

# Technical specifications.

## The new BMW Z4.

### Z4 sDrive20i.



BMW Z4 sDrive20i		
<b>Body</b>		
No of doors/seats		2 / 2
Length/width/height (unladen)	mm	4324 / 1864 / 1304
Wheelbase	mm	2470
Track, front/rear	mm	1609 / 1616
Ground clearance	mm	117
Turning circle	m	11.0
Fuel tank capacity	approx. l	52
Engine oil <sup>1)</sup>	l	5.25
Weight, unladen, to DINEU	kg	1405 / 1480
Max load to DIN	kg	335
Max permissible weight	kg	1740
Max axle load, front/rear	kg	830 / 935
Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	- / -
Luggage comp capacity	l	281
Air resistance	Cd x A	0.29 x 2.07
<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	145 / 197
at	rpm	4500 – 6500
Max torque	Nm	320
at	rpm	1450 – 4200
<b>Electrical System</b>		
Battery/installation	Ah/-	80 / 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), 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 with combined head airbags, three-point inertia-reel seatbelts with belt stopper, belt latch tensioner and belt force limiter, crash sensors, rollover protection system, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function, variable sport steering	
Steering ratio, overall	:1	15.1
Tyres, front/rear	225/50 R17 98Y XL / 255/45 R17 98Y	
Rims, front/rear	7.5J x 17 light-alloy / 8.5J x 17 light-alloy	

BMW Z4 sDrive20i			
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	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		9.7
Output per litre	kW/l		72.6
Acceleration 0–100 km/h	s		6.6
Top speed	km/h		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 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		7.4 – 7.3
Extra-urban	l/100 km		5.4 – 5.0
Combined	l/100 km		6.9 – 6.1
CO <sub>2</sub>	g/km		139 – 137
Emission rating	Euro 6d-TEMP		

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

<sup>1)</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 Z4. Z4 sDrive30i.

BMW Z4 sDrive30i		
<b>Body</b>		
No of doors/seats		2 / 2
Length/width/height (unladen)	mm	4324 / 1864 / 1304
Wheelbase	mm	2470
Track, front/rear	mm	1609 / 1616
Ground clearance	mm	117
Turning circle	m	11.0
Fuel tank capacity	approx. l	52
Engine oil <sup>1)</sup>	l	5.25
Weight, unladen, to DINEU	kg	1415 / 1490
Max load to DIN	kg	325
Max permissible weight	kg	1740
Max axle load, front/rear	kg	830 / 935
Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	- / -
Luggage comp capacity	l	281
Air resistance	Cd x A	0.29 x 2.07
<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/-	80 / 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), 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 with combined head airbags, three-point inertia-reel seatbelts with belt stopper, belt latch tensioner and belt force limiter, crash sensors, rollover protection system, tyre pressure indicator	
Steering	Electric Power Steering (EPS) with Servotronic function, variable sport steering	
Steering ratio, overall	:1	15.1
Tyres, front/rear	225/50 R17 98Y XL / 255/45 R17 98Y	
Rims, front/rear	7.5J x 17 light-alloy / 8.5J x 17 light-alloy	

BMW Z4 sDrive30i			
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	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		7.4
Output per litre	kW/l		95.1
Acceleration 0–100 km/h	s		5.4
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		7.4 – 7.4
Extra-urban	l/100 km		5.3 – 4.9
Combined	l/100 km		6.1 – 6.0
CO <sub>2</sub>	g/km		139 – 137
Emission rating	Euro 6d-TEMP		

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

<sup>1)</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.

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# The new BMW Z4. Z4 M40i.

BMW Z4 M40i		
<b>Body</b>		
No of doors/seats		2 / 2
Length/width/height (unladen)	mm	4324 / 1864 / 1304
Wheelbase	mm	2470
Track, front/rear	mm	1594 / 1589
Ground clearance	mm	114
Turning circle	m	11.0
Fuel tank capacity	approx. l	52
Engine oil <sup>1)</sup>	l	6.5
Weight, unladen, to DINEU	kg	1535 / 1610
Max load to DIN	kg	325
Max permissible weight	kg	1860
Max axle load, front/rear	kg	865 / 995
Max trailer load, braked (12%/unbraked)	kg	- / -
Max roofload/max towbar download	kg	- / -
Luggage comp capacity	l	281
Air resistance	Cd x A	0.31 x 2.07
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		M Performance TwinPower Turbo technology: TwinScroll turbocharger, High Precision Direct Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing
Effective capacity	cc	2998
Stroke/bore	mm	94.6 / 82.0
Compression ratio	:1	11.0
Fuel		Min. RON 91
Max output	kW/hp	250 / 340
at	rpm	5000 – 6500
Max torque	Nm	500
at	rpm	1600 – 4500
<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		Four-piston fixed-calliper disc brakes, vented
Brakes, rear		Single-piston floating-calliper disc brakes, vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant, Adaptive M suspension, M Sport differential
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger with combined head airbags, three-point inertia-reel seatbelts with belt stopper, belt latch tensioner and belt force limiter, crash sensors, rollover protection system, tyre pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, variable sport steering
Steering ratio, overall	:1	15.1
Tyres, front/rear		255/40 ZR18 95Y / 275/40 ZR18 99Y
Rims, front/rear		9J x 18 light-alloy / 10J x 18 light-alloy

BMW Z4 M40i			
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	3.154
Performance			
Power-to-weight ratio (DIN)	kg/kW		6.1
Output per litre	kW/l		83.4
Acceleration 0–100 km/h	s		4.5
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	
Fuel Consumption ECE			
Urban	l/100 km		9.2 – 9.2
Extra-urban	l/100 km		6.3 – 5.9
Combined	l/100 km		7.4 – 7.1
CO <sub>2</sub>	g/km		168 – 162
Emission rating	Euro 6d-TEMP		

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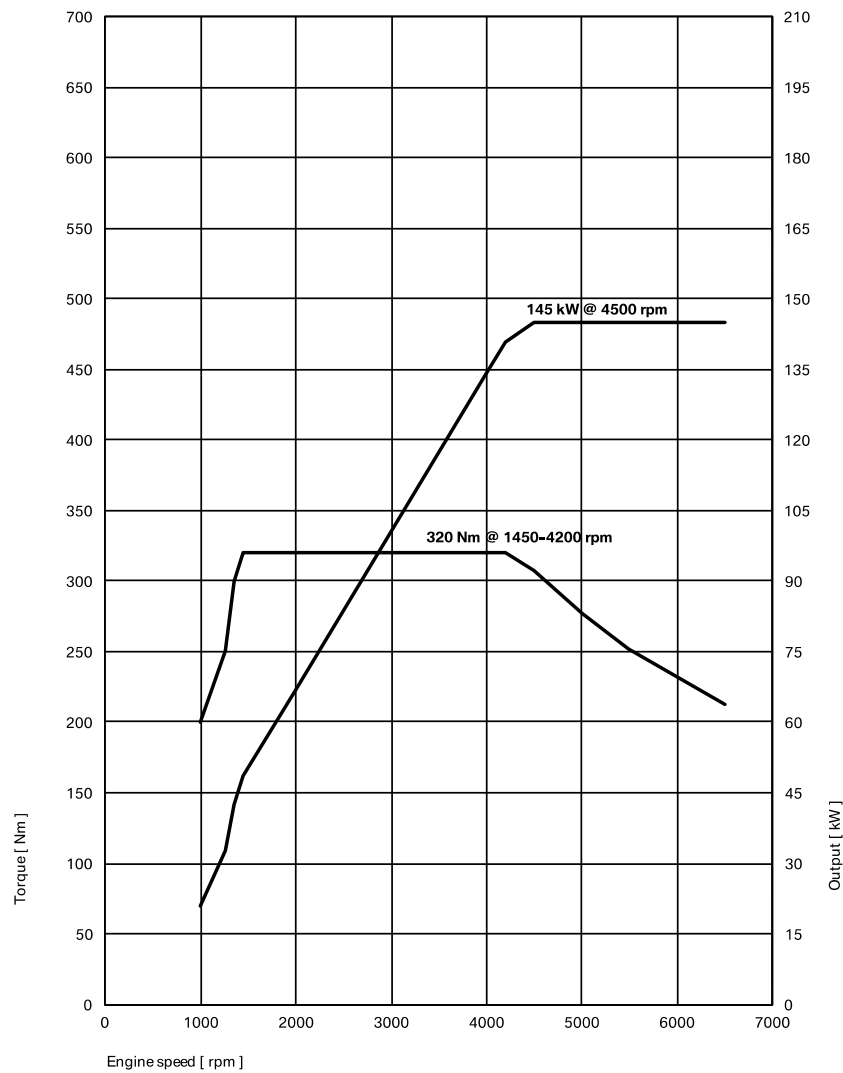
<sup>1)</sup> Oil change

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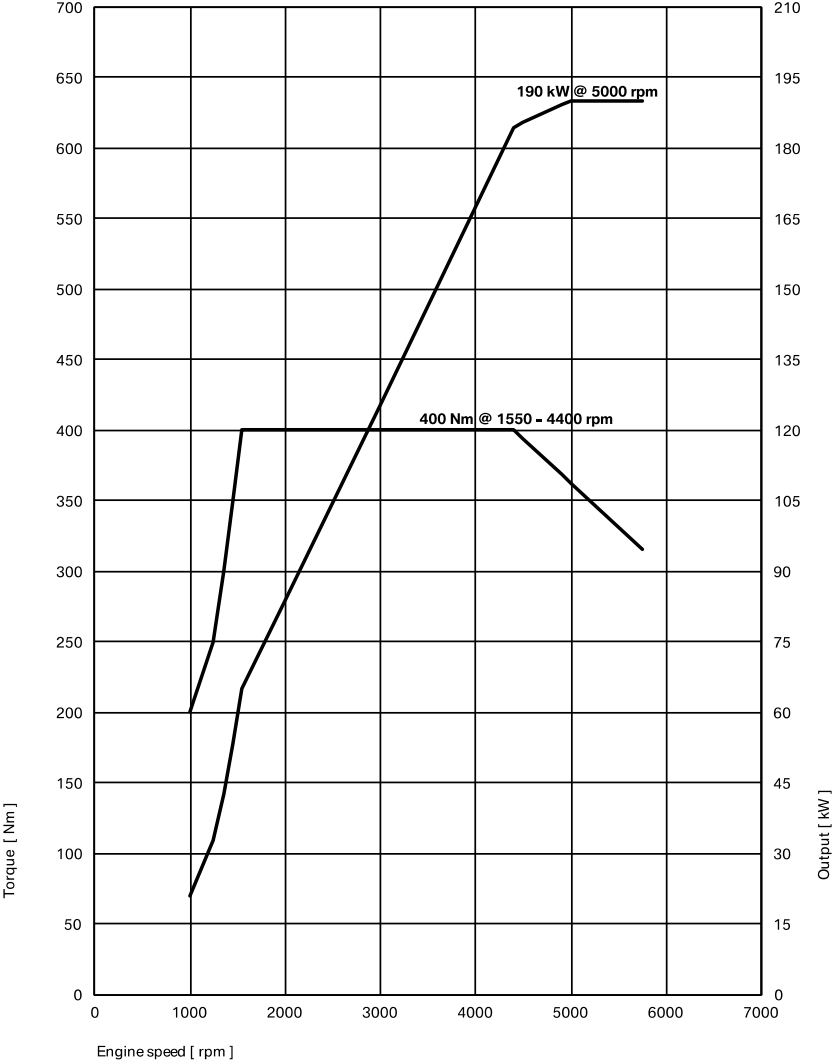
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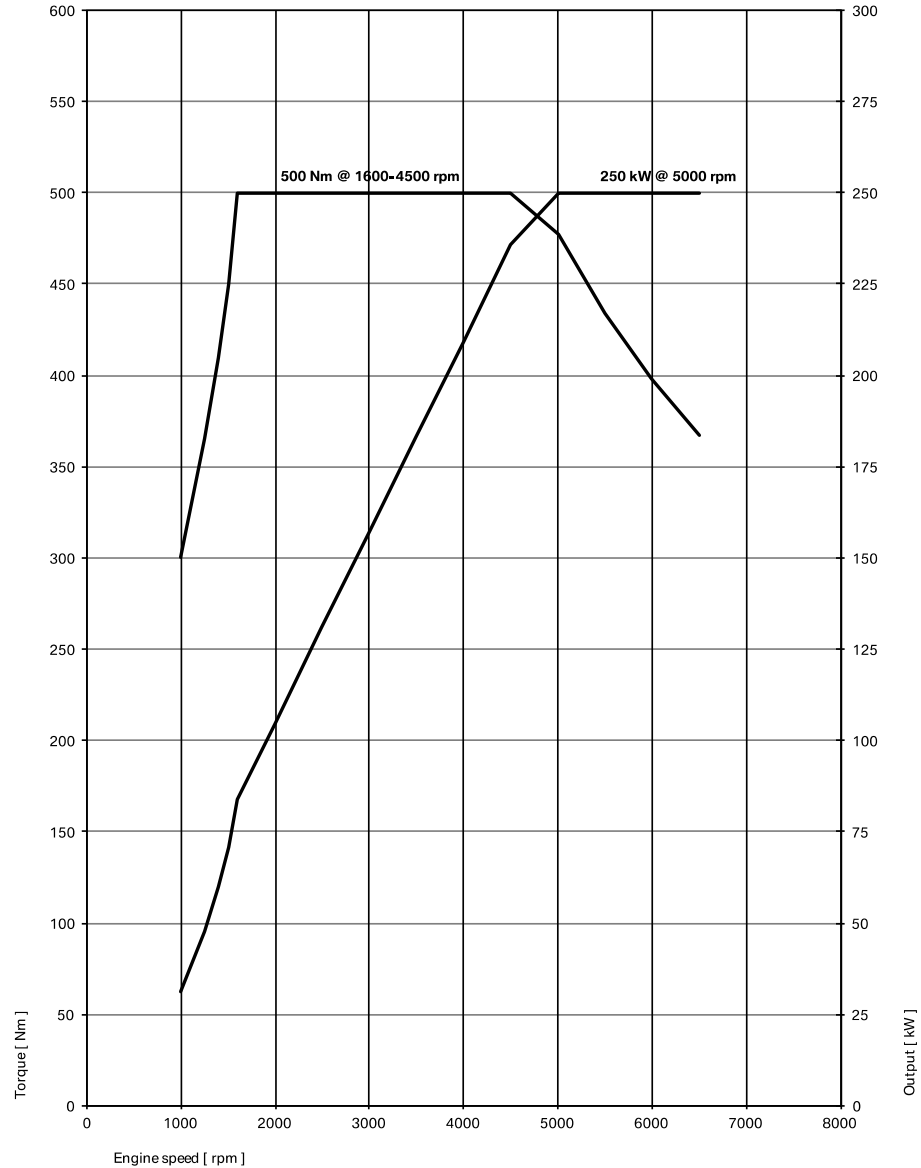
# Output and torque diagrams. The new BMW Z4. Z4 sDrive20i.



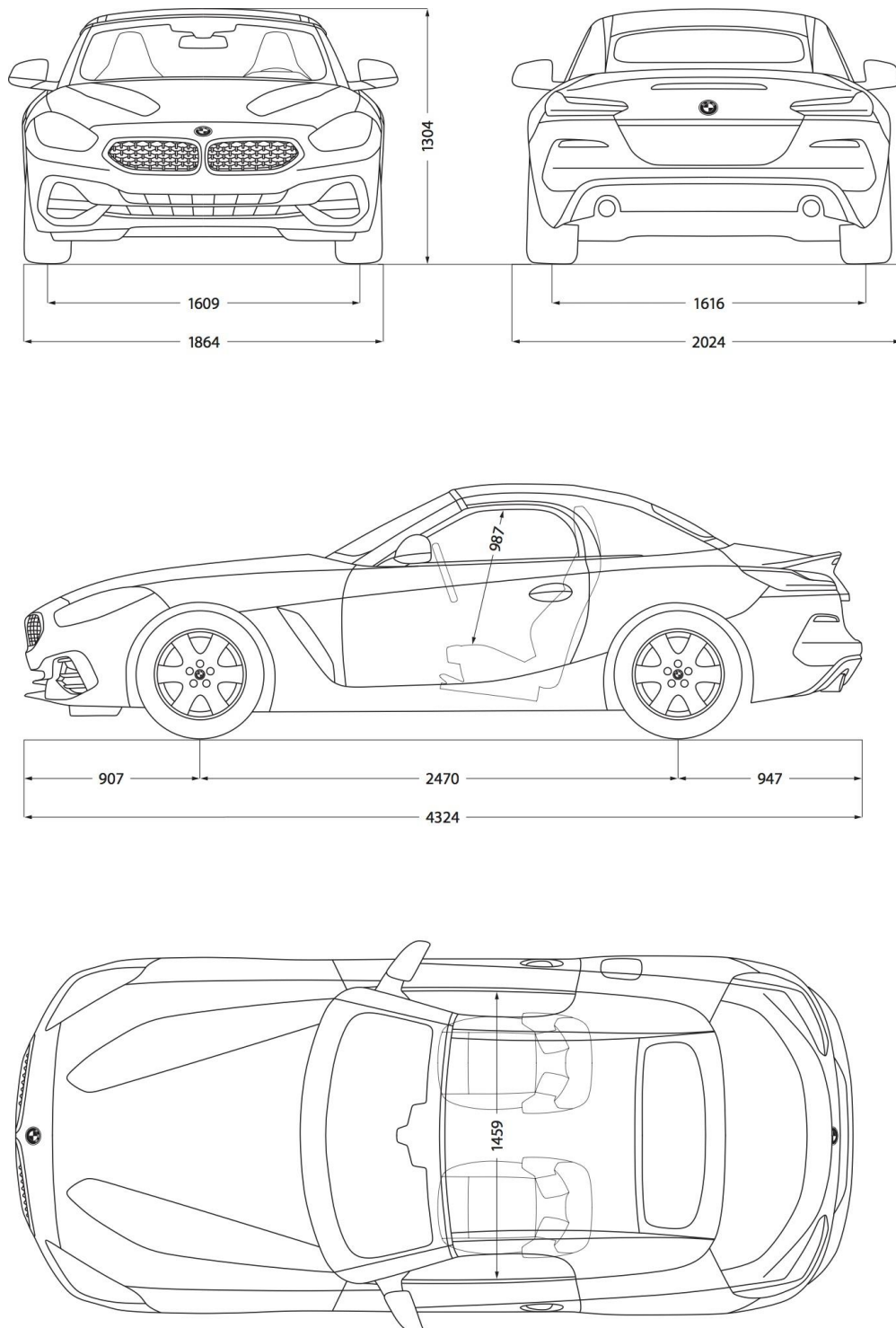
# The new BMW Z4. Z4 sDrive30i.



# The new BMW Z4. Z4 M40i.



# Exterior and interior dimensions. The new BMW X5.



\*dimensions in cm