

# Technical specifications.

## The new BMW 3 Series Sedan.

### 330i.



BMW 330i Sedan		
<b>Body</b>		
No of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4709 / 1827 / 1442
Wheelbase	mm	2851
Track, front/rear	mm	1589 / 1604
Ground clearance	mm	136
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1470 / 1545
Max load to DIN	kg	580
Max permissible weight	kg	2060
Max axle load, front/rear	kg	985 / 1160
Max trailer load, braked (12%/unbraked)	kg	1600 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	480
Air resistance	c <sub>d</sub> x A	0.24 x 2.22
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing	
Effective capacity	cc	1998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	10.2
Fuel		min. RON 91
Max output	kW/hp	190 / 258
at	rpm	5000 – 6500
Max torque	Nm	400
at	rpm	1550 – 4400
<b>Electrical System</b>		
Battery/installation	Ah/–	90 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double-joint spring-strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearings	
Suspension, rear	Five-link axle in lightweight aluminium-steel construction	
Brakes, front	Single-piston floating-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension, M Sport differential	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts for all seats, front seats with belt stopper, belt latch tensioner and belt force limiter, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering	
Steering ratio, overall	:1	14.1
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 330i Sedan			
Transmission			
Type of transmission		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
Performance			
Power-to-weight ratio (DIN)	kg/kW		7.7
Output per litre	kW/l		95.1
Acceleration 0–100 km/h	s		5.8
Top speed	km/h		250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance	
Fuel Consumption ECE			
Urban	l/100 km		7.7 – 7.2
Extra-urban	l/100 km		5.2 – 5.0
Combined	l/100 km		6.1 – 5.8
CO <sub>2</sub>	g/km		139 – 132
Emission rating			Euro 6d-TEMP

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

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

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

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

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

# The new BMW 3 Series Sedan. 320d.

BMW 320d Sedan		
<b>Body</b>		
No of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4709 / 1827 / 1442
Wheelbase	mm	2851
Track, front/rear	mm	1589 / 1604
Ground clearance	mm	136
Turning circle	m	11.4
Fuel tank capacity	approx. l	40 (optional 59)
Engine oil <sup>2)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	1450 / 1525 (1455 / 1530)
Max load to DIN	kg	610
Max permissible weight	kg	2075 (2085)
Max axle load, front/rear	kg	970 / 1180
Max trailer load, braked (12%/unbraked)	kg	1600 / 745 (750)
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	480
Air resistance	c <sub>d</sub> x A	0.23 x 2.22
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharger with variable inlet geometry, common-rail direct injection with solenoid valve injectors (max. injection pressure: 2000 bar)	
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
<b>Electrical System</b>		
Battery/installation	Ah/–	80 (90) / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double-joint spring-strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearings	
Suspension, rear	Five-link axle in lightweight aluminium-steel construction	
Brakes, front	Single-piston floating-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts for all seats, front seats with belt stopper, belt latch tensioner and belt force limiter, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering	
Steering ratio, overall	:1	14.1
Tyres, front/rear		205/60 R16 96W XL
Rims, front/rear		6.5J x 16 light-alloy

BMW 320d Sedan			
Transmission			
Type of transmission		Six-speed manual (eight-speed Steptronic transmission)	
Gear ratios	I	:1	4.110 (5.250)
	II	:1	2.248 (3.360)
	III	:1	1.403 (2.172)
	IV	:1	1.000 (1.720)
	V	:1	0.786 (1.316)
	VI	:1	0.601 (1.000)
	VII	:1	– (0.822)
	VIII	:1	– (0.640)
	R	:1	3.727 (3.712)
Final drive		:1	3.154 (2.813)
Performance			
Power-to-weight ratio (DIN)	kg/kW		10.4 (10.4)
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.1 (6.8)
Top speed	km/h		240 (240)
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function (automatic transmission) and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalyst	
Fuel Consumption ECE			
Urban	l/100 km		5.7 – 5.4 (5.1 – 4.9)
Extra-urban	l/100 km		4.1 – 3.8 (4.1 – 3.8)
Combined	l/100 km		4.7 – 4.4 (4.5 – 4.2)
CO <sub>2</sub>	g/km		122 – 115 (117 – 110)
Emission rating			Euro 6d-TEMP

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)  
Figures in brackets apply to models with automatic transmission

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

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

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

# The new BMW 3 Series Sedan. 320d xDrive.

BMW 320d xDrive Sedan		
<b>Body</b>		
No of doors/seats		4 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	4709 / 1827 / 1442
Wheelbase	mm	2851
Track, front/rear	mm	1573 / 1587
Ground clearance	mm	135
Turning circle	m	11.95
Fuel tank capacity	approx. l	40 (optional 59)
Engine oil <sup>2)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	1540 / 1615
Max load to DIN	kg	600
Max permissible weight	kg	2170
Max axle load, front/rear	kg	1055 / 1195
Max trailer load, braked (12%/unbraked)	kg	1600 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	480
Air resistance	c <sub>d</sub> x A	0.25 x 2.22
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharger with variable inlet geometry, common-rail direct injection with solenoid valve injectors (max. injection pressure: 2000 bar)	
Effective capacity	cc	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
<b>Electrical System</b>		
Battery/installation	Ah/–	90 / luggage compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double-joint spring-strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearings	
Suspension, rear	Five-link axle in lightweight aluminium-steel construction	
Brakes, front	Single-piston floating-calliper disc brakes, vented	
Brakes, rear	Single-piston floating-calliper disc brakes, vented	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system networked with DSC; optional: Adaptive M suspension	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts for all seats, front seats with belt stopper, belt latch tensioner and belt force limiter, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering	
Steering ratio, overall	:1	14.9
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

BMW 320d xDrive Sedan			
Transmission			
Type of transmission		Eight-speed Steptronic transmission	
Gear ratios	I	:1	5.250
	II	:1	3.360
	III	:1	2.172
	IV	:1	1.720
	V	:1	1.316
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
Performance			
Power-to-weight ratio (DIN)	kg/kW		11.0
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		6.9
Top speed	km/h		233
BMW EfficientDynamics			
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, rear differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalyst	
Fuel Consumption ECE			
Urban	l/100 km		5.5 – 5.2
Extra-urban	l/100 km		4.4 – 4.1
Combined	l/100 km		4.8 – 4.5
CO <sub>2</sub>	g/km		125 – 118
Emission rating			Euro 6d-TEMP

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

<sup>1)</sup> Height including roof fin

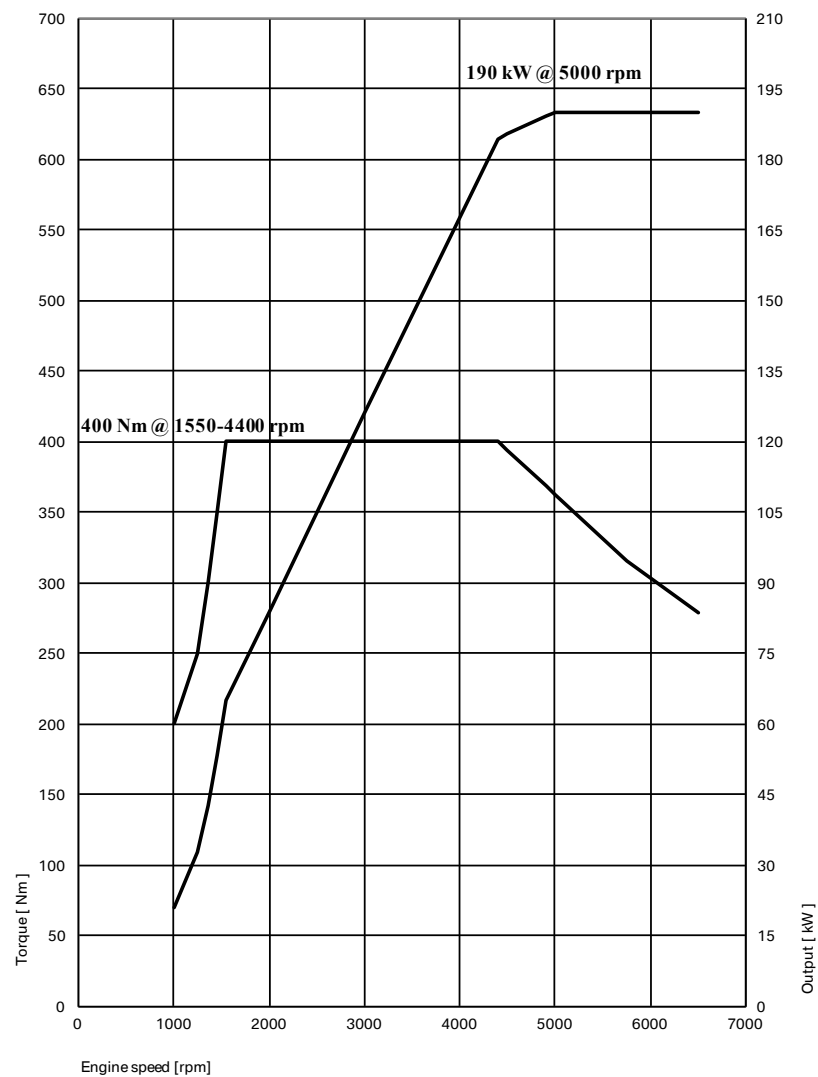
<sup>2)</sup> Oil change

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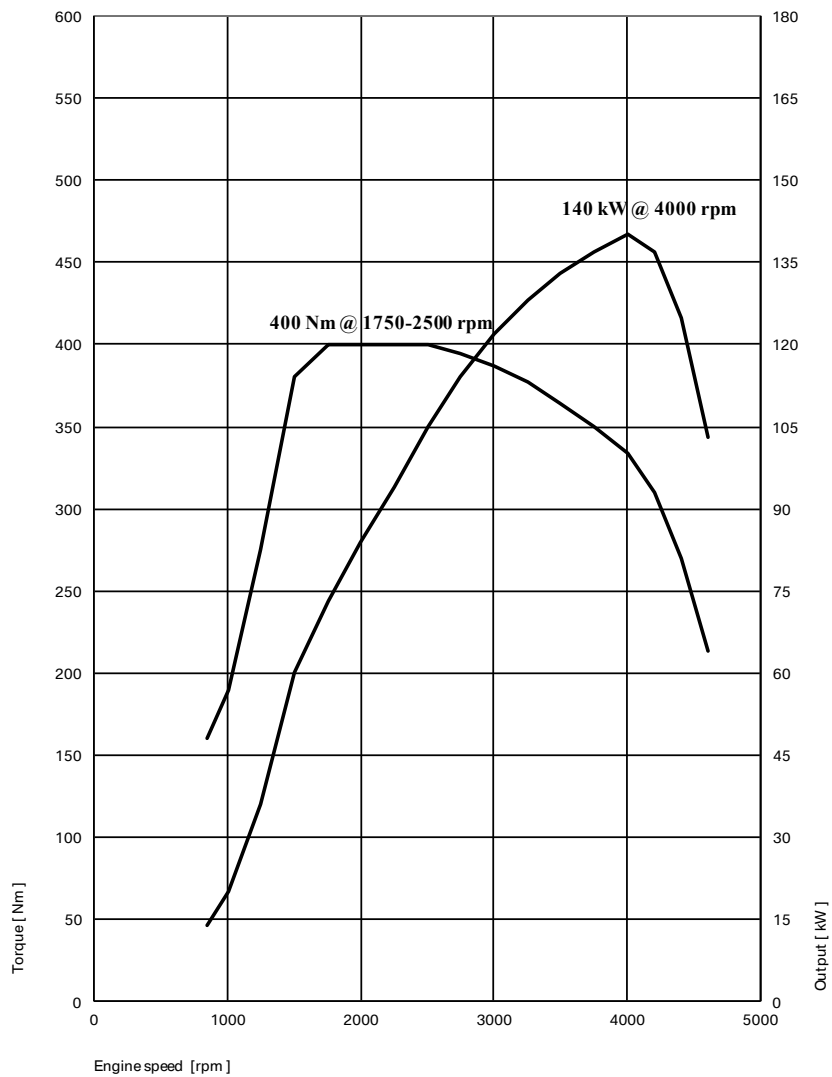
The values are already based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO<sub>2</sub> emissions, the CO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

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

# Output and torque diagrams. The new BMW 3 Series Sedan. 330i.

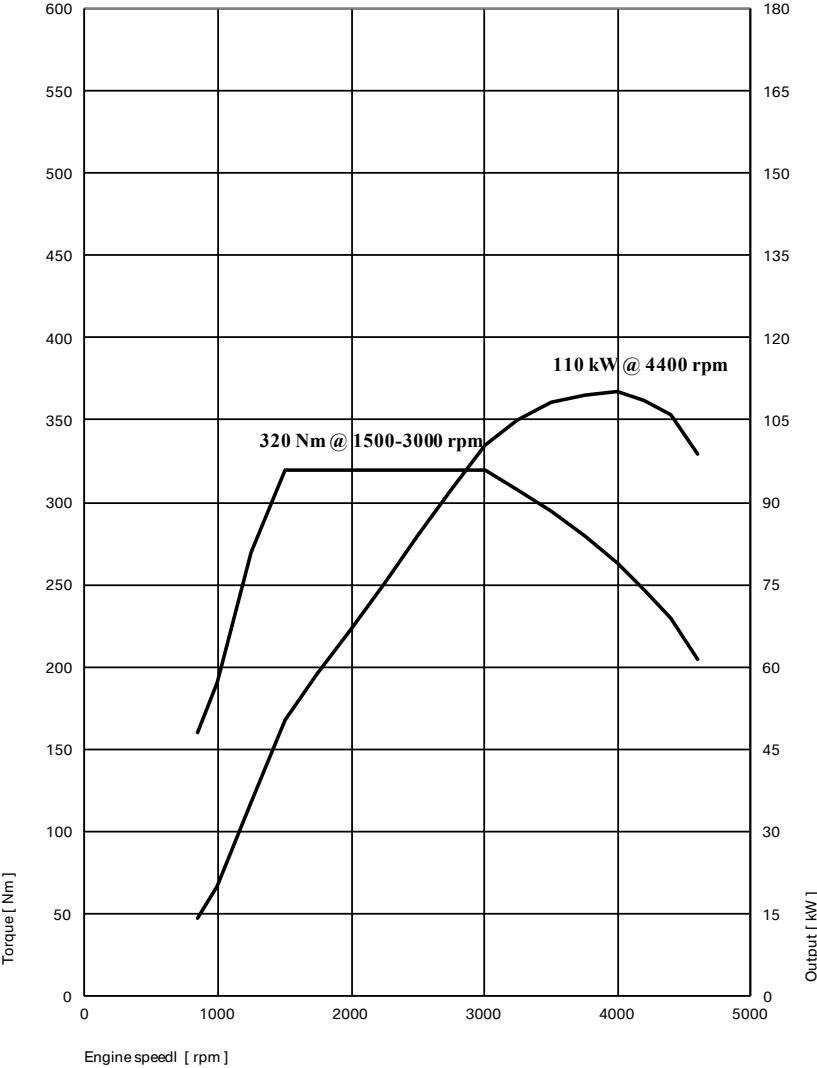


# The new BMW 3 Series Sedan. 320d.





# The new BMW 3 Series Sedan. 318d.



# Exterior and interior dimensions. The new BMW 3 Series Sedan.

