

# Technical specifications.

## The new BMW 4 Series Coupé.

### 420i.



<b>BMW 420i Coupé</b>		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4768 / 1852 / 1383
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	127
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1525 / 1600
Max load to DIN	kg	490
Max permissible weight	kg	2015
Max axle load, front/rear	kg	970 / 1120
Max trailer load	kg	
braked (12%/unbraked)		1600 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	C <sub>d</sub> x A	0.25 x 2.19
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll 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	11.0
Fuel		min. RON 91
Max output	kW/hp	135 / 184
at	rpm	5000 – 6500
Max torque	Nm	300
at	rpm	1350 – 4000
<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 bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with single-piston floating 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), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, optional: variable sport steering
Steering ratio, overall	:1	14.1
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

<b>BMW 420i Coupé</b>			
<b>Transmission</b>			
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	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		10.9 (11.1)
Output per litre	kW/l		67.6
Acceleration 0–100 km/h	s		7.5
Top speed	km/h		240
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, 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		
<b>Fuel Consumption ECE</b>			
Urban	l/100 km		7.2 – 6.6
Extra-urban	l/100 km		5.0 – 4.6
Combined	l/100 km		5.8 – 5.3
CO <sub>2</sub>	g/km		132 – 122
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).

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-Scharnhausen and at <https://www.dat.de/co2/>.

# The new BMW 4 Series Coupé. 430i.

<b>BMW 430i Coupé</b>		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4768 / 1852 / 1383
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	127
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	l	5.25
Weight, unladen, to DIN/EU	kg	1545 / 1620
Max load to DIN	kg	485
Max permissible weight	kg	2030
Max axle load, front/rear	kg	980 / 1120
Max trailer load	kg	
braked (12%/unbraked)		1600 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	C <sub>d</sub> x A	0.25 x 2.19
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll 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
<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 bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with single-piston floating 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), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension, M Sport differential
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, optional: variable sport steering
Steering ratio, overall	:1	14.1
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

<b>BMW 430i Coupé</b>			
<b>Transmission</b>			
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	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		8.1
Output per litre	kW/l		95.1
Acceleration 0–100 km/h	s		5.8
Top speed	km/h		250
<b>BMW EfficientDynamics</b>			
BMW EfficientDynamics standard features	Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO and COMFORT mode with coasting function, 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		
<b>Fuel Consumption ECE</b>			
Urban	l/100 km		7.7 – 7.3
Extra-urban	l/100 km		5.3 – 4.8
Combined	l/100 km		6.1 – 5.7
CO <sub>2</sub>	g/km		141 – 131
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).

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# The new BMW 4 Series Coupé. M440i xDrive.

<b>BMW M440i xDrive Coupé</b>		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4770 / 1852 / 1393
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	129
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	l	6.5
Weight, unladen, to DIN/EU	kg	1740 / 1815
Max load to DIN	kg	505
Max permissible weight	kg	2245
Max axle load, front/rear	kg	1110 / 1190
Max trailer load	kg	
braked (12%/unbraked)		1800 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	C <sub>d</sub> x A	0.29 x 2.19
<b>Power Unit</b>		
Config/No of cyls/valves		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: TwinScroll 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	10.2
Fuel		min. RON 91
Max output	kW/hp	275 / 374
at	rpm	5500 – 6500
Max torque	Nm	500
at	rpm	1900 – 5000
48V mild hybrid technology		
Max output	kW/hp	8 / 11
<b>Electrical System</b>		
12V battery/installation	Ah/-	80 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
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), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant, all-wheel-drive system xDrive linked with DSC, M Sport differential; optional: Adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) variable sport steering with Servotronic function
Steering ratio, overall	:1	13.6
Tyres, front/rear		225/45 R18 95Y XL 255/40 R18 99Y XL
Rims, front/rear		7.5J x 18 light-alloy/ 8.5J x 18 light-alloy

<b>BMW M440i xDrive Coupé</b>			
<b>Transmission</b>			
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	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		6.3
Output per litre	kW/l		91.7
Acceleration 0–100 km/h	s		4.5
Top speed	km/h		250
<b>BMW EfficientDynamics</b>			
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		
<b>Fuel Consumption ECE</b>			
Urban	l/100 km		9.0 – 8.6
Extra-urban	l/100 km		6.0 – 5.7
Combined	l/100 km		7.1 – 6.8
CO <sub>2</sub>	g/km		161 – 155
Emission rating			Euro 6d

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

<sup>2)</sup> Oil change

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# The new BMW 4 Series Coupé. 420d.

<b>BMW 420d Coupé</b>		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4768 / 1852 / 1383
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	127
Turning circle	m	11.4
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	1605 / 1680
Max load to DIN	kg	490
Max permissible weight	kg	2095
Max axle load, front/rear	kg	1020 / 1160
Max trailer load	kg	
braked (12%/unbraked)		1600 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	C <sub>d</sub> x A	0.25 x 2.19
<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/-	70 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with single-piston floating 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), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, optional: variable sport steering
Steering ratio, overall	:1	14.1
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

<b>BMW 420d Coupé</b>			
<b>Transmission</b>			
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	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		11.5
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.1
Top speed	km/h		240
<b>BMW EfficientDynamics</b>			
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		
<b>Fuel Consumption ECE</b>			
Urban	l/100 km		4.9 – 4.5
Extra-urban	l/100 km		3.9 – 3.6
Combined	l/100 km		4.2 – 3.9
CO <sub>2</sub>	g/km		112 – 103
Emission rating			Euro 6d

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

<sup>2)</sup> Oil change

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<b>BMW 420d xDrive Coupé</b>		
<b>Body</b>		
No of doors/seats		2 / 4
Length/width/height <sup>1)</sup> (unladen)	mm	4768 / 1852 / 1390
Wheelbase	mm	2851
Track, front/rear	mm	1575 / 1611
Ground clearance	mm	126
Turning circle	m	12.0
Fuel tank capacity	approx. l	59
Engine oil <sup>2)</sup>	l	5.5
Weight, unladen, to DIN/EU	kg	1670 / 1745
Max load to DIN	kg	495
Max permissible weight	kg	2165
Max axle load, front/rear	kg	1070 / 1170
Max trailer load	kg	
braked (12%/unbraked)		1800 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity	l	440
Air resistance	C <sub>d</sub> x A	0.25 x 2.19
<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/-	70 / luggage compartment
48V battery/installation	Ah/-	11 / engine compartment
<b>Driving Dynamics and Safety</b>		
Suspension, front		Double-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with single-piston floating 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), Performance Control, Dry Braking function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive system linked with DSC; optional: Adaptive M suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, tyre pressure indicator
Steering		Electric Power Steering (EPS) with Servotronic function, optional: variable sport steering
Steering ratio, overall	:1	14.9
Tyres, front/rear		225/50 R17 98Y XL
Rims, front/rear		7.5J x 17 light-alloy

<b>BMW 420d xDrive Coupé</b>			
<b>Transmission</b>			
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	1.136
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.712
Final drive		:1	2.813
<b>Performance</b>			
Power-to-weight ratio (DIN)	kg/kW		11.9
Output per litre	kW/l		70.2
Acceleration 0–100 km/h	s		7.4
Top speed	km/h		238
<b>BMW EfficientDynamics</b>			
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		
<b>Fuel Consumption ECE</b>			
Urban	l/100 km		5.2 – 4.8
Extra-urban	l/100 km		4.2 – 4.0
Combined	l/100 km		4.6 – 4.3
CO <sub>2</sub>	g/km		121 – 112
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).

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-Scharnhausen and at <https://www.dat.de/co2/>.

# Exterior and interior dimensions. The new BMW 4 Series Coupé.

