

Specifications.

The new BMW 6 Series Gran Turismo.

630i.



BMW 630i Gran Turismo		
Body		
No of doors/seats		4 / 5
Length/width/height ¹⁾ (unladen)	mm	5091 / 1902 / 1538
Wheelbase	mm	3070
Track, front/rear	mm	1615 / 1649
Ground clearance	mm	138
Turning circle	m	12.3
Fuel tank capacity	approx. l	68
Engine oil ²⁾	l	5.25
Weight, unladen, to DIN/EU	kg	1720 / 1795
Max load to DIN	kg	660
Max permissible weight	kg	2380
Max axle load, front/rear	kg	1110 / 1380
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	610 – 1800
Air resistance	Cd x A	0.26 x 2.54
Power Unit		
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
Electrical System		
Battery/installation	Ah/-	90 / Luggage compartment
Driving Dynamics and Safety		
Suspension, front	Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, transverse force compensation, anti-dive	
Suspension, rear	Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling	
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; Optional: Dynamic Damper Control, Adaptive Drive	
Safety equipment	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter at the front seats, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS), optional: Integral Active Steering	
Steering ratio, overall	:1	16.3
Tyres, front/rear	225/60 R17 99Y	
Rims, front/rear	7.5J x 17 light-alloy	

BMW 630i Gran Turismo

Transmission

Type of transmission	8-speed Steptronic Transmission		
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.314
	VI	:1	1.000
	VII	:1	0.822
	VIII	:1	0.640
	R	:1	3.456
Final drive		:1	3.077

Performance

Power-to-weight ratio (DIN)	kg/kW	9.1
Output per litre	kW/l	95.1
Acceleration 0–100 km/h	s	6.3
In 5th gear 80–120 km/h	s	–
Top speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, 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, automatic rear spoiler, on-demand operation of ancillary units, map-regulated oil pump, differential with optimised warm-up behaviour, tyres with reduced rolling resistance
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Fuel Consumption in EU Cycle³⁾

With standard tyres		
Urban	l/100 km	7.8
Extra-urban	l/100 km	5.3
Combined	l/100 km	6.2
CO ₂	g/km	142
With 8J x 18 wheels and 245/50 R18 tyres. With 8.5J x 19 wheels and 245/45 R19 tyres		
Urban	l/100 km	8.0
Extra-urban	l/100 km	5.6
Combined	l/100 km	6.5
CO ₂	g/km	148
With 8.5J x 19 wheels (front), 9.5J x 19 wheels (rear) and 245/45 R19 tyres (front), 275/40 R19 tyres (rear), with 8.5J x 20 wheels (front), 10J x 20 wheels (rear) and 245/40 R20 tyres (front), 275/35 R20 tyres (rear) and with winter tyres		
Urban	l/100 km	8.2
Extra-urban	l/100 km	5.8
Combined	l/100 km	6.6
CO ₂	g/km	152
Emission rating		EU6

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

¹⁾ Height including roof fin

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

The new BMW 6 Series Gran Turismo. 640i, 640i xDrive.

		BMW 640i Gran Turismo	BMW 640i xDrive Gran Turismo
Body			
No of doors/seats		4 / 5	4 / 5
Length/width/height ¹⁾ (unladen)	mm	5091 / 1902 / 1538	5091 / 1902 / 1540
Wheelbase	mm	3070	3070
Track, front/rear	mm	1615 / 1649	1615 / 1647
Ground clearance	mm	138	138
Turning circle	m	12.3	12.5
Fuel tank capacity	approx. l	68	68
Engine oil ²⁾	l	6.5	6.5
Weight, unladen, to DIN/EU	kg	1770 / 1845	1835 / 1910
Max load to DIN	kg	660	660
Max permissible weight	kg	2450	2515
Max axle load, front/rear	kg	1175 / 1390	1220 / 1410
Max trailer load, braked (12%/unbraked)	kg	2100 / 750	2100 / 750
Max roofload/max towbar download	kg	75 / 100	75 / 100
Luggage comp capacity	l	610 – 1800	610 – 1800
Air resistance	Cd x A	0.26 x 2.54	0.27 x 2.54
Power Unit			
Config/No of cyls/valves		in-line / 6 / 4	in-line / 6 / 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	2998	2998
Stroke/bore	mm	94.6 / 82.0	94.6 / 82.0
Compression ratio	:1	11.0	11.0
Fuel		min. RON 91	min. RON 91
Max output	kW/hp	250 / 340	250 / 340
at	rpm	5500 – 6500	5500 – 6500
Max torque	Nm	450	450
at	rpm	1380 – 5200	1380 – 5200
Electrical System			
Battery/installation	Ah/–	90 / Luggage compartment	90 / Luggage compartment
Driving Dynamics and Safety			
Suspension, front		Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, transverse force compensation, anti-dive	
Suspension, rear		Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling	
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, DSC networked with xDrive all-wheel-drive system (BMW 640i xDrive); Optional: Dynamic Damper Control, Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter at the front seats, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS), optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	16.3
Tyres, front/rear		225/60 R17 99Y	225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy	7.5J x 17 light-alloy

		BMW 640i Gran Turismo	BMW 640i xDrive Gran Turismo
Transmission			
Type of transmission		8-speed Steptronic Transmission	8-speed Steptronic Transmission
Gear ratios	I :1	5.000	5.000
	II :1	3.200	3.200
	III :1	2.143	2.143
	IV :1	1.720	1.720
	V :1	1.314	1.314
	VI :1	1.000	1.000
	VII :1	0.822	0.822
	VIII :1	0.640	0.640
	R :1	3.456	3.456
Final drive	:1	3.077	3.077
Performance			
Power-to-weight ratio (DIN)	kg/kW	7.1	7.3
Output per litre	kW/l	83.4	83.4
Acceleration 0–100 km/h	s	5.4	5.3
In 5th gear 80–120 km/h	s	–	–
Top speed	km/h	250	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, 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, automatic rear spoiler, on-demand operation of ancillary units, map-regulated oil pump, differential and transfer case (BMW 640i xDrive) with optimised warm-up behaviour, tyres with reduced rolling resistance		
Fuel Consumption in EU Cycle ³⁾			
With standard tyres			
Urban	l/100 km	9.6	10.5
Extra-urban	l/100 km	5.4	6.1
Combined	l/100 km	7.0	7.7
CO ₂	g/km	159	177
With 8J x 18 wheels and 245/50 R18 tyres. With 8.5J x 19 wheels and 245/45 R19 tyres			
Urban	l/100 km	9.8	10.8
Extra-urban	l/100 km	5.8	6.4
Combined	l/100 km	7.2	8.0
CO ₂	g/km	165	183
With 8.5J x 19 wheels (front), 9.5J x 19 wheels (rear) and 245/45 R19 tyres (front), 275/40 R19 tyres (rear), with 8.5J x 20 wheels (front), 10J x 20 wheels (rear) and 245/40 R20 tyres (front), 275/35 R20 tyres (rear) and with winter tyres			
Urban	l/100 km	9.8	11.1
Extra-urban	l/100 km	6.0	6.5
Combined	l/100 km	7.4	8.2
CO ₂	g/km	169	187
Emission rating		EU6	EU6

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¹⁾ Height including roof fin

²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

The new BMW 6 Series Gran Turismo. 630d, 630d xDrive.

		BMW 630d Gran Turismo	BMW 630d xDrive Gran Turismo
Body			
No of doors/seats		4 / 5	4 / 5
Length/width/height ¹⁾ (unladen)	mm	5091 / 1902 / 1538	5091 / 1902 / 1540
Wheelbase	mm	3070	3070
Track, front/rear	mm	1615 / 1649	1615 / 1647
Ground clearance	mm	138	138
Turning circle	m	12.3	12.5
Fuel tank capacity	approx. l	66	66
Engine oil ²⁾	l	6.5	6.5
Weight, unladen, to DIN/EU	kg	1825 / 1900	1880 / 1955
Max load to DIN	kg	680	680
Max permissible weight	kg	2510	2580
Max axle load, front/rear	kg	1180 / 1425	1250 / 1445
Max trailer load, braked (12%/unbraked)	kg	2100 / 750	2100 / 750
Max roofload/max towbar download	kg	75 / 100	75 / 100
Luggage comp capacity	l	610 – 1800	610 – 1800
Air resistance	Cd x A	0.25 x 2.54	0.26 x 2.54
Power Unit			
Config/No of cyls/valves		in-line / 6 / 4	in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2500 bar)	
Effective capacity	cc	2993	2993
Stroke/bore	mm	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5
Fuel		Diesel	Diesel
Max output	kW/hp	195 / 265	195 / 265
at	rpm	4000	4000
Max torque	Nm	620	620
at	rpm	2000 – 2500	2000 – 2500
Electrical System			
Battery/installation	Ah/-	90 / Luggage compartment	90 / Luggage compartment
Driving Dynamics and Safety			
Suspension, front		Aluminium double track control arm axle with separate lower track arm level, small steering roll radius, transverse force compensation, anti-dive	
Suspension, rear		Five-link axle in aluminium lightweight construction, double elastic bearing, air suspension with automatic self-levelling	
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, DSC networked with xDrive all-wheel-drive system (BMW 630d xDrive); Optional: Dynamic Damper Control, Adaptive Drive	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt stopper, belt latch tensioner and belt force limiter at the front seats, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering		Electric Power Steering (EPS), optional: Integral Active Steering	
Steering ratio, overall	:1	16.3	16.3
Tyres, front/rear		225/60 R17 99Y	225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy	7.5J x 17 light-alloy

		BMW 630d Gran Turismo	BMW 630d xDrive Gran Turismo
Transmission			
Type of transmission		8-speed Steptronic Transmission	8-speed Steptronic Transmission
Gear ratios	I :1	5.000	5.000
	II :1	3.200	3.200
	III :1	2.143	2.143
	IV :1	1.720	1.720
	V :1	1.313	1.313
	VI :1	1.000	1.000
	VII :1	0.823	0.823
	VIII :1	0.640	0.640
	R :1	3.478	3.478
Final drive	:1	2.563	2.563
Performance			
Power-to-weight ratio (DIN)	kg/kW	9.4	9.6
Output per litre	kW/l	65.2	65.2
Acceleration 0–100 km/h	s	6.1	6.0
In 5th gear 80–120 km/h	s	–	–
Top speed	km/h	250	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, 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, automatic rear spoiler, on-demand operation of ancillary units, map-regulated oil pump, differential and transfer case (BMW 630d xDrive) with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology		
Fuel Consumption in EU Cycle ³⁾			
With standard tyres			
Urban	l/100 km	5.6	6.5
Extra-urban	l/100 km	4.5	4.9
Combined	l/100 km	4.9	5.5
CO ₂	g/km	129	144
With 8J x 18 wheels and 245/50 R18 tyres. With 8.5J x 19 wheels and 245/45 R19 tyres			
Urban	l/100 km	5.9	6.6
Extra-urban	l/100 km	4.7	5.2
Combined	l/100 km	5.1	5.7
CO ₂	g/km	135	150
With 8.5J x 19 wheels (front), 9.5J x 19 wheels (rear) and 245/45 R19 tyres (front), 275/40 R19 tyres (rear), with 8.5J x 20 wheels (front), 10J x 20 wheels (rear) and 245/40 R20 tyres (front), 275/35 R20 tyres (rear) and with winter tyres			
Urban	l/100 km	6.1	6.7
Extra-urban	l/100 km	4.9	5.4
Combined	l/100 km	5.3	5.9
CO ₂	g/km	139	154
Emission rating		EU6	EU6

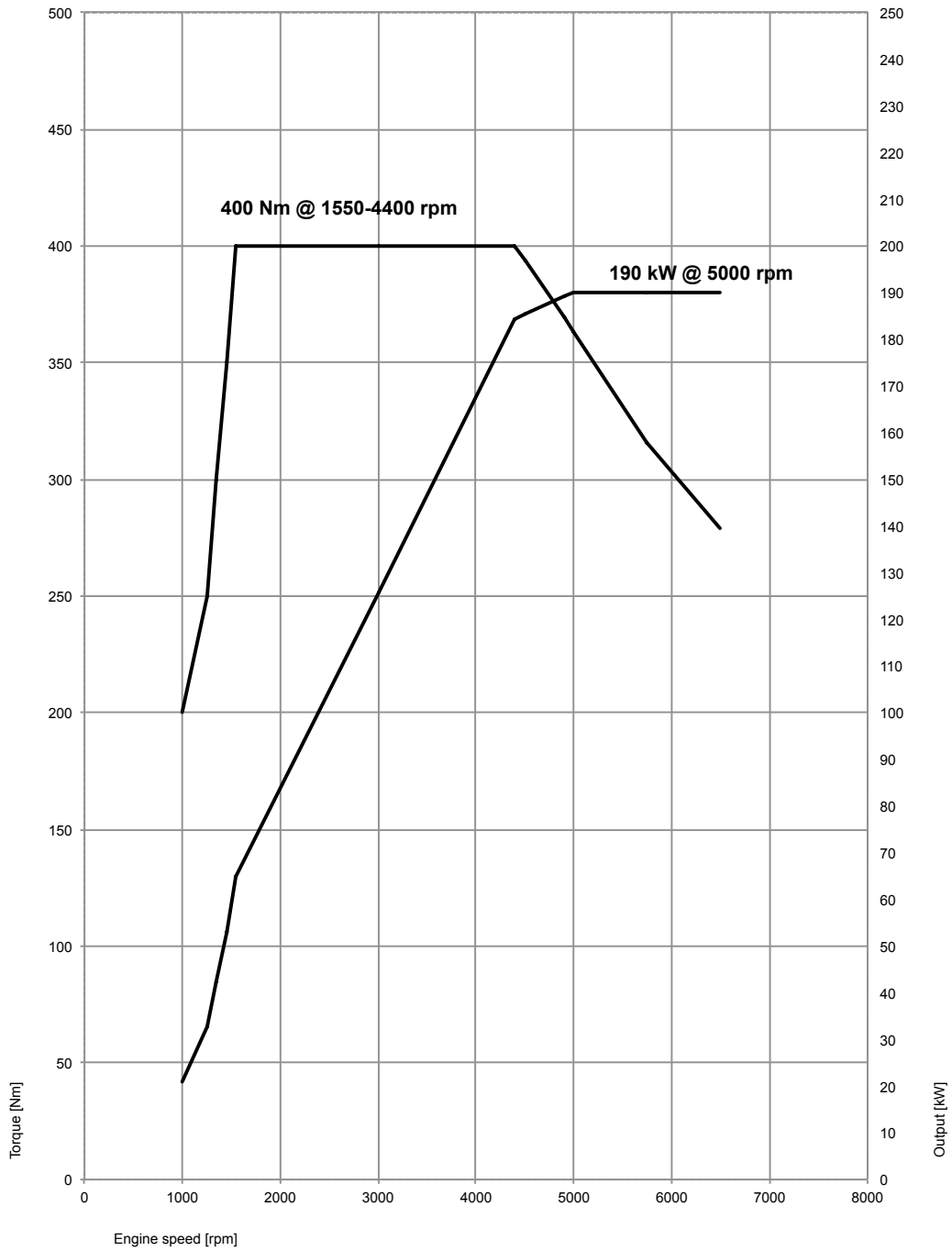
Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

¹⁾ Height including roof fin

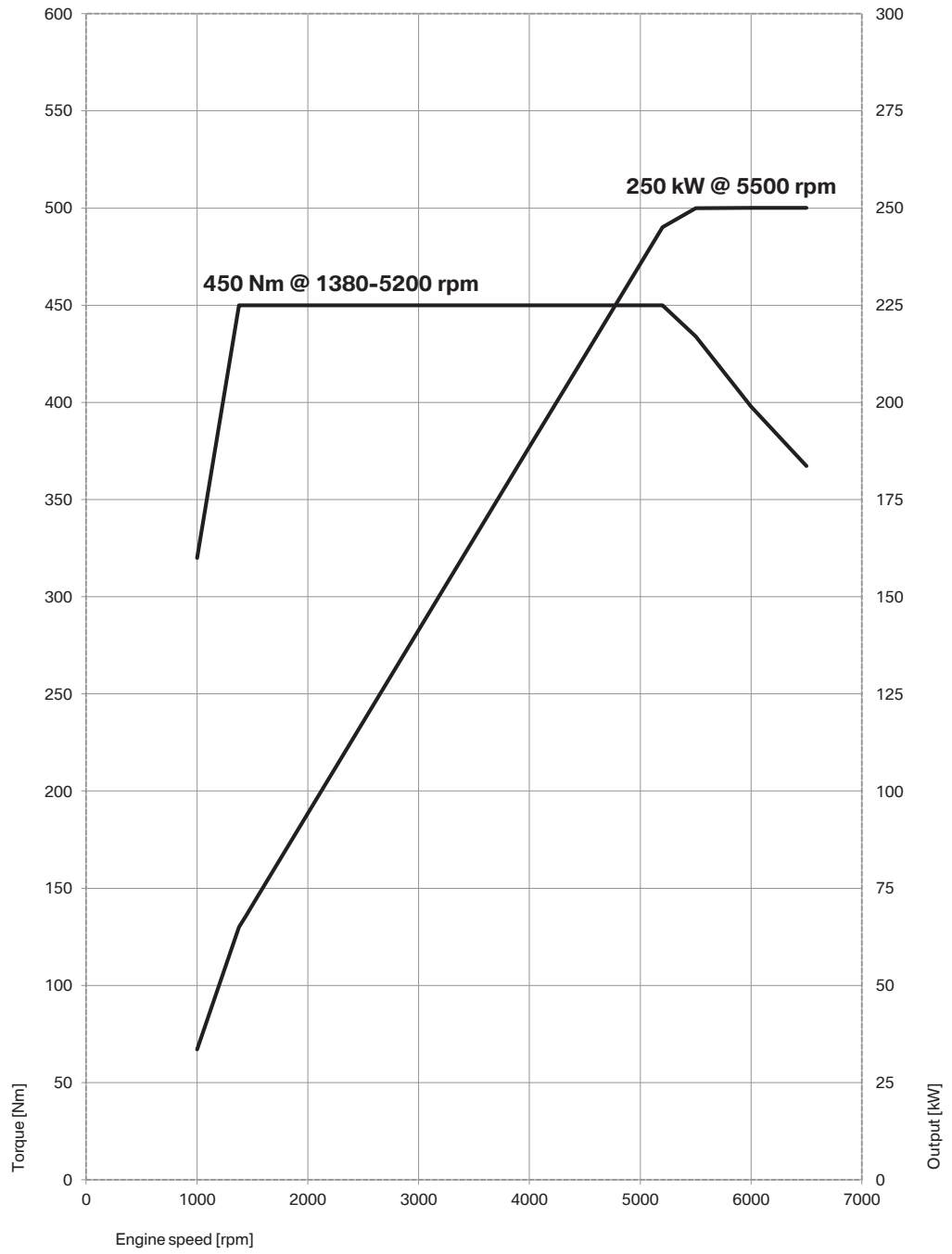
²⁾ Oil change

³⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

Output and torque diagrams. The new BMW 6 Series Gran Turismo. 630i.



The new BMW 6 Series Gran Turismo. 640i, 640i xDrive.



The new BMW 6 Series Gran Turismo. 630d, 630d xDrive.



Exterior and interior dimensions. The new BMW 6 Series Gran Turismo.

