BMW Media Information

03/2021 Page 1

# Technical specifications. The new BMW 6 Series Gran Turismo. 630i.



		BMW 630i Gran Turismo
Dadu		
Body No of doors/seats		5/5
	mm	5091 / 1902 / 1538
Length/width/height 1) (unladen) Wheelbase		3070
Track, front/rear	mm	1615 / 1649
Ground clearance	mm	138
Turning circle	mm	12.3
Fuel tank capacity	approx. I	68
Engine oil 2)	арргох. і	5,25
Weight, unladen, to DIN/EU		
	kg	
Max load to DIN  Max permissible weight	kg	
Max axle load, front/rear	kg	1230 / 1380
	kg	12307 1380
Max trailer load,	1	2100 / 750
braked (12%)/unbraked	kg	2100 / 750
Max roofload/max towbar downl	oad kg	75 / 100
Luggage comp capacity		600 – 1800
Air resistance	c <sub>d</sub> x A	0.25 x 2.54
Power Unit		
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		1000 1100
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 Safet	.,	
Suspension, front		Double-wishbone axle in aluminium construction with separate lower track arm,
Suspension, none		small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air
Suspension, real		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
Diving stubility systems	`	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
		7100 X 17 light ulby

		BMW 630i Gran Turismo
		Divivi osof di ali Turisino
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios	1 :	
	II :	1 3.360
	III :	1 2.172
	IV :	1.720
	V :	1.316
	VI :	1.000
	VII :	0.822
	VIII :	0.640
	R :	3.712
Final drive	:	1 3.077
Performance		
Power-to-weight ratio (DI	N) kg/kV	V 9.4
Output per litre	kW	И 95.1
Acceleration 0–100	km/h	s 6.5
Top speed	km/	h 250
BMW EfficientDynami	cs	
BMW EfficientDynamics		Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard features		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
- 10		
Fuel Consumption EC		
Urban (NEDC)	l/100 kr	
Extra-urban (NEDC)	l/100 kr	··· •·-
Combined (NEDC)	l/100 kr	
Combined (WLTP)	l/100 kr	
CO <sub>2</sub> (NEDC)	g/kr	
CO <sub>2</sub> (WLTP)	g/kr	
Emission rating		Euro 6d

<sup>&</sup>lt;sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

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

		BMW 640i Gran Turismo
B. J		
Body No of doors/seats		5/5
	) mm	5091 / 1902 / 1538
Length/width/height 1) (unladen Wheelbase		3070
	mm	
Track, front/rear	mm	1615 / 1649
Ground clearance	mm	138
Turning circle	m	12.3
Fuel tank capacity	approx. I	68
Engine oil 2)		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,		2422 / 772
braked (12%)/unbraked	kg	2100 / 750
Max roofload/max towbar down		75 / 100
Luggage comp capacity		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
Zinginio teeriniology		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	ТРПП	1000 – 4000
Max output	kW/hp	8/11
	<u> </u>	
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
Driving Dynamics and Safet	tv	
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
Driving stability systems		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-allov

Rims, front/rear

245/50 R18 100Y 8J x 18 light-alloy

		BMW 640i Gran Turismo
		DINIVI OTOI GIAII TUTSIIIO
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios	1 :	
	II :	1 3.360
	III :	1 2.172
	IV :	1.720
	V :	1.316
	VI :	1.000
	VII :	0.822
	VIII :	0.640
	R :	3.712
Final drive	:	1 3.077
Performance		
Power-to-weight ratio (DI	N) kg/kV	7.6
Output per litre	, s	
Acceleration 0–100 k	km/h	s 5,5
Top speed	km/	h 250
BMW EfficientDynamic	re	
BMW EfficientDynamics		Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard features		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
Fuel Consumption ECI		
Urban (NEDC)	l/100 kr	
Extra-urban (NEDC)	l/100 kr	···
Combined (NEDC)	l/100 kr	
Combined (WLTP)	l/100 kr	
CO <sub>2</sub> (NEDC)	g/kr	
CO <sub>2</sub> (WLTP)	g/kr	n 190 – 175
Emission rating		Euro 6d

<sup>&</sup>lt;sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

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

		BMW 640i xDrive Gran Turismo
Body		
No of doors/seats		5/5
Length/width/height 1) (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. I	68
Engine oil 2)	1	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,	9	12.107.1.120
braked (12%)/unbraked	kg	2100 / 750
Max roofload/max towbar down		75 / 100
Luggage comp capacity	loud ng	600 – 1800
Air resistance	C <sub>d</sub> x A	0.27 x 2.54
All resistance	CaxA	0.21 X 2.34
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	A1 /	00.11
12V battery/installation	Ah/-	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Driving Dynamics and Safet	v	
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,
	1	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
A - 4- 16		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),
· · · · · <b>9</b>		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
		SS A 13 light unby

		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		Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard features		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
Fuel Consumption ECE		
Urban (NEDC)	l/100 km	9.5 – 9.4
Extra-urban (NEDC)	l/100 km	6.2 – 6.0
Combined (NEDC)	l/100 km	7.4 – 7.2
O 11 1040 TD)	1/4 0 0 1	0.0 0.0

8.8 - 8.2

170 – 166

201 - 187

Euro 6d

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

I/100 km

g/km

g/km

Combined (WLTP)

CO<sub>2</sub> (NEDC)

CO<sub>2</sub> (WLTP)

Emission rating

<sup>&</sup>lt;sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

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

03/2021 Page 7

		BMW 620d Gran Turismo
Body		
No of doors/seats		5/5
Length/width/height 1) (unladen)	mm	
Wheelbase	mm	
Track, front/rear	mm	
Ground clearance	mm	
Turning circle	m	
Fuel tank capacity	approx. I	66
Engine oil 2)	арргол. і	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		1150 / 1420
Max trailer load,	kg	113071420
braked (12%)/unbraked	kg	2100 / 750
Max roofload/max towbar downlo	ad kg	75 / 100
Luggage comp capacity	Ī	600 – 1800
Air resistance	c <sub>d</sub> x A	0.25 x 2.54
Power Unit Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, common-rail
Engine technology		direct injection with solenoid injectors (max. injection pressure: 2500 bar)
Effective consoits		
Effective capacity	CC	
Stroke/bore	mm	
Compression ratio	:1	16.5
Fuel	1.147//	Diesel 140 (400)
Max output	kW/hp	
at Manufacture	rpm	
Max torque	Nm	
at	rpm	1750 – 2500
48V mild hybrid technology Max output	kW/hp	8/11
Floatrical Cyatam		
Electrical System	Λ h /	00 / huggagg gampartment
12V battery/installation 48V battery/installation	Ah/- Ah/-	
48V Dattery/Iristallation	An	11 / engine compartment
Driving Dynamics and Safety	7	
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 transmis	ssion		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-weigh	t 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 Efficient	Dynamics		
BMW EfficientD	ynamics	N	fild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard feature		W	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
Fuel Consump	tion ECE		
Urban (NEDC)		l/100 km	5.1 – 5.0
Extra-urban (NE	DC)	l/100 km	4.2 – 4.1
Combined (NED	OC)	l/100 km	4.6 – 4.4
Combined (WLT	ΓP)	l/100 km	6.0 – 5.3
CO <sub>2</sub> (NEDC)		g/km	120 – 116
CO <sub>2</sub> (WLTP)		g/km	156 – 140
Emission rating			Euro 6d

<sup>&</sup>lt;sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

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

		BMW 630d Gran Turismo
Body		F.I.F.
No of doors/seats		5/5
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. I	66
Engine oil 2)		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	ad kg	75 / 100
Luggage comp capacity	- 1	600 – 1800
Air resistance	c <sub>d</sub> x A	0.25 x 2.54
Power Unit		
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
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
40 V Batter ym Istaliation	7411	117 drigine comparament
<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
Driving stability systems	Ç	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function,
Driving stability systems	Ç	
Driving stability systems	Ç	Brake Control), DBC (Dynamic Brake Control), Dry Braking function,
Driving stability systems  Safety equipment	\$	Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive  Standard: airbags for driver and front passenger, side airbags for driver and
		Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive
		Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive  Standard: airbags for driver and front passenger, side airbags for driver and
	Ç	Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive  Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts
	· ·	Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive  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,
Safety equipment	S	Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive  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
Safety equipment	:1	Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive  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  Electric Power Steering (EPS),
Safety equipment Steering		Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive suspension, Executive Drive  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  Electric Power Steering (EPS), optional: Integral Active Steering

Transmission   Eight-speed Steptronic transmission   Gear ratios   1				BMW 630d Gran Turismo
Type of transmission				
Sear ratios				Field and de Charles de Lancier de Charles d
:1   3.520		ssion		<u> </u>
III	Gear ratios	<u> </u>		* * * * * * * * * * * * * * * * * * * *
N				
V   1   1.317   1.000   VII   1   1.0640   R   1   1.3993   VIII   1   2.563   VIII   1   2.563   VIII   1   2.563   VIII   VIII				
VI   1   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   Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration 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				···
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     BMW EfficientDynamics     BMW EfficientDynamics   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				
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     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				
R				
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  Fuel Consumption ECE Urban (NEDC) I/100 km 6.2 – 6.1 Extra-urban (NEDC) I/100 km 4.4 – 4.2 Combined (NEDC) I/100 km 5.0 – 4.9 Combined (WLTP) I/100 km 6.4 – 5.7 CO <sub>2</sub> (NEDC) g/km 133 – 128 CO <sub>2</sub> (WLTP) g/km 167 – 150				
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 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  Fuel Consumption ECE  Urban (NEDC) I/100 km 6.2 - 6.1  Extra-urban (NEDC) I/100 km 4.4 - 4.2  Combined (NEDC) I/100 km 5.0 - 4.9  Combined (WLTP) I/100 km 6.4 - 5.7  CO <sub>2</sub> (NEDC) g/km 133 - 128  CO <sub>2</sub> (WLTP) g/km 167 - 150		R		
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  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  Fuel Consumption ECE  Urban (NEDC)  Urban (NEDC)  V100 km 6.2 – 6.1  Extra-urban (NEDC)  V100 km 5.0 – 4.9  Combined (WLTP)  V100 km 6.4 – 5.7  CO <sub>2</sub> (NEDC)  g/km 133 – 128  CO <sub>2</sub> (WLTP)  g/km 167 – 150	Final drive		:1	2.563
Output per litre     kW/I     70.2       Acceleration     0–100 km/h     s     6.1       Top speed     km/h     250       BMW EfficientDynamics       BMW EfficientDynamics     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       Fuel Consumption ECE       Urban (NEDC)     I/100 km     6.2 – 6.1       Extra-urban (NEDC)     I/100 km     4.4 – 4.2       Combined (NEDC)     I/100 km     5.0 – 4.9       Combined (WLTP)     I/100 km     6.4 – 5.7       CO <sub>2</sub> (NEDC)     g/km     133 – 128       CO <sub>2</sub> (WLTP)     g/km     167 – 150	Performance			
Acceleration 0–100 km/h s 6.1  Top speed km/h 250  BMW EfficientDynamics  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  Fuel Consumption ECE  Urban (NEDC) I/100 km 6.2 – 6.1  Extra-urban (NEDC) I/100 km 4.4 – 4.2  Combined (NEDC) I/100 km 5.0 – 4.9  Combined (WLTP) I/100 km 6.4 – 5.7  CO <sub>2</sub> (NEDC) g/km 133 – 128  CO <sub>2</sub> (WLTP) g/km 167 – 150	Power-to-weigh	t ratio (DIN)	kg/kW	9.2
Top speed   km/h   250	Output per litre		kW/l	70.2
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  Fuel Consumption ECE  Urban (NEDC)  I/100 km  6.2 – 6.1  Extra-urban (NEDC)  I/100 km  4.4 – 4.2  Combined (NEDC)  I/100 km  5.0 – 4.9  Combined (WLTP)  I/100 km  6.4 – 5.7  CO <sub>2</sub> (NEDC)  g/km  133 – 128  CO <sub>2</sub> (WLTP)  g/km  167 – 150	Acceleration	0-100 km/h	S	6.1
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  Fuel Consumption ECE  Urban (NEDC)  I/100 km  6.2 – 6.1  Extra-urban (NEDC)  I/100 km  6.4 – 4.2  Combined (NEDC)  I/100 km  5.0 – 4.9  Combined (WLTP)  I/100 km  6.4 – 5.7  CO2 (NEDC)  g/km  133 – 128  CO2 (WLTP)  g/km  167 – 150	Top speed		km/h	250
standard features  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    Fuel Consumption ECE	BMW Efficient	Dynamics		
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    Fuel Consumption ECE	BMW EfficientD	ynamics	N	fild hybrid technology with 48V starter-generator, Brake Energy Regeneration
Urban (NEDC)     V/100 km     6.2 - 6.1       Extra-urban (NEDC)     V/100 km     4.4 - 4.2       Combined (NEDC)     V/100 km     5.0 - 4.9       Combined (WLTP)     V/100 km     6.4 - 5.7       CO <sub>2</sub> (NEDC)     g/km     133 - 128       CO <sub>2</sub> (WLTP)     g/km     167 - 150	standard feature	S	W	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,
Extra-urban (NEDC)       V100 km       4.4 - 4.2         Combined (NEDC)       V100 km       5.0 - 4.9         Combined (WLTP)       V100 km       6.4 - 5.7         CO <sub>2</sub> (NEDC)       g/km       133 - 128         CO <sub>2</sub> (WLTP)       g/km       167 - 150	Fuel Consump	otion ECE		
Combined (NEDC)         V100 km         5.0 - 4.9           Combined (WLTP)         V100 km         6.4 - 5.7           CO <sub>2</sub> (NEDC)         g/km         133 - 128           CO <sub>2</sub> (WLTP)         g/km         167 - 150	Urban (NEDC)		l/100 km	6.2 – 6.1
Combined (WLTP)         I/100 km         6.4 - 5.7           CO <sub>2</sub> (NEDC)         g/km         133 - 128           CO <sub>2</sub> (WLTP)         g/km         167 - 150	Extra-urban (NE	DC)	l/100 km	4.4 – 4.2
Combined (WLTP)         I/100 km         6.4 - 5.7           CO <sub>2</sub> (NEDC)         g/km         133 - 128           CO <sub>2</sub> (WLTP)         g/km         167 - 150	Combined (NED	OC)	l/100 km	5.0 – 4.9
CO2 (NEDC)         g/km         133 – 128           CO2 (WLTP)         g/km         167 – 150			l/100 km	
CO <sub>2</sub> (WLTP) g/km 167 – 150		,		
· · ·				167 – 150
				Euro 6d

<sup>&</sup>lt;sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change

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

		BMW 630d xDrive Gran Turismo
D. d.		
Body No of doors/seats		5/5
Length/width/height 1) (unladen)	mm	5091 / 1902 / 1540
Wheelbase	mm	3070
Track, front/rear		1615 / 1647
Ground clearance	mm	138
Turning circle	mm m	12.5
		66
Engine oil 2)	pprox. l	7.0
Weight, unladen, to DIN/EU	l l	
	kg	
Max load to DIN	kg	650 2640
Max permissible weight	kg	==
Max axle load, front/rear	kg	1280 / 1445
Max trailer load,		0400 (750
braked (12%)/unbraked	kg · ·	2100 / 750
Max roofload/max towbar download		75 / 100
Luggage comp capacity		600 – 1800
<u>Air resistance</u>	c <sub>d</sub> x A	0.25 x 2.54
Power Unit		
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	СС	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	Ιριτι	1000 2000
Max output	kW/hp	8/11
Electrical System		
12V battery/installation	Ah/–	90 / luggage compartment
48V battery/installation	Ah/–	11 / engine compartment
Daining Domanics and Cafety		
Driving Dynamics and Safety		
Suspension, front	L	Double-wishbone axle in aluminium construction with separate lower track arm
Cumpanian rear		small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air
Droken front		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,
	F	Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked
Safety equipment		with DSC; optional: Adaptive suspension, Executive Drive Standard: airbags for driver and front passenger, side airbags for driver and
Jaiety equipment		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
Stooring		Electric Power Steering (EPS),
Steering		9
Steering ratio everall	:1	optional: Integral Active Steering 16.5
Steering ratio, overall	- 11	225/60 R17 99Y
Tyres, front/rear Rims, front/rear		7.5J x 17 light-alloy

			BMW 630d xDrive Gran Turismo	
Transmission				
Type of transmis	sion		Eight-speed Steptronic transmission	
Gear ratios	l	: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 EfficientI	Dynamics			
BMW EfficientDy	ynamics	N	fild hybrid technology with 48V starter-generator, Brake Energy Regeneration	
standard features		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		
Fuel Consumpt	tion ECE			
Urban (NEDC)		l/100 km	6.7 – 6.4	
Extra-urban (NED	DC)	l/100 km	4.6 – 4.4	
Combined (NED)	C)	l/100 km	5.3 – 5.1	
Combined (WLT	P)	l/100 km	6.8 – 6.0	
CO <sub>2</sub> (NEDC)		g/km	140 – 135	
CO <sub>2</sub> (WLTP)		g/km	178 – 156	
Emission rating			Euro 6d	

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

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

		BMW 640d xDrive Gran Turismo
Body		
No of doors/seats		5/5
Length/width/height 1) (unladen)		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. I	66
Engine oil 2)		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 down	load kg	75 / 100
Luggage comp capacity	1	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	RI	MW 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 Safet	7.7	
Suspension, front	-	puble-wishbone axle in aluminium construction with separate lower track arm,
Suspension, none	Di	small steering roll radius, transverse force compensation, anti-dive
Suspension, rear		Five-link axle in aluminium lightweight construction, dual elastic bearing, air
Suspension, real		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	Si	randard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering
	E/	Brake Control), DBC (Dynamic Brake Control), Dry Braking function, ading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked
	Г	with DSC; optional: Adaptive suspension, Executive Drive
Cofaty agricument		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
		ront 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,
	(	· · ·
Ct i		crash-active front head restraints, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS),
Otanian setia a sell		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 transmis	esion		Eight-speed Steptronic transmission
Gear ratios	J	:1	5,500
acai ratios	II	<u></u> :1	3.520
		: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			
		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 Efficient	Dvnamics		
BMW EfficientD			Mild hybrid technology with 48V starter-generator, Brake Energy Regeneration
standard features		,	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
Fuel Consump	tion ECE		
Urban (NEDC)		l/100 km	6.9 – 6.7
Extra-urban (NE	DC)	I/100 km	4.8 – 4.6
Combined (NED	OC)	I/100 km	5.6 – 5.4
Combined (WL7	ΓP)	I/100 km	6.8 - 6.2
CO <sub>2</sub> (NEDC)		g/km	147 – 141
CO <sub>2</sub> (WLTP)		g/km	179 – 163
Emission rating			Euro 6d

<sup>&</sup>lt;sup>1)</sup> Height including roof fin <sup>2)</sup> Oil change