

# Technical specifications.

## The new BMW 6 Series Gran Turismo.

### 630i.



BMW 630i Gran Turismo		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1785 / 1860
Max load to DIN	kg	665
Max permissible weight	kg	2450
Max axle load, front/rear	kg	1230 / 1380
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	600 – 1800
Air resistance	c <sub>d</sub> x A	0.25 x 2.54
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, 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
48V mild hybrid technology		
Max output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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 suspension, Executive Drive
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 on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), optional: Integral Active Steering
Steering ratio, overall	:1	17.0
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

**BMW 630i Gran Turismo**

**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	3.077

**Performance**

Power-to-weight ratio (DIN)	kg/kW	9.4
Output per litre	kW/l	95.1
Acceleration 0–100 km/h	s	6.5
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, 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
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**Fuel Consumption ECE**

Urban	l/100 km	7.4 – 7.2
Extra-urban	l/100 km	5.4 – 5.2
Combined	l/100 km	6.1 – 5.9
CO <sub>2</sub>	g/km	139 – 135
Emission rating		Euro 6d

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 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).

# The new BMW 6 Series Gran Turismo. 640i.

<b>BMW 640i Gran Turismo</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (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 <sup>2)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	1855 / 1930
Max load to DIN	kg	655
Max permissible weight	kg	2510
Max axle load, front/rear	kg	1190 / 1400
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	600 – 1800
Air resistance	c <sub>d</sub> x A	0.27 x 2.54
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, 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	245 / 333
at	rpm	5500 – 6250
Max torque	Nm	450
at	rpm	1600 – 4800
48V mild hybrid technology		
Max output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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 suspension, Executive Drive
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 on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), optional: Integral Active Steering
Steering ratio, overall	:1	17.0
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

**BMW 640i Gran Turismo**

**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	3.077

**Performance**

Power-to-weight ratio (DIN)	kg/kW	7.6
Output per litre	kW/l	81.7
Acceleration 0–100 km/h	s	5.5
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, 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
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**Fuel Consumption ECE**

Urban	l/100 km	8.9 – 8.7
Extra-urban	l/100 km	5.9 – 5.7
Combined	l/100 km	7.0 – 6.8
CO <sub>2</sub>	g/km	160 – 155
Emission rating		Euro 6d

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 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).

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

## BMW 640i xDrive Gran Turismo

### Body

No of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5091 / 1902 / 1540
Wheelbase	mm	3070
Track, front/rear	mm	1615 / 1647
Ground clearance	mm	138
Turning circle	m	12.5
Fuel tank capacity	approx. l	68
Engine oil <sup>2)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	1910 / 1985
Max load to DIN	kg	665
Max permissible weight	kg	2575
Max axle load, front/rear	kg	1240 / 1420
Max trailer load, braked (12%)/unbraked	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	600 – 1800
Air resistance	c <sub>d</sub> x A	0.27 x 2.54

### Power Unit

Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, 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	245 / 333
at	rpm	5500 – 6250
Max torque	Nm	450
at	rpm	1600 – 4800
48V mild hybrid technology		
Max output	kW/hp	8 / 11

### Electrical System

12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment

### Driving Dynamics and Safety

Suspension, front	Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear	Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front	Vented disc brakes, with four-piston fixed callipers
Brakes, rear	Vented disc brakes, with single-piston floating callipers
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Executive Drive
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 on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering	Electric Power Steering (EPS), optional: Integral Active Steering
Steering ratio, overall	:1 16.5
Tyres, front/rear	245/50 R18 100Y
Rims, front/rear	8J x 18 light-alloy

**BMW 640i xDrive Gran Turismo**

**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	3.077

**Performance**

Power-to-weight ratio (DIN)	kg/kW	7.8
Output per litre	kW/l	81.7
Acceleration 0–100 km/h	s	5.4
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic 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 behaviour, tyres with reduced rolling resistance
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**Fuel Consumption ECE**

Urban	l/100 km	9.5 – 9.4
Extra-urban	l/100 km	6.2 – 6.0
Combined	l/100 km	7.4 – 7.2
CO <sub>2</sub>	g/km	170 – 166
Emission rating		Euro 6d

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 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).

# The new BMW 6 Series Gran Turismo. 620d.

<b>BMW 620d Gran Turismo</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5091 / 1902 / 1538
Wheelbase	mm	3070
Track, front/rear	mm	1615 / 1647
Ground clearance	mm	138
Turning circle	m	12.3
Fuel tank capacity	approx. l	66
Engine oil <sup>2)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	1835 / 1910
Max load to DIN	kg	655
Max permissible weight	kg	2490
Max axle load, front/rear	kg	1150 / 1420
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	600 – 1800
Air resistance	c <sub>d</sub> x A	0.25 x 2.54
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, common-rail direct injection with solenoid injectors (max. injection pressure: 2500 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
48V mild hybrid technology		
Max output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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 suspension, Executive Drive
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 on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), optional: Integral Active Steering
Steering ratio, overall	:1	17.0
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

**BMW 620d Gran Turismo**

**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	3.077

**Performance**

Power-to-weight ratio (DIN)	kg/kW	13.1
Output per litre	kW/l	70.2
Acceleration 0–100 km/h	s	7.9
Top speed	km/h	220

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, 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 catalytic converter
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**Fuel Consumption ECE**

Urban	l/100 km	5.1 – 5.0
Extra-urban	l/100 km	4.2 – 4.1
Combined	l/100 km	4.6 – 4.4
CO <sub>2</sub>	g/km	120 – 116
Emission rating		Euro 6d

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 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).

# The new BMW 6 Series Gran Turismo. 630d.

<b>BMW 630d Gran Turismo</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (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	66
Engine oil <sup>2)</sup>	l	7.0
Weight, unladen, to DIN/EU	kg	1930 / 2005
Max load to DIN	kg	645
Max permissible weight	kg	2575
Max axle load, front/rear	kg	1215 / 1425
Max trailer load, braked (12%)/unbraked	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	600 – 1800
Air resistance	c <sub>d</sub> x A	0.25 x 2.54
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	210 / 286
at	rpm	4000
Max torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology		
Max output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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 suspension, Executive Drive
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 on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), optional: Integral Active Steering
Steering ratio, overall	:1	17.0
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

**BMW 630d Gran Turismo**

**Transmission**

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.563

**Performance**

Power-to-weight ratio (DIN)	kg/kW	9.2
Output per litre	kW/l	70.2
Acceleration 0–100 km/h	s	6.1
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, 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 catalytic converter
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**Fuel Consumption ECE**

Urban	l/100 km	6.2 – 6.1
Extra-urban	l/100 km	4.4 – 4.2
Combined	l/100 km	5.0 – 4.9
CO <sub>2</sub>	g/km	133 – 128
Emission rating		Euro 6d

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 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).

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

<b>BMW 630d xDrive Gran Turismo</b>		
<b>Body</b>		
No of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5091 / 1902 / 1540
Wheelbase	mm	3070
Track, front/rear	mm	1615 / 1647
Ground clearance	mm	138
Turning circle	m	12.5
Fuel tank capacity	approx. l	66
Engine oil <sup>2)</sup>	l	7.0
Weight, unladen, to DIN/EU	kg	1990 / 2065
Max load to DIN	kg	650
Max permissible weight	kg	2640
Max axle load, front/rear	kg	1280 / 1445
Max trailer load, braked (12%/unbraked)	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	600 – 1800
Air resistance	c <sub>d</sub> x A	0.25 x 2.54
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: multi-stage turbocharging, low-pressure turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)	
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	210 / 286
at	rpm	4000
Max torque	Nm	650
at	rpm	1500 – 2500
48V mild hybrid technology		
Max output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front	Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive	
Suspension, rear	Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling	
Brakes, front	Vented disc brakes, with four-piston fixed callipers	
Brakes, rear	Vented disc brakes, with single-piston floating callipers	
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Executive Drive	
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 on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator	
Steering	Electric Power Steering (EPS), optional: Integral Active Steering	
Steering ratio, overall	:1	16.5
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

**BMW 630d xDrive Gran Turismo**

**Transmission**

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.563

**Performance**

Power-to-weight ratio (DIN)	kg/kW	9.5
Output per litre	kW/l	70.2
Acceleration 0–100 km/h	s	5.9
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic 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 behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter
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**Fuel Consumption ECE**

Urban	l/100 km	6.7 – 6.4
Extra-urban	l/100 km	4.6 – 4.4
Combined	l/100 km	5.3 – 5.1
CO <sub>2</sub>	g/km	140 – 135
Emission rating		Euro 6d

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 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).

# The new BMW 6 Series Gran Turismo. 640d xDrive.

## BMW 640d xDrive Gran Turismo

### Body

No of doors/seats		5 / 5
Length/width/height <sup>1)</sup> (unladen)	mm	5091 / 1902 / 1540
Wheelbase	mm	3070
Track, front/rear	mm	1615 / 1647
Ground clearance	mm	138
Turning circle	m	12.5
Fuel tank capacity	approx. l	66
Engine oil <sup>2)</sup>	l	7.0
Weight, unladen, to DIN/EU	kg	2010 / 2085
Max load to DIN	kg	675
Max permissible weight	kg	2685
Max axle load, front/rear	kg	1310 / 1465
Max trailer load, braked (12%)/unbraked	kg	2100 / 750
Max roofload/max towbar download	kg	75 / 100
Luggage comp capacity	l	600 – 1800
Air resistance	c <sub>d</sub> x A	0.27 x 2.54

### Power Unit

Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, high- and low-pressure turbochargers with variable intake geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2700 bar)
Effective capacity	cc	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	250 / 340
at	rpm	4400
Max torque	Nm	700
at	rpm	1750 – 2250
48V mild hybrid technology		
Max output	kW/hp	8 / 11

### Electrical System

12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment

### Driving Dynamics and Safety

Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm, small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air suspension with automatic self-levelling
Brakes, front		Vented disc brakes, with four-piston fixed callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
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, all-wheel-drive system xDrive linked with DSC; optional: Adaptive suspension, Executive Drive
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 on all seats with belt stopper, belt tensioner and belt force limiter at the front, crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS), optional: Integral Active Steering
Steering ratio, overall	:1	16.5
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

**BMW 640d xDrive Gran Turismo**

**Transmission**

Type of transmission	Eight-speed Steptronic transmission		
Gear ratios	I	:1	5.500
	II	:1	3.520
	III	:1	2.200
	IV	:1	1.720
	V	:1	1.317
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.993
Final drive		:1	2.563

**Performance**

Power-to-weight ratio (DIN)	kg/kW	8.0
Output per litre	kW/l	83.5
Acceleration 0–100 km/h	s	5.3
Top speed	km/h	250

**BMW EfficientDynamics**

BMW EfficientDynamics standard features	Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant, Optimum Shift Indicator, Electric Power Steering, BMW EfficientLightweight, optimised aerodynamic 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 behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology with SCR catalytic converter
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**Fuel Consumption ECE**

Urban	l/100 km	6.9 – 6.7
Extra-urban	l/100 km	4.8 – 4.6
Combined	l/100 km	5.6 – 5.4
CO <sub>2</sub>	g/km	147 – 141
Emission rating		Euro 6d

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 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).