housi generator function for recuperation  192 / 261 8000		
Electric motors Motor technology Electric motor front Peak power according to ECE R 85 at motor speed max. torque at motor speed	kW/hp rpm Nm	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housin generator function for recuperation  192 / 261 8000 365		
Electric motors  Motor technology  Electric motor front  Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio	kW/hp rpm Nm rpm	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  192 / 261 8000 365 0 – 5000		
Electric motors  Motor technology  Electric motor front  Peak power according to ECE R 85  It motor speed  max. torque It motor speed  Overall ratio  Electric motor rear	kW/hp rpm Nm rpm	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  192 / 261 8000 365 0 – 5000		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed nax. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85	kW/hp rpm Nm rpm :1	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  192 / 261 8000 365 0 – 5000 8.774		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed nax. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed	kW/hp rpm Nm rpm :1	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  192 / 261 8000 365 0 – 5000 8.774  250 / 340 8000		
Electric motors  Motor technology  Electric motor front  Peak power according to ECE R 85  at motor speed  nax. torque at motor speed  Overall ratio  Electric motor rear  Peak power according to ECE R 85  at motor speed  nax. torque	kW/hp rpm Nm rpm :1 kW/hp rpm	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  192 / 261 8000 365 0 – 5000 8.774  250 / 340 8000 430		
Electric motors Motor technology  Electric motor front Peak power according to ECE R 85 Int motor speed Inax. torque Int motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 Int motor speed	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm	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  192 / 261 8000 365 0 – 5000 8.774  250 / 340 8000 430 0 – 5000		
Electric motors Motor technology  Electric motor front Peak power according to ECE R 85 Int motor speed Inax. torque Int motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 Int motor speed	kW/hp rpm Nm rpm :1 kW/hp rpm	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  192 / 261 8000 365 0 – 5000 8.774  250 / 340 8000 430		
Electric motors Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed nax. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed nax. torque at motor speed hower according to ECE R 85 at motor speed hox. torque at motor speed Diverall ratio	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm	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  192 / 261 8000 365 0 – 5000 8.774  250 / 340 8000 430 0 – 5000		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed clectric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio  High voltage battery	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm	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  192 / 261 8000 365 0 – 5000 8.774  250 / 340 8000 430 0 – 5000 9.374		
Electric motors Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed nax. torque at motor speed Description Electric motor rear Peak power according to ECE R 85 at motor speed nax. torque at motor speed hoverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed nax. torque at motor speed Description Electric motor rear Peak power according to ECE R 85 at motor speed Description Electric motor rear Peak power according to ECE R 85 at motor speed Description Electric motor rear Peak power according to ECE R 85 at motor speed Electric motor rear Peak power according to ECE R 85 at motor speed Electric motor rear Peak power according to ECE R 85 at motor speed Electric motor rear Peak power according to ECE R 85 Electric motor rear Peak power according to ECE R 85 Electric motor rear Peak power according to ECE R 85 Electric motor speed Electric motor rear Peak power according to ECE R 85 Electric motor rear Peak power according to ECE R 85 Electric motor rear Peak power according to ECE R 85 Electric motor rear Peak power according to ECE R 85 Electric motor rear Peak power according to ECE R 85 Electric motor speed Electric motor sp	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 It motor speed Inax. torque It motor speed Deerall ratio Electric motor rear Peak power according to ECE R 85 It motor speed Inax. torque It motor speed Deerall ratio Electric motor rear Peak power according to ECE R 85 It motor speed Deerall ratio Electric motor speed Deerall ratio Electric motor speed Electric motor rear	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm :1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio  Eligh voltage battery Eligh voltage battery Eligh voltage	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm :1 V	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio  Eligh voltage battery Eligh voltage battery Eligh voltage Electric motor rear  Electric motor rear  Electric motor rear  Electric motor rear  Electric motor speed Diverall ratio  Electric motor speed Diverall ratio	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm :1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1:1	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400 81.2		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 Int motor speed Inax. torque Int motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 Int motor speed Inax. torque Int motor speed Intervention Interve	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm :1 V	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400 81.2 4:15 h at 22 kW (32 A / 230 V, AC three-phase)		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 Int motor speed Inax. torque Int motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 Int motor speed Inax. torque Int motor speed Intervention Interve	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm :1 V	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400 81.2		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed nax. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed nax. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed nax. torque at motor speed Diverall ratio  Eligh voltage battery Estatery technology Installation location  Moltage Elet energy content Charging time for 0 -100% charge Charging time for 10-80% charge Inditional range after 10 minutes of DC	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm :1 V	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400 81.2 4:15 h at 22 kW (32 A / 230 V, AC three-phase)		
Electric motors Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed max. torque at motor speed Decard ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed max. torque at motor speed Decard ratio  High voltage battery Battery technology Installation location Foltage Wet energy content Charging time for 0 -100% charge Charging time for 10-80% charge Indictional range after 10 minutes of DC Charging (max. charging rate)	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm V kWh	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housi generator function for recuperation  192 / 261 8000 365 0 – 5000 8.774  250 / 340 8000 430 0 – 5000 9.374  Lithium-ion Underbody 400 81.2 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)		
Electric motors	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm V kWh	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400 81.2 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)  145 - 174  Combined Charging Unit (CCU) with integrated 3.5-kW voltage		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed max. torque at motor speed Diverall ratio  High voltage battery Battery technology mstallation location Voltage Net energy content Charging time for 0 -100% charge additional range after 10 minutes of DC charging (max. charging rate)  Charging unit	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm V kWh	Fifth-generation BMW eDrive technology: Current-excited synchronous machines, electric motor, power electronics and transmission each integrated in a common housi generator function for recuperation  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400 81.2 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)		
Electric motors  Motor technology  Electric motor front Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio Electric motor rear Peak power according to ECE R 85 at motor speed max. torque at motor speed Diverall ratio  High voltage battery Battery technology Installation location Voltage Net energy content Charging time for 0 -100% charge Charding time for 10-80% charge additional range after 10 minutes of DC Charging unit Type  max. charging power	kW/hp rpm Nm rpm :1 kW/hp rpm Nm rpm :1 V kWh	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  192 / 261 8000 365 0 - 5000 8.774  250 / 340 8000 430 0 - 5000 9.374  Lithium-ion Underbody 400 81.2 4:15 h at 22 kW (32 A / 230 V, AC three-phase) 30 min at 205 kW (DC, fast charging station)  145 - 174  Combined Charging Unit (CCU) with integrated 3.5-kW voltage converter for supplying the 12-volt electrical system		

		BMW i5 M60 xDrive Sedan
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 light-alloy/ 10J x 19 light-alloy
Driving performance figures		
Acceleration 0-100 km/h (62	mph) s	3.8
Top speed	km/h	230 (143 mph) (electronically limited)
Consumption (WLTP combined)		
According to EnVKV	kWh/100 km	19.5
Achievable in individual		
configuration	kWh/100 km	19.5 – 17.1
Range (WLTP combined)		
According to EnVKV	km	472 – 473
Achievable in individual		-
configuration	km	472 – 540
Environmental features		
Pass-by noise	dB(A)	68
Emission rating	(- )	Electric vehicle

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

#### BMW 5 Series Sedan. 530e.

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		PMW 520a Sadan
		BMW 530e Sedan
Body		
No. of doors / seats		4/5
Length/width/height (unladen)	mm	5060 / 1900 / 1515
Wheelbase	mm	2995
Track, front/rear Ground clearance	mm	1622 / 1658 146
Turning circle	mm m	12.3
Fuel tank capacity	approx. l	60
Weight, unladen, to DIN/EU	kg	2005 / 2080
Max. load to DIN	kg	650
Max. permissible weight	kg	2655
Max. axle load, front/rear	kg	1275 / 1510
Max. trailer load		
braked (12%)/unbraked	kg	1800 / 750
Max. roofload/towbar download	kg	75 / 100
Luggage comp. capacity	I	520
Air resistance	cx x A	0.24 x 2.46
Data acceptant		
Drive system  Drive consent	الساما المالة	d drive drive torque from and ar hath sources
Drive concept	(petrol	d drive, drive torque from one or both sources engine/electric motor) sent to rear wheels
System output 1) System torque 1)	kW/hp	220 / 299
System torque " System power-to-weight ratio (DIN)	Nm kg/kW	450 9.1
System power-to-weight fullo (DIN)	Ng/ NVV	5.1
Combustion engine		
Config./No. of cyls./valves		In-line / 4 / 4
Engine technology	Pre	W TwinPower Turbo technology: turbocharger, High ecision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity	СС	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.6
Fuel		min. RON 91
Nominal power	kW/hp	140 / 190
at	rpm	4400 – 6500
Nominal torque	Nm	310
at	rpm	1500 – 4000
Output per litre	kW/l	70.1
Electric motor		
Engine technology	stage integrated function for r	nology: synchronous electric motor with pre-gearing into eight-speed Steptronic transmission, generator ecuperating energy for the high-voltage battery
Nominal power	kW/hp	135 / 184
Nominal torque	rpm Nm	
Nominal torque		
at  Effective torque through pre-gearing stage	rpm Nm	450
Effective torque timough pre-gedning stage	IVIII	430
High-voltage battery		
Storage technology / installation		Lithium-ion / underfloor
Voltage	V	347,5
Capacity (gross / net)	kWh	22.1 / 19.4
max. charging power		
alternating current (AC) three-phase	kW	11
Charging time for 0 – 100 % charge Charging time for 0 – 100 % charge		3:15 h at 7.4 kW (32 A / 230 V / 1ph.) 2:15 h at 11 kW (16 A / 230 V / 3ph.)
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	5.500
II	ı :1	3.520
	:1	2.200
IV	:1	1.720
V	:1	1.301
	:1	1.000
VII	:1	0.833
VIII	:1	0.640
R	:1	4.543
		-

		BMW 530e Sedan		
Driving Dynamics and Safety				
Suspension, front	Double wishbone ax	le in aluminium construction with separated lower		
Suspension, front		el; optional: electronically controlled dampers		
Suspension, rear		minium construction, double elastic mounting, air		
305pc3.0, . ca.		automatic self-levelling; optional: electronically		
		controlled dampers		
Brakes, front	Vented dis	c brakes, with four-piston fixed callipers		
Brakes, rear		prakes, with single-piston floating callipers		
Driving stability systems		ABS, ASC and DTC (Dynamic Traction Control),		
briving stability systems		ar-actuator wheel slip limitation), CBC (Cornering		
	- 1	C (Dynamic Brake Control), Dry Braking function,		
		tion, drive-off assistant, trailer stability control,		
		Control; optional: active roll stabilisation		
Safety equipment		r driver and passenger, side airbags for driver and		
- a ,	_	on airbag between driver and passenger, front and		
		3-point automatic-reel belt on all seats, with seat		
		seat belt tensioner and seat belt force limiter at the		
		e rear seats, crash sensors, tyre pressure display		
Steering		Electric Power Steering (EPS)		
		ronic function and variable steering ratio;		
		otional: Integral Active Steering		
Steering ratio, overall	:1	16.5		
Tyres, front/rear		245/45 R19 102Y XL		
Rims, front/rear		8.5J x 19 light-alloy		
Timis, monoreur		0.57 × 15 light unoy		
Performance				
Acceleration 0–100 km/h	S	6.3		
Top speed	km/h	230 (143 mph)		
Top speed electric	km/h	140 (87 mph)		
Electric range (WLTP)	km	94 – 105		
Electric range (Pkw-EnVKV)	km	94		
Licetic range (FRW Envio	KIII			
BMW EfficientDynamics				
BMW EfficientDynamics	BMW eDrive techn	ology, adaptive Brake Energy Regeneration with		
standard features		Electric Power Steering, hybrid-specific Auto Start		
		num Shift Indicator in manual shift mode, coasting		
	function, Proactive Driving Assistant, BMW EfficientLightweight,			
	optimised aerodynamic attributes, active air flap control, on-demand			
	operation of ancillary units, map-regulated oil pump, differential with			
		behaviour, tyres with reduced rolling resistance		
Fuel Consumption ECE				
Fuel cons., weighted combined (WLTP)	l/100 km	0.8 – 0.6		
CO <sub>2</sub> -emissions from fuel (WLTP)	g/km	17 – 13		
Electric power consumption				
weighted combined (WLTP)	kWh/100 km	21.9 – 19.4		
Fuel cons., weighted combined (Pkw-En	VKV) I/100 km	0.8		
CO <sub>2</sub> -emissions from fuel (Pkw-EnVKV)	g/km	17		
Electric power consumption				
weighted combined (Pkw-EnVKV)	kWh/100 km	21.9		
Environmental features				
Pass-by noise	dB(A)	65		
Emission rating		Euro 6e		
CO <sub>2</sub> class(es) weighted combined (Pkw-		B		
CO <sub>2</sub> class(es) w. discharged batt. (Pkw-E	=nvKVj	F – E		

<sup>&</sup>lt;sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

#### BMW 5 Series Sedan. 530e xDrive.

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		BMW 530e xDrive Sedan
D. J.		
Body No. of doors / seats		4/5
Length/width/height (unladen)	mm	5060 / 1900 / 1515
Wheelbase	mm mm	2995
Track, front/rear		1622 / 1658
Ground clearance	mm	146
	mm	12.4
Turning circle Fuel tank capacity	approx. l	60
Weight, unladen, to DIN/EU	kg	2055 / 2130
Max. load to DIN	kg	675
Max. permissible weight	kg kg	2730
Max. axle load, front/rear	kg kg	1320 / 1525
Max. trailer load	, ky	13207 1323
braked (12%)/unbraked	kg	2000/750
Max. roofload/towbar download	kg kg	75 / 100
Luggage comp. capacity		520
Air resistance	cx x A	0.24 x 2.46
All resistance	CAAA	0.24 X 2.40
Drive system		
Drive concept	Full hybri	d drive, drive torque from one or both sources
5 6066p.		lectric motor) sent to all four wheels via BMW xDrive
System output 1)	kW/hp	220 / 299
System torque 1)	Nm	450
System power-to-weight ratio (DIN)	kg/kW	9.3
<u>-,</u>		
Combustion engine		
Config./No. of cyls./valves		In-line / 4 / 4
Engine technology	BM	IW TwinPower Turbo technology: turbocharger, High
5		ecision Injection, VALVETRONIC fully variable valve
		timing, Double-VANOS variable camshaft timing
Effective capacity	СС	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.6
Fuel		min. RON 91
Nominal power	kW/hp	140 / 190
at	rpm	4400 – 6500
Nominal torque	Nm	310
at	rpm	1500 – 4000
Output per litre	kW/l	70.1
output per mile		, •
Electric motor		
Engine technology	BMW eDrive tech	hnology: synchronous electric motor with pre-gearing
5 51		l into eight-speed Steptronic transmission, generato
	function for	recuperating energy for the high-voltage battery
Nominal power	kW/hp	135 / 184
at	rpm	7000
Nominal torque	Nm	250
at	rpm	100 – 5500
Effective torque through pre-gearing stage	Nm	450
		·••
High-voltage battery		
Storage technology / installation		Lithium-ion / underfloor
Voltage	V	347,5
Capacity (gross / net)	kWh	22.1 / 19.4
max. charging power		
alternating current (AC) three-phase	kW	11
Charging time for 0 – 100 % charge		3:15 h at 7.4 kW (32 A / 230 V / 1ph.)
Charging time for 0 – 100 % charge		2:15 h at 11 kW (16 A / 230 V / 3ph.)
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	5.500
II	:1	3.520
	:1	2.200
IV	:1	1.720
V	:1	1.301
	:1	1.000
VII	:1	0.833
VIII	:1	0.640
R	:1	4.543
11		ערטור

		BMW 530e xDrive Sedan
Driving Dynamics and Safety		
Suspension, front	Double wishbone avl	e in aluminium construction with separated lower
. ,	control arm leve	l; optional: electronically controlled dampers
Suspension, rear		ninium construction, double elastic mounting, air utomatic self-levelling; optional: electronically
		controlled dampers
Brakes, front		brakes, with four-piston fixed callipers
Brakes, rear		rakes, with single-piston floating callipers
Driving stability systems	ARB technology (ned Brake Control), DBC fading compensat	ABS, ASC and DTC (Dynamic Traction Control), ar-actuator wheel slip limitation), CBC (Cornering (Dynamic Brake Control), Dry Braking function, ion, drive-off assistant, trailer stability control, DSC linked with xDrive all-wheel drive; optional: active roll stabilisation
Safety equipment	passenger, interactio rear head airbags, 3 belt stopper at front, s	r driver and passenger, side airbags for driver and nairbag between driver and passenger, front and i-point automatic-reel belt on all seats, with seat leat belt tensioner and seat belt force limiter at the erear seats, crash sensors, tyre pressure display
Steering	E with Servotr	Electric Power Steering (EPS) onic function and variable steering ratio; itional: Integral Active Steering
Steering ratio, overall	:1	15.7
Tyres, front/rear		245/45 R19 102Y XL
Rims, front/rear		8.5J x 19 light-alloy
Performance		
Acceleration 0–100 km/h	S	6.3
Top speed	km/h	225 (140 mph)
Top speed electric	km/h	140 (87 mph)
Electric range (WLTP) Electric range (Pkw-EnVKV)	km km	83 – 95 83
Electric runge (FRW-EliVRV)	KIII	03
BMW EfficientDynamics		
BMW EfficientDynamics standard features	recuperation display, Stop function, Optim function, Proactive optimised aerodyna operation of ancil optimised all-wh	ology, adaptive Brake Energy Regeneration with Electric Power Steering, hybrid-specific Auto Star um Shift Indicator in manual shift mode, coasting e Driving Assistant, BMW EfficientLightweight, mic attributes, active air flap control, on-demand lary units, map-regulated oil pump, efficiency- eel drive, differential with optimised warm-up r, tyres with reduced rolling resistance
Fuel Consumption ECE		
Fuel cons., weighted combined (WLTP)	l/100 km	0.9 – 0.7
CO <sub>2</sub> -emissions from fuel (WLTP)	g/km	21 – 17
Electric power consumption	MM-/100 I	22.2.24.4
weighted combined (WLTP)	kWh/100 km	23.3 – 21.1
Fuel cons., weighted combined (Pkw-En\ CO <sub>2</sub> -emissions from fuel (Pkw-EnVKV)		1.0
CO <sub>2</sub> -emissions from ruei (PKW-EnVKV) Electric power consumption	g/km	22
weighted combined (Pkw-EnVKV)	kWh/100 km	23.3
Environmental features		
Pass-by noise	dB(A)	65
Emission rating	6 9	Euro 6e
	- 1000	
$CO_2$ class(es) weighted combined (Pkw-E	<u>-nVKVJ</u>	В

<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

#### BMW 5 Series Sedan. 550e xDrive.

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		DMM FFO a vibra Cadan
		BMW 550e xDrive Sedan
Body		
No. of doors / seats		4/5
Length/width/height (unladen)	mm	5060 / 1900 / 1515 2995
Wheelbase Track, front/rear	mm mm	1622 / 1658
Ground clearance	mm	146
Turning circle	m	11.8
Fuel tank capacity	approx. I	60
Weight, unladen, to DIN/EU	kg	2155 / 2230
Max. load to DIN	kg	650
Max. permissible weight	kg	2805
Max. axle load, front/rear	kg	1380 / 1525
Max. trailer load		2000 (750
braked (12%)/unbraked	kg	2000 / 750
Max. roofload/towbar download  Luggage comp. capacity	kg I	75 / 100 520
Air resistance	cx x A	0.24 x 2.46
All resistance	CAAA	0.24 X 2.40
Drive system		
Drive concept	Full hybric	drive, drive torque from one or both sources
		ectric motor) sent to all four wheels via BMW xDrive
System output 1)	kW/hp	360 / 489
System torque 1)	Nm	700
System power-to-weight ratio (DIN)	kg/kW	6.0
Combination analysis		
Combustion engine		In-line / 6 / 4
Config./No. of cyls./valves Engine technology	DM\	W TwinPower Turbo technology: turbocharger, High
Engine technology		ecision Injection, VALVETRONIC fully variable valve
		timing, Double-VANOS variable camshaft timing
Effective capacity	СС	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		min. RON 91
Nominal power	kW/hp	230 / 313
at	rpm	5000 – 6500
Nominal torque	Nm	450
at	rpm	1750 – 4700
Output per litre	kW/I	76.7
Electric motor		
Engine technology	RMW eDrive tech	nology: synchronous electric motor with pre-gearing
Engine teemiology		into eight-speed Steptronic transmission, generator
		ecuperating energy for the high-voltage battery
Nominal power	kW/hp	145 / 197
at	rpm	7000
Nominal torque	Nm	280
at	rpm	100 – 5500
Effective torque through pre-gearing stage	Nm	450
High-voltage battery		1911 1 - 7 - 1 - 6
Storage technology / installation	V	Lithium-ion / underfloor
Voltage Capacity (gross / net)		347,5 22.1 / 19.0
max. charging power	kWh	22.17 19.0
alternating current (AC) three-phase	kW	11
Charging time for 0 – 100 % charge	KVV	3:15 h at 7.4 kW (32 A / 230 V / 1ph.)
Charging time for 0 – 100 % charge		2:15 h at 11 kW (16 A / 230 V / 3ph.)
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	5.500
	:1	3.520
	:1	2.200
IVV	:1 :1	1.720 1.301
V	:1 :1	1.301
VII	;1 :1	0.833
VIII	:1	0.640
R	:1	4.543
		-11.2 1.2

		BMW 550e xDrive Sedan			
Driving Dynamics and Safaty					
Driving Dynamics and Safety Suspension, front	Double wishbone axle	in aluminium construction with separated lower			
Suspension, none		evel, electronically controlled dampers			
Suspension, rear	Five-link axle in aluminium construction, double elastic mounting,				
555pc5.6, . ca.		utomatic self-levelling, electronically controlled			
	an sospension man	dampers			
Brakes, front	Vented disc	brakes, with four-piston fixed callipers			
Brakes, rear	Vented disc br	akes, with single-piston floating callipers			
Driving stability systems	Standard: DSC incl. A	ABS, ASC and DTC (Dynamic Traction Control),			
briving stability systems		r-actuator wheel slip limitation), CBC (Cornering			
		(Dynamic Brake Control), Dry Braking function,			
		on, drive-off assistant, trailer stability control,			
		DSC linked with xDrive all-wheel drive; optional:			
		active roll stabilisation			
Safety equipment	Standard: Airbaas for	driver and passenger, side airbags for driver and			
, , , , , ,	_	airbag between driver and passenger, front and			
		point automatic-reel belt on all seats, with seat			
	• .	eat belt tensioner and seat belt force limiter at the			
		rear seats, crash sensors, tyre pressure display			
Steering	Electric Power St	teering (EPS) with Servotronic function and			
	variable st	eering ratio, Integral Active Steering			
Steering ratio, overall	:1	15.7			
Tyres, front/rear		245/45 R19 102Y XL			
Rims, front/rear		8.5J x 19 light-alloy			
		<u> </u>			
Performance					
Acceleration 0–100 km/h	S	4.3			
Top speed	km/h	250 (155 mph)			
Top speed electric	km/h	140 (87 mph)			
Electric range (WLTP)	km	84 – 93			
Electric range (Pkw-EnVKV)	km	84			
BMW EfficientDynamics					
BMW EfficientDynamics		ogy, adaptive Brake Energy Regeneration with			
standard features		lectric Power Steering, hybrid-specific Auto Start			
		m Shift Indicator in manual shift mode, coasting			
		Driving Assistant, BMW EfficientLightweight,			
		nic 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				
	benaviour,	tyres with reduced rolling resistance			
Energy Consumption ECE					
Fuel cons., weighted combined (WLTP)	I/100 km	1.0 – 0.8			
CO <sub>2</sub> -emissions from fuel (WLTP)	g/km	23 – 18			
Electric power consumption	y/Kiii	23 10			
weighted combined (WLTP)	kWh/100 km	24.1 – 21.3			
Fuel cons., weighted combined (Pkw-En		1.0			
CO <sub>2</sub> -emissions from fuel (Pkw-EnVKV)	g/km	23			
Electric power consumption	y/kiii	23			
weighted combined (Pkw-EnVKV)	kWh/100 km	24.1			
	ATT. JOOKIN	<u></u>			
Environmental features					
Pass-by noise	dB(A)	67			
Emission rating		Euro 6e			
CO <sub>2</sub> class(es) weighted combined (Pkw-CO <sub>2</sub> class(es) w. discharged batt. (Pkw-l		B G – F			

<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

## BMW 5 Series Sedan. 520i.

		BMW 520i Sedan	
Body		/ / 5	
Number of doors/seats Length/width/height (empty)	mm	4/5 5060/1900/1515	
Wheelbase	mm	2995	
Track width, front/rear	mm	1634 / 1669	
Turning circle	m	12.3	
Turning circle with Integral Active Stee		11.7	
Ground clearance, empty	mm	154	
Fuel tank capacity	approx. I	60	
Engine oil	I	6.3	
Unladen weight according to DIN/EU	kg	1725 / 1800	
Payload according to DIN	kg	610	
Permitted total weight	kg	2335	
Permitted axle loads, front/rear	kg	1165 / 1320	
Perm. trailer load (12%) braked/unbra		2000 / 750	
Perm. roof load/perm. trailer nose weig		75 / 100	
Luggage compartment capacity	<u> </u>	520	
Drag coefficient	cx x A	0.24 x 2.46	
Drive			
Engine technology		TwinPower Turbo Technology: Turbocharger, direct injection	
		Precision Injection, fully variable valve control VALVETRONIC,	
		riable camshaft control Double-VANOS, 48-volt mild hybrid	
Devices extensity ( to to 1.1)		nnology with an electric motor integrated in the transmission	
Power output / total 1)	kW/hp	153 / 208	
Torque / total 1)	Nm	330	
Combustion engine			
Type/no. of cylinders/valves		in-line / 4 / 4	
Capacity, effective	СС	1998	
Stroke/bore	mm	94.6 / 82.0	
Compression	:1	11.6	
Fuel		min RON 91	
Nominal power output	kW/hp	140 / 190	
at engine speed	rpm	4400 – 6500	
Nominal torque	Nm	310	
at engine speed	rpm	1500 – 4000	
Power output per litre	kW/l	70.1	
Electric motor			
Nominal power output	kW/hp	13 / 18	
Nominal torque	Nm	200 (148 lb-ft)	
Electrical system	A1. /	70 /	
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		ouble wishbone axle in aluminium construction with separated	
	lo	ower control arm level; optional: electronically controlled shock	
		absorbers	
Rear wheel suspension	Five-link axle in aluminium construction, double elastic mounting		
B. J ( )		optional: electronically controlled dampers	
Brakes, front		Four-piston, fixed-caliper disc brakes, ventilated	
Brakes, rear	C	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 Star		
	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	
Charles to a		rear seats, crash sensors, tyre pressure display	
Steering		Electric Power Steering (EPS) with Servotronic function and	
Overall steering ratio	.1	variable steering ratio; optional: Integral Active Steering 15.2	
Overall steering ratio	:1	15.2 225/55 R18 102Y XL	
Tyres, front/rear			
Wheel rims, front/rear		7.5J × 18 light alloy	

		BMW 520i Sedan
Transmission		
Transmission type		8-speed Steptronic transmission
Gear ratio I	:1	5.250
	: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 performance figures		
Weight-to-power ratio (DIN)	kg/kW	11.3
Acceleration 0-100 km/h (62 mph)	S	7.5
Top speed	km/h	230 (143 mph)
BMW EfficientDynamics		
BMW EfficientDynamics	48-vo	It mild hybrid technology, Brake Energy Regeneration with
measures as standard	recuperation indicator, Auto Start Stop function, Personal and Efficient modes with coasting function, Forward View Assist, Shift Point Display, electromechanical power steering, BMW EfficientLightweight, optimised aerodynamic properties, active air flap control, auxiliary units controlled according to demand, mapcontrolled oil pump, axle drive with optimised warm-up properties, tyres with reduced rolling resistance	
Consumption (WLTP combined)		
Achievable in individual configuration	I/100 km	6.4 – 5.8
According to EnVKV	I/100 km	6.4
CO <sub>2</sub> emissions (WLTP combined)		
Achievable in individual configuration	g/km	144 – 130
According to EnVKV	g/km	144
Environmental features		
Pass-by noise	dB(A)	67
Emission rating		Euro 6e
CO2 class(es) weighted comb. (Pkw-	EnVKV)	E – D

 $<sup>^{1)}</sup>$  Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

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

		BMW 520d Sedan	
Body			
Number of doors/seats		4/5	
Length/width/height (empty)	mm	5060 / 1900 / 1515	
Wheelbase	mm	2995	
Track width, front/rear	mm	1634 / 1669	
Turning circle Turning circle with Integral Active Stee	m rino m	12.3 11.7	
Turning circle with integral Active Stee Ground clearance, empty	ring m mm	11.7	
Fuel tank capacity	approx. l	60	
Engine oil	ирргох. і	7.5	
Unladen weight according to DIN/EU	kg	1775 / 1850	
Payload according to DIN	kg	630	
Permitted total weight	kg kg	2405	
Permitted axle loads, front/rear	kg	1165 / 1360	
Perm. trailer load (12%) braked/unbra		2000 / 750	
Permitted roof load/permitted			
trailer nose weight	kg	75 / 100	
Luggage compartment capacity	Ī	520	
Drag coefficient	cx x A	0.24 x 2.46	
<b>Drive</b> Engine technology	and lov	winPower Turbo Technology: Multi-stage turbocharging, high v-pressure charger with variable inlet geometry, common-rail njection with solenoid valve injectors (max. injection pressure:	
		2500 bar), 48-volt mild hybrid technology	
Power output / total 1)	kW/hp	145 / 197	
Torque / total 1)	Nm	400	
<b>6</b>			
Combustion engine		1. P 1111	
Type/no. of cylinders/valves		in-line / 4 / 4	
Capacity, effective Stroke/bore	CC	1995 90.0 / 84.0	
	mm :1	16.5	
Compression Fuel		Diesel	
Nominal power output	kW/hp	145 / 197	
<u> </u>	•	4000	
at engine speed Nominal torque	rpm	4000	
at engine speed	Nm	1500 – 2750	
Power output per litre	rpm 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		The Chinese International attention to the contract of	
Front wheel suspension	low	ble wishbone axle in aluminium construction with separated er control arm level; optional: electronically controlled shock absorbers	
Rear wheel suspension	FIV	e-link axle in aluminium construction, double elastic mounting 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 Starl Control, Trailer Stability Control, Performance Control; optional:  Active Roll Stabilisation		
Safety equipment	pc	Active Roll Stabilisation  Standard: Airbags for driver and passenger, side airbags for driver and passenger, interaction airbag between driver and issenger, front and rear head airbags, 3-point automatic-reel belt on all seats, with seat belt stopper at front, seat belt insioner 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	

		BMW 520d Sedan
Transmission		
Transmission type		8-speed Steptronic transmission
Gear ratio I	:1	5.250
II	:1	3.360
III	:1	2,172
IV		1.720
V		1.316
VI		1.000
VII	:1	0.822
VIII		0.640
R		3.712
Rear axle ratio	:1	3.077
Driving performance figures		
Weight-to-power ratio (DIN)	kg/kW	12.2
Acceleration 0-100 km/h (		7.3
Top speed	km/h	233 (145 mph)
BMW EfficientDynamics		
BMW EfficientDynamics measures as standard	recuperation	with recuperation indicator, Auto Start Stop function,
•	recuperation Personal and Assist, shif EfficientLightw control, au controlled oil p rear axle and	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air flo xiliary units controlled according to demand, map- ump, efficiency and weight-optimised all-wheel drive
measures as standard	recuperation Personal and Assist, shif EfficientLightwo control, audenticated oil prear axle and reduced rollin	Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air fla xiliary units controlled according to demand, mapump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR
•	recuperation Personal and Assist, shif EfficientLightwo control, audenticated oil prear axle and reduced rollin	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air fla xiliary units controlled according to demand, map- ump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR
measures as standard  Consumption (WLTP combine Achievable in individual	recuperation Personal and Assist, shif EfficientLightw control, au: controlled oil p rear axle and reduced rollin	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air flo xiliary units controlled according to demand, map- nump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR catalytic converter
Consumption (WLTP combine Achievable in individual configuration According to EnVKV CO <sub>2</sub> emissions (WLTP combined)	recuperation Personal and Assist, shif EfficientLightw control, au controlled oil p rear axle and reduced rollin	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air floxiliary units controlled according to demand, mapump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR catalytic converter  5.6 – 5.1
Consumption (WLTP combined Achievable in individual configuration According to EnVKV	recuperation Personal and Assist, shif EfficientLightw control, au controlled oil p rear axle and reduced rollin	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air floxiliary units controlled according to demand, mapump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR catalytic converter  5.6 – 5.1
Consumption (WLTP combined Achievable in individual configuration According to EnVKV  CO2 emissions (WLTP combined) Achievable in individual	recuperation Personal and Assist, shif EfficientLightwo control, auc controlled oil p rear axle and reduced rollin  I/100 km	with recuperation indicator, Auto Start Stop function,  Efficient modes with coasting function, Forward View  t display, electromechanical power steering, BMW  eight, optimised aerodynamic properties, active air flock  siliary units controlled according to demand, map- nump, efficiency and weight-optimised all-wheel drive  transfer gearbox with optimised efficiency, tyres with  g resistance, Blue Performance technology with SCR  catalytic converter  5.6 – 5.1
Consumption (WLTP combined Achievable in individual configuration According to EnVKV  CO2 emissions (WLTP combined) Achievable in individual configuration	recuperation Personal and Assist, shif EfficientLightwo control, auc controlled oil p rear axle and reduced rollin  I/100 km  I/100 km	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air floxilliary units controlled according to demand, mapump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR catalytic converter  5.6 – 5.1  5.6
Consumption (WLTP combined Achievable in individual configuration According to EnVKV  CO2 emissions (WLTP combined) Achievable in individual configuration According to EnVKV	recuperation Personal and Assist, shif EfficientLightwo control, auc controlled oil p rear axle and reduced rollin  I/100 km  I/100 km	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air fla xiliary units controlled according to demand, mapump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR catalytic converter  5.6 – 5.1  5.6  147 – 133
Consumption (WLTP combined Achievable in individual configuration According to EnVKV  CO2 emissions (WLTP combined) Achievable in individual configuration According to EnVKV	recuperation Personal and Assist, shif EfficientLightw control, au controlled oil p rear axle and reduced rollin  I/100 km  I/100 km  g/km  q/km	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View t display, electromechanical power steering, BMW eight, optimised aerodynamic properties, active air fla xiliary units controlled according to demand, mapump, efficiency and weight-optimised all-wheel drive transfer gearbox with optimised efficiency, tyres with g resistance, Blue Performance technology with SCR catalytic converter  5.6 – 5.1  5.6

<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

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

		BMW 520d xDrive Sedan	
Body			
Number of doors/seats		4/5	
Length/width/height (empty)	mm	5060 / 1900 / 1515	
Wheelbase	mm	2995	
Track width, front/rear	mm	1634 / 1669	
Turning circle	m	12.4	
Turning circle with Integral Active Stee	ring m	11.8	
Ground clearance, empty	mm	154	
Fuel tank capacity	approx. I	60	
Engine oil	· · I	7.5	
Unladen weight according to DIN/EU	kg	1830 / 1905	
Payload according to DIN	kg	630	
Permitted total weight	kg	2460	
Permitted axle loads, front/rear	kg	1210 / 1360	
Perm. trailer load (12%) braked/unbra		2000 / 750	
Permitted roof load/permitted			
trailer nose weight	kg	75 / 100	
Luggage compartment capacity	l	520	
Drag coefficient	cx x A	0.24 x 2.46	
Drag coemcient	CAAA	OIL TX LITO	
Drive			
Engine technology	and low-p	Power Turbo Technology: Multi-stage turbocharging, high ressure charger with variable inlet geometry, common-rail tition with solenoid valve injectors (max. injection pressure	
Device output / total 1)	1/14//b.m	2500 bar), 48-volt mild hybrid technology 145 / 197	
Power output / total 1)	kW/hp		
Torque / total 1)	Nm	400	
Combustion engine			
Type/no. of cylinders/valves		in-line / 4 / 4	
Capacity, effective		1995	
Stroke/bore	СС	90.0 / 84.0	
	mm		
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	
Nonina torque	INIII	23	
Electrical system			
12 volt battery/installation location	Ah / –	70 / engine compartment	
48 volt battery/installation location	Ah / –	20 / Luggage compartment	
48 Voit buttery/installation location	AII / -	207 Loggage Compartment	
Driving dynamics and safety			
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 mounting 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 Sta		
	Brake Assi Control, T	st DBC, Dry Brake Function, Fade Compensation, Hill Stai railer Stability Control, Performance Control; optional, DSC	
Safety equipment	Brake Assi Control, T linked wit Stai driv passe be	st DBC, Dry Brake Function, Fade Compensation, Hill Star railer Stability Control, Performance Control; optional, DSC h xDrive all-wheel drive; optional: Active Roll Stabilisation ndard: Airbags for driver and passenger, side airbags for er and passenger, interaction airbag between driver and enger, front and rear head airbags, 3-point automatic-reel elt on all seats, with seat belt stopper at front, seat belt oner and seat belt force limiter at the front and the outside	
	Brake Assi Control, T linked wit Star driv passe be tensid	st DBC, Dry Brake Function, Fade Compensation, Hill Star railer Stability Control, Performance Control; optional, DSC h xDrive all-wheel drive; optional: Active Roll Stabilisation ndard: Airbags for driver and passenger, side airbags for er and passenger, interaction airbag between driver and enger, front and rear head airbags, 3-point automatic-reel elt on all seats, with seat belt stopper at front, seat belt oner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display ectrically assisted rack-and-pinion steering (EPS) with	
	Brake Assi Control, T linked wit Star driv passe be tensid	st DBC, Dry Brake Function, Fade Compensation, Hill Star railer Stability Control, Performance Control; optional, DSC h xDrive all-wheel drive; optional: Active Roll Stabilisation ndard: Airbags for driver and passenger, side airbags for er and passenger, interaction airbag between driver and enger, front and rear head airbags, 3-point automatic-reel elt on all seats, with seat belt stopper at front, seat belt oner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display ectrically assisted rack-and-pinion steering (EPS) with ronic function and variable steering ratio; optional: Integra	
Safety equipment  Steering  Overall steering ratio	Brake Assi Control, T linked wit Star driv passe be tensid	st DBC, Dry Brake Function, Fade Compensation, Hill Star railer Stability Control, Performance Control; optional, DSC h xDrive all-wheel drive; optional: Active Roll Stabilisation ndard: Airbags for driver and passenger, side airbags for er and passenger, interaction airbag between driver and enger, front and rear head airbags, 3-point automatic-reel elt on all seats, with seat belt stopper at front, seat belt oner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display	
	Brake Assi Control, T linked wit Star driv passe be tensid	st DBC, Dry Brake Function, Fade Compensation, Hill Star railer Stability Control, Performance Control; optional, DSC h xDrive all-wheel drive; optional: Active Roll Stabilisation ndard: Airbags for driver and passenger, side airbags for er and passenger, interaction airbag between driver and enger, front and rear head airbags, 3-point automatic-reel elt on all seats, with seat belt stopper at front, seat belt oner and seat belt force limiter at the front and the outside rear seats, crash sensors, tyre pressure display ectrically assisted rack-and-pinion steering (EPS) with ronic function and variable steering ratio; optional: Integra	

			BMW 520d xDrive Sedan
Transmission			
Transmission ty	vpe		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 perforn	nance figures		
Weight-to-pow	er ratio (DIN)	kg/kW	12.6
Acceleration	0-100 km/h (62 r	nph) s	7.3
Top speed		km/h	228 (142 mph)
BMW Efficient[	Dynamics		
BMW EfficientD	ynamics	Mild hybrid tech	nology with 48-volt starter generator, brake energy
		Assist, shift EfficientLightw flap control, ai controlled oil pu efficiency-optin with optimised	fficient modes with coasting function, Forward View display, electromechanical power steering, BMW reight, optimised aerodynamic properties, active air williary units controlled according to demand, mapmp, efficiency and weight-optimised all-wheel drive ised all-wheel drive, rear axle and transfer gearbosefficiency, tyres with reduced rolling resistance, Blurance technology with SCR catalytic converter
C	(// TD		
Consumption ( Achievable in in configuration	<b>WLTP combined)</b> Idividual	I/100 km	6.0 – 5.5
According to En	ıVKV	l/100 km	6.0
CO <sub>2</sub> emissions combined)	(WLTP		
Achievable in in configuration	ndividual	g/km	157 – 144
According to En	ıVKV	g/km	157
Environmental	features		
Pass-by noise		dB(A)	67
Emission rating			Euro 6e

<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

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

		BMW 540d xDrive Sedan	
Body			
Number of doors/seats		4/5	
Length/width/height (empty)	mm	5060 / 1900 / 1515 2995	
Wheelbase	mm		
Track width, front/rear	mm	1634 / 1669 12.4	
Turning circle Turning circle with Integral Active Stee	m rino m	11.8	
Ground clearance, empty	ring m mm	154	
		60	
Fuel tank capacity Engine oil	approx. I	9.3	
Unladen weight according to DIN/EU			
	kg		
Payload according to DIN	kg	655	
Permitted total weight	kg	2560	
Permitted axle loads, front/rear	kg	1310 / 1370	
Perm. trailer load (12%) braked/unbra	iked kg	2000 / 750	
Permitted roof load/permitted	1.	75 /100	
trailer nose weight	kg	75 / 100	
Luggage compartment capacity	<u> </u>	520	
Drag coefficient	cx x A	0.24 x 2.46	
Drive			
Engine technology		TwinPower Turbo Technology: Multi-stage turbocharging, high ow-pressure charger with variable inlet geometry, common-rail	
		t injection with solenoid valve injectors (max. injection pressure:	
	unec	2500 bar), 48-volt mild hybrid technology	
Power output / total 1)	kW/hp	223 / 303	
Torque / total 1)	Nm	670	
i orque / total <sup>3</sup>	INITI	670	
Combustion analys			
Combustion engine		in line IC II	
Type/no. of cylinders/valves		in-line / 6 / 4	
Capacity, effective	СС	2993	
Stroke/bore	mm	90.0 / 84.0	
Compression	:1	16.5	
Fuel		Diesel	
Nominal power output	kW/hp	210 / 286	
at engine speed	rpm	4000	
Nominal torque	Nm	650	
at engine speed	rpm	1500 – 2500	
Power output per litre	kW/l	70.2	
Electric motor			
Nominal power output	kW/hp	13 / 18	
Nominal torque	Nm	200	
Electrical system	A1. /	70 /	
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		ouble wishbone axle in aluminium construction with separated	
	lo	ower control arm level; optional: electronically controlled shock absorbers	
Rear wheel suspension		ive-link axle in aluminium construction, double elastic mounting	
Redi Wileel Suspension	Г		
Brakes front		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	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 Starl		
		rol, Trailer Stability Control, Performance Control; optional, DSC	
Cafabasasian	linke	ed with xDrive all-wheel drive; 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	
Chooring		rear seats, crash sensors, tyre pressure display	
Steering	_	Electrically assisted rack-and-pinion steering (EPS) with	
	5	ervotronic function and variable steering ratio; optional: Integra	
Overall shoowing week!		Active Steering	
Overall steering ratio	:1	15.7	
Tyres, front/rear		225/55 R18 102Y XL	
Wheel rims, front/rear		7.5J × 18 light alloy	

			BMW 540d xDrive Sedan
Transmission			
Transmission t	vpe		8-speed Steptronic transmission
Gear ratio	1	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.301
	VI	:1	1.000
	VII	:1	0.833
	VIII	:1	0.640
	R	:1	4.543
Rear axle ratio		:1	2.563
Driving perforn	nance figures		
Weight-to-pow	er ratio (DIN)	kg/kW	8.5
Acceleration	0-100 km/h (62 i	mph) s	5.2
Top speed		km/h	250 (155 mph)
BMW Efficientl	Dynamics		
BMW EfficientD	)ynamics	Mild hybrid te	chnology with 48-volt starter generator, brake energy
		Personal and Assist, shif EfficientLight flap control, controlled oil p efficiency-opt with optimised	with recuperation indicator, Auto Start Stop function, Efficient modes with coasting function, Forward View it display, electromechanical power steering, BMW weight, optimised aerodynamic properties, active air auxiliary units controlled according to demand, map- nump, efficiency and weight-optimised all-wheel drive imised all-wheel drive, rear axle and transfer gearboot defficiency, tyres with reduced rolling resistance, Blue mance technology with SCR catalytic converter
Consumption (	WLTP combined)		
Achievable in ir configuration		l/100 km	6.3 – 5.8
According to Er	ıVKV	I/100 km	6.3
CO <sub>2</sub> emissions combined)	(WLTP		
Achievable in ir configuration	ndividual	g/km	165 – 152
According to Er	ıVKV	g/km	165
	features		
Environmental			
<b>Environmental</b> Pass-by noise		dB(A)	65
		dB(A)	65 Euro 6e

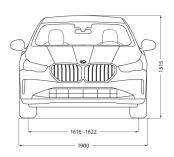
<sup>1)</sup> Developed by the combination of the combustion engine (stated nominal figure) and the electric motor (up to stated nominal figure)

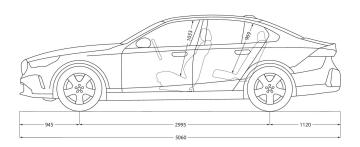
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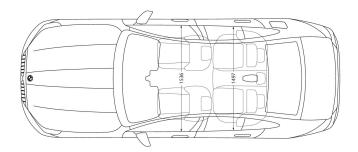
#### Exterior and interior dimensions.

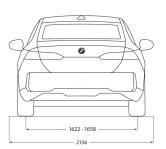
BMW 5 Series Sedan. i5 eDrive40.









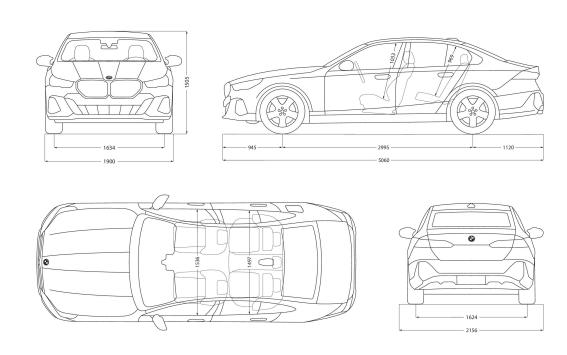


 $The \ dimensions \ in \ the \ technical \ drawing \ are \ in \ millimetres \ and \ may \ vary \ depending \ on \ the \ model \ and \ the \ optional \ equipment.$ 

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#### BMW 5 Series Sedan. i5 M60 xDrive.

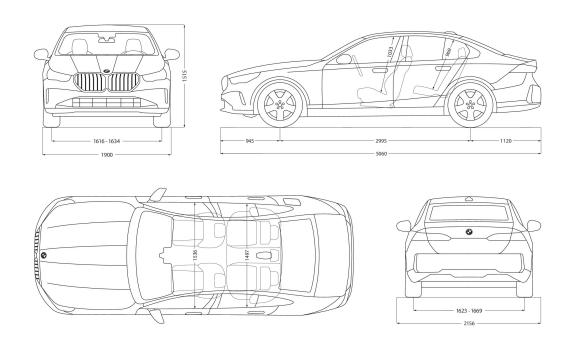


The dimensions in the technical drawing are in millimetres and may vary depending on the model and the optional equipment.

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BMW 5 Series Sedan. 520i.



The dimensions in the technical drawing are in millimetres and may vary depending on the model and the optional equipment.