

Specifications. BMW 4 Series Coupe. 420i



BMW 420i Coupe		
Body		
No. of doors/seats		2 / 4
Length/width/height ¹⁾ (unladen)	mm	4638 / 1825 / 1377
Wheelbase	mm	2810
Front/rear track	mm	1545 / 1594
Ground clearance	mm	130
Turning circle	m	11.3
Fuel capacity	approx. l	60
Cooling and heating system reservoir capacity	l	7.2 (7.5)
Engine oil capacity ²⁾	l	5.0
Weight, unladen (DIN/EU)	kg	1430 / 1505 (1450 / 1525)
Payload (DIN)	kg	520
Permitted total weight	kg	1950 (1970)
Permitted axle load, front/rear	kg	910 / 1095
Permitted trailer load (12%) braked/unbraked	kg	1400 / 695 (1500 / 695)
Permitted roof load/trailer download	kg	75 / 75
Luggage compartment capacity	l	445
Aerodynamic drag	c _d x A	0.29 x 2.16
Engine		
Type/no. of cylinders/valves		in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cc	1997
Stroke/bore	mm	90.1 / 84.0
Compression ratio	:1	11.0
Fuel type		min. RON 91
Output	kW/hp	135 / 184
at rpm	min ⁻¹	5000 – 6250
Torque	Nm	270
at rpm	min ⁻¹	1250 – 4500
Electrical		
Battery charge/location	Ah/–	90 / luggage compartment
Alternator current/output	A/W	170 / 2380
Driving Dynamics and Safety		
Front suspension	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive	
Rear suspension	Five-link axle in lightweight steel construction	
Front brakes	Single-piston floating-calliper disc brakes, inner-vented	
Rear brakes	Single-piston floating-calliper disc brakes, inner-vented	
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist	
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre defect indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering	
Overall steering ratio	:1	15.0
Front/rear tyres		225/50 R17 94V
Front/rear wheels		7,5J x 17 light-alloy

Specifications. BMW 4 Series Coupe.

BMW 420i Coupe			
Transmission			
Type of gearbox		6-speed manual (optional: 8-speed automatic with Steptronic)	
Gear ratios	I	:1	4.110 (4.714)
	II	:1	2.315 (3.143)
	III	:1	1.542 (2.106)
	IV	:1	1.179 (1.667)
	V	:1	1.000 (1.285)
	VI	:1	0.846 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	3.727 (3.295)
Differential ratio		:1	3.077 (3.154)
Performance			
Weight-to-power ratio (DIN unladen)	kg/kW		10.6 (10.7)
Specific power output	kW/l		67.6
Acceleration	0–100 km/h	sec.	7.3 (7.3)
	0–1,000 m	sec.	27.6 (28.0)
in 4th/5th gear	80–120 km/h	sec.	7.4 / 9.0
Max. speed	km/h		236 (236)
BMW EfficientDynamics			
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator (manual), ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	
Fuel consumption (EU) ³⁾			
With standard wheels and tyres			
Urban	l/100 km		8.4 (8.1)
Extra-urban	l/100 km		4.9 (4.8)
Total	l/100 km		6.1 (6.0)
CO ₂ emissions	g/km		144 (139)
With 8J x 18" rims and 225/45 R18 tyres and winter tyres, With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres, With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres			
Urban	l/100 km		8.6 (8.2)
Extra-urban	l/100 km		5.0 (4.9)
Combined	l/100 km		6.3 (6.1)
CO ₂ emissions	g/km		147 (142)
Emissions standard			EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Height including roof aerial

²⁾ Oil change volume

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

Specifications. BMW 4 Series Coupe. 420i xDrive



BMW 420i xDrive Coupe			
Body			
No. of doors/seats			2 / 4
Length/width/height ¹⁾ (unladen)	mm		4638 / 1825 / 1392
Wheelbase	mm		2810
Front/rear track	mm		1545 / 1594
Ground clearance	mm		145
Turning circle	m		11.8
Fuel capacity	approx. l		60
Cooling and heating system reservoir capacity	l		7.2 (7.5)
Engine oil capacity ²⁾	l		4.8
Weight, unladen (DIN/EU)	kg		1520 / 1595 (1530 / 1605)
Payload (DIN)	kg		520
Permitted total weight	kg		2040 (2050)
Permitted axle load, front/rear	kg		975 / 1110
Permitted trailer load (12%) braked/unbraked	kg		1700 / 750 (1700 / 750)
Permitted roof load/trailer download	kg		75 / 75
Luggage compartment capacity	l		445
Aerodynamic drag	c _d x A		0.30 x 2.16
Engine			
Type/no. of cylinders/valves			in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology with twin-scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control and Double-VANOS variable camshaft control	
Effective capacity	cc		1997
Stroke/bore	mm		90.1 / 84.0
Compression ratio	:1		11.0
Fuel type			min. RON 91
Output	kW/hp		135 / 184
at rpm	min ⁻¹		5000 – 6250
Torque	Nm		270
at rpm	min ⁻¹		1250 – 4500
Electrical			
Battery charge/location	Ah/–		90 / luggage compartment
Alternator current/output	A/W		170 / 2380
Driving Dynamics and Safety			
Front suspension		Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive	
Rear suspension		Five-link axle in lightweight steel construction	
Front brakes		Single-piston floating-calliper disc brakes, inner-vented	
Rear brakes		Single-piston floating-calliper disc brakes, inner-vented	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM);	
Safety equipment		Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre defect indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering	
Overall steering ratio	:1		15.2
Front/rear tyres			225/50 R17 94V
Front/rear wheels			7,5J x 17 light-alloy

Specifications. BMW 4 Series Coupe.

BMW 420i xDrive Coupe			
Transmission			
Type of gearbox		6-speed manual (optional: 8-speed automatic with Steptronic)	
Gear ratios	I	:1	4.110 (4.714)
	II	:1	2.315 (3.143)
	III	:1	1.542 (2.106)
	IV	:1	1.179 (1.667)
	V	:1	1.000 (1.285)
	VI	:1	0.846 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	3.727 (3.295)
Differential ratio		:1	3.385 (3.154)
Performance			
Weight-to-power ratio (DIN unladen)	kg/kW		11.3 (11.3)
Specific power output	kW/l		67.6
Acceleration 0–100 km/h	sec.		7.4 (7.5)
0–1,000 m	sec.		28.0 (28.3)
in 4th/5th gear 80–120 km/h	sec.		7.3 / 8.7
Max. speed	km/h		233 (231)
BMW EfficientDynamics			
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator (manual), ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	
Fuel consumption (EU) ³⁾			
With standard wheels and tyres			
Urban	l/100 km		8.9 (8.6)
Extra-urban	l/100 km		5.6 (5.1)
Total	l/100 km		6.8 (6.4)
CO ₂ emissions	g/km		159 (149)
With 8J x 18" rims and 225/45 R18 tyres and winter tyres, With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres, With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres			
Urban	l/100 km		9.1 (8.8)
Extra-urban	l/100 km		5.7 (5.2)
Combined	l/100 km		7.0 (6.5)
CO ₂ emissions	g/km		162 (152)
Emissions standard			EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Height including roof aerial

²⁾ Oil change volume

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



7. Specifications.

The new BMW 4 Series Coupe.

428i, 435i.

BMW 428i Coupe			BMW 435i Coupe	
Body				
No. of doors/seats		2 / 4		2 / 4
Length/width/height (unladen)	mm	4638 / 1825 / 1362		4638 / 1825 / 1362
Wheelbase	mm	2810		2810
Track, front/rear	mm	1545 / 1594		1545 / 1594
Ground clearance		130		130
Turning circle	m	11.3		11.3
Tank capacity	approx. ltr	60		60
Cooling system incl. heating	ltr	7.2 (7.5)		6.7 (7.2)
Engine oil ¹⁾	ltr	5.75		6.5
Weight, unladen, to DIN/EU	kg	1450/1525 (1470/1545)		1510/1585 (1525/1600)
Max load to DIN	kg	520		520
Max permissible weight	kg	1970 (1990)		2030 (2045)
Max axle load, front/rear	kg	920/1105		970/1120
Max trailer load, braked (12%/unbraked)	kg	1600 / 745		1700 / 750
Max roof load/towbar	kg	75 / 75		75 / 75
Luggage comp. capacity	ltr	445		445
Air resistance	c _d x A	0.29 x 2.16		0.30 x 2.16
Engine				
Config./No. of cyls./valves		In-line / 4 / 4		In-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology with Twin-Scroll turbocharger, High Precision Direct Injection, fully variable valve control (Valvetronic)		
Effective capacity	cm ³	1997		2979
Bore/stroke	mm	90.1 / 84.0		89.6 / 84.0
Compression ratio	:1	10.0		10.2
Fuel grade		Min. RON 91		Min. RON 91
Output	kW/hp	180 / 245		225 / 306
at	rpm	5000-6500		5800-6000
Torque	Nm	350		400
at	rpm	1250-4800		1200-5000
Electrical System				
Battery/Installation	Ah/–	90 / luggage comp.		90 / luggage comp.
Alternator	A/W	170 / 2380		170 / 2380
Driving Dynamics and Safety				
Suspension, front		Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive		
Suspension, rear		Five-link axle in lightweight steel construction		
Brakes, front		Single-piston swing-calliper disc brakes / inner-vented		
Brakes, rear		Single-piston swing-calliper disc brakes / inner-vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant		
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 latch tensioner and belt force limiter at the front, crash-activated head restraints at the front, crash sensors, Tyre Defect Indicator		
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sports Steering		
Steering ratio, overall	:1	15.0		15.0
Tyres, front/rear		225/50 R17 94W		225/50 R17 94W
Rims, front/rear		7.5J x 17 light alloys		7.5J x 17 light alloy

BMW 428i Coupe			BMW 435i Coupe	
Transmission				
Type of gearbox		Six-speed manual (optional: eight-speed automatic)		
Gear ratios	I	:1	3.498 (4.714)	4.110 (4.714)
	II	:1	2.005 (3.143)	2.315 (3.143)
	III	:1	1.313 (2.106)	1.542 (2.106)
	IV	:1	1.000 (1.667)	1.179 (1.667)
	V	:1	0.809 (1.285)	1.000 (1.285)
	VI	:1	0.701 (1.000)	0.846 (1.000)
	VII	:1	----- (0.839)	----- (0.839)
	VIII	:1	----- (0.667)	----- (0.667)
	R	:1	3.187 (3.295)	3.727 (3.295)
Final drive		:1	3.909 (3.154)	3.231 (3.154)
Performance				
Power-to-weight ratio	kg/kW	8.1 (8.2)	6.7 (6.8)	
Output per litre	kW/l	90.1	75.5	
Acceleration	0–100 km/h	s	5.9 (5.8)	5.4 (5.1)
	0–1000 m	s	25.4 (25.6)	24.3 (24.2)
in 4th gear	80–120 km/h	s	5.3 / 6.9 (-)	5.0 / 5.9 (-)
Top speed	km/h	250 (250)	250 (250)	
BMW EfficientDynamics				
BMW EfficientDynamics, standard features		Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, Optimum Shift Indicator (on models with manual gearbox), ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-controlled oil pump, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
Fuel Consumption EU ³⁾				
With standard tyres:				
Urban	l/100km	8.8 (8.1)	11.1 (10.2)	
Extra-urban	l/100km	5.3 (5.2)	6.1 (5.5)	
Combined	l/100km	6.6 (6.3)	7.9 (7.2)	
CO ₂	g/km	154 (147)	185 (169)	
Emission rating		EU6	EU6	

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission

¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

The new BMW 4 Series Coupe. 428i xDrive, 435i xDrive.

BMW 428i xDrive Coupe		BMW 435i xDrive Coupe
Body		
No. of doors/seats	2 / 4	2 / 4
Length/width/height (unladen)	mm 4638 / 1825 / 1377	4638 / 1825 / 1377
Wheelbase	mm 2810	2810
Track, front/rear	mm 1544 / 1590	1544 / 1590
Ground clearance	145	145
Turning circle	m 11.8	11.8
Tank capacity	approx. ltr 60	60
Cooling system incl. heating	ltr 7.2 (7.5)	6.7 (7.2)
Engine oil ¹⁾	ltr 5.75	6.5
Weight, unladen, to DINEU	kg 1540/1615	1590/1665
Max load to DIN	kg 520	520
Max permissible weight	kg 2080	2110
Max axle load, front/rear	kg 980/1115	1030/1120
Max trailer load, braked (12%/unbraked)	kg 1700 / 750	1800 / 750
Max roof load/towbar download	kg 75 / 75	75 / 75
Luggage comp. capacity	ltr 445	445
Air resistance	c _d x A 0.30 x 2.16	0.30 x 2.16
Engine		
Config./No. of cyls./valves	In-line / 4 / 4	In-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology with Twin-Scroll turbocharger, High Precision Direct Injection, fully variable valve control (Valvetronic)	
Effective capacity	cm ³ 1997	2979
Bore/stroke	mm 90.1 / 84.0	89.6 / 84.0
Compression ratio	:1 10.0	10.2
Fuel grade	Min. RON 91	Min. RON 91
Output	kW/hp 180 / 245	225 / 306
at	rpm 5000-6500	5800-6000
Torque	Nm 350	400
at	rpm 1250-4800	1200-5000
Electrical System		
Battery/Installation	Ah/- 90 / luggage comp.	90 / luggage comp.
Alternator	AWW 170 / 2380	170 / 2380
Driving Dynamics and Safety		
Suspension, front	Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive	
Suspension, rear	Five-link axle in lightweight steel construction	
Brakes, front	Single-piston swing-calliper disc brakes / inner-vented	
Brakes, rear	Single-piston swing-calliper disc brakes / inner-vented	
Driving stability systems	Standard: xDrive all-wheel drive, DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant	
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-activated head restraints at the front, crash sensors, Tyre Defect Indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sports Steering	
Steering ratio, overall	:1 15.0	15.0
Tyres, front/rear	225/50 R17 94W	225/50 R17 94W
Rims, front/rear	7.5J x 17 light alloys	7.5J x 17 light alloys

BMW 428i xDrive Coupe				BMW 435i xDrive Coupe
Transmission				
Type of gearbox		Eight-speed automatic		
Gear ratios	I	:1	4.714	4.714
	II	:1	3.143	3.143
	III	:1	2.106	2.106
	IV	:1	1.667	1.667
	V	:1	1.285	1.285
	VI	:1	1.000	1.000
	VII	:1	0.839	0.839
	VIII	:1	0.667	0.667
	R	:1	3.295	3.295
Final drive		:1	3.154	3.154
Performance				
Power-to-weight ratio	kg/kW		8.6	7.1
Output per litre	kW/ltr		90.1	75.5
Acceleration	0–100 km/h	s	5.8	4.9
	0–1000 m	s	25.6	24.3
in 4th gear	80–120 km/h	s	-	-
Top speed	km/h		250	250
BMW EfficientDynamics				
BMW EfficientDynamics, standard features		Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, map-controlled oil pump, final drive with optimised warm-up behaviour, tyres with reduced roll resistance		
Fuel Consumption EU ²⁾				
With standard tyres:				
Urban	l/100km		8.7	10.8
Extra-urban	l/100km		5.5	5.8
Combined	l/100km		6.7	7.6
CO ₂	g/km		157	178
Emission rating			EU6	EU6

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission

¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

The new BMW 4 Series Coupe. 420d.

BMW 420d Coupe		
Body		
No. of doors/seats		2 / 4
Length/width/height (unladen)	mm	4638 / 1825 / 1362
Wheelbase	mm	2810
Track, front/rear	mm	1545 / 1594
Ground clearance		130
Turning circle	m	11.3
Tank capacity	approx. ltr	57
Cooling system incl. heating	ltr	7.0
Engine oil ¹⁾	ltr	5.2
Weight, unladen, to DIN/EU	kg	1450/1525 (1465/1540)
Max load to DIN	kg	520
Max permissible weight	kg	1970 (1985)
Max axle load, front/rear	kg	925/1100
Max trailer load, braked (12%/unbraked	kg	1600 / 745
Max roof load/towbar	kg	75 / 75
Luggage comp. capacity	ltr	445
Air resistance	c _d x A	0.28 x 2.16
Engine		
Config./No. of cyls./valves		R / 4 / 4
Engine technology	BMW TwinPower Turbo technology: turbocharger with variable-inlet geometry, Common Rail direct injection with solenoid valve injectors, max. injection pressure: 1800 bar	
Effective capacity	cm ³	1995
Bore/stroke	mm	84.0 / 90.0
Compression ratio	:1	16.5
Fuel grade		Diesel
Output	kW/hp	135 / 184
at	rpm	4000
Torque	Nm	380
at	rpm	1750 – 2750
Electrical System		
Battery/Installation	Ah/–	90 / luggage comp.
Alternator	A/W	175 / 2450
Driving Dynamics and Safety		
Suspension, front	Aluminium double-joint spring strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive	
Suspension, rear	Five-link axle in lightweight steel construction	
Brakes, front	Single-piston swing-calliper disc brakes / inner-vented	
Brakes, rear	Single-piston swing-calliper disc brakes / inner-vented	
Driving stability systems	Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function, Fading Compensation, Start-Off Assistant	
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-activated head restraints at the front, crash sensors, Tyre Defect Indicator	
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sports Steering	
Steering ratio, overall	:1	15.0
Tyres, front/rear		225/50 R17 94W
Rims, front/rear		7.5J x 17 light alloys

BMW 420d Coupe

Transmission

Type of gearbox	Six-speed manual (optional: eight-speed automatic)	
Gear ratios	I	:1 4.110 (4.714)
	II	:1 2.248 (3.143)
	III	:1 1.403 (2.106)
	IV	:1 1.000 (1.667)
	V	:1 0.802 (1.285)
	VI	:1 0.659 (1.000)
	VII	:1 ----- (0.839)
	VIII	:1 ----- (0.667)
	R	:1 3.727 (3.295)
Final drive		:1 3.231 (2.813)

Performance

Power-to-weight ratio	kg/kW	10.7 (10.9)
Output per litre	kW/ltr	67.7
Acceleration	0–100 km/h	s 7.5 (7.3)
	0–1000 m	s 27.9 (27.7)
in 4th gear	80–120 km/h	s 5.9 / 7.5 (-)
Top speed	km/h	240 (232)

BMW EfficientDynamics

BMW EfficientDynamics, standard features	Brake Energy Regeneration, Electric Power Steering (EPS), Auto Start Stop function, ECO PRO mode, intelligent lightweight construction, on-demand operation of ancillary units, final drive with optimised warm-up behaviour, tyres with reduced roll resistance
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Fuel Consumption EU²⁾

With standard tyres:

Urban	l/100km	5.8 (5.4)
Extra-urban	l/100km	4.1 (4.1)
Combined	l/100km	4.7 (4.6)
CO ₂	g/km	124 (121)
Emission rating		EU6

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weight)
Figures in brackets apply to automatic transmission

¹⁾ Oil change

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format

Specifications. BMW 4 Series Coupe. 420d xDrive



BMW 420d xDrive Coupe			
Body			
No. of doors/seats			2 / 4
Length/width/height ¹⁾ (unladen)	mm		4638 / 1825 / 1392
Wheelbase	mm		2810
Front/rear track	mm		1545 / 1594
Ground clearance	mm		145
Turning circle	m		11.8
Fuel capacity	approx. l		57
Cooling and heating system reservoir capacity	l		7.0
Engine oil capacity ²⁾	l		5.2
Weight, unladen (DIN/EU)	kg		1530 / 1605 (1540 / 1615)
Payload (DIN)	kg		520
Permitted total weight	kg		2050 (2060)
Permitted axle load, front/rear	kg		980 / 1120
Permitted trailer load (12%) braked/unbraked	kg		1600 / 750 (1600 / 750)
Permitted roof load/trailer download	kg		75 / 75
Luggage compartment capacity	l		445
Aerodynamic drag	c _d x A		0.29 x 2.16
Engine			
Type/no. of cylinders/valves			in-line / 4 / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)		
Effective capacity	cc		1995
Stroke/bore	mm		90.0 / 84.0
Compression ratio	:1		16.5
Fuel type			Diesel
Output	kW/hp		135 / 184
at rpm	min ⁻¹		4000
Torque	Nm		380
at rpm	min ⁻¹		1750 – 2750
Electrical			
Battery charge/location	Ah/–		90 / luggage compartment
Alternator current/output	A/W		170 / 2380
Driving Dynamics and Safety			
Front suspension	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive		
Rear suspension	Five-link axle in lightweight steel construction		
Front brakes	Single-piston floating-calliper disc brakes, inner-vented		
Rear brakes	Single-piston floating-calliper disc brakes, inner-vented		
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM);		
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre defect indicator		
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering		
Overall steering ratio	:1		15.0
Front/rear tyres			225/50 R17 94W
Front/rear wheels			7,5J x 17 light-alloy

Specifications. BMW 4 Series Coupe.

BMW 420d xDrive Coupe

Transmission

Type of gearbox	6-speed manual (optional: 8-speed automatic with Steptronic)		
Gear ratios	I	:1	4.110 (4.714)
	II	:1	2.248 (3.143)
	III	:1	1.403 (2.106)
	IV	:1	1.000 (1.667)
	V	:1	0.802 (1.285)
	VI	:1	0.659 (1.000)
	VII	:1	– (0.839)
	VIII	:1	– (0.667)
	R	:1	3.727 (3.295)
Differential ratio		:1	3.231 (2.813)

Performance

Weight-to-power ratio (DIN unladen)	kg/kW	11.3 (11.4)
Specific power output	kW/l	67.7
Acceleration 0–100 km/h	sec.	7.5 (7.3)
0–1,000 m	sec.	27.9 (27.7)
in 4th/5th gear 80–120 km/h	sec.	6.3 / 8.1
Max. speed	km/h	236 (229)

BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator (manual), ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance
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Fuel consumption (EU) ³⁾

With standard wheels and tyres		
Urban	l/100 km	5.9 (5.6)
Extra-urban	l/100 km	4.1 (4.2)
Total	l/100 km	4.8 (4.7)
CO ₂ emissions	g/km	126 (124)
With 8J x 18" rims and 225/45 R18 tyres and winter tyres, With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres, With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres		
Urban	l/100 km	6.0 (5.8)
Extra-urban	l/100 km	4.2 (4.3)
Combined	l/100 km	4.9 (4.9)
CO ₂ emissions	g/km	129 (128)
Emissions standard		EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Height including roof aerial

²⁾ Oil change volume

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

Specifications. BMW 4 Series Coupe. 430d



BMW 430d Coupe			
Body			
No. of doors/seats			2 / 4
Length/width/height ¹⁾ (unladen)	mm		4638 / 1825 / 1377
Wheelbase	mm		2810
Front/rear track	mm		1545 / 1594
Ground clearance	mm		130
Turning circle	m		11.3
Fuel capacity	approx. l		57
Cooling and heating system reservoir capacity	l		⁴⁾
Engine oil capacity ²⁾	l		6.5
Weight, unladen (DIN/EU)	kg		1540 / 1615
Payload (DIN)	kg		520
Permitted total weight	kg		2060
Permitted axle load, front/rear	kg		985 / 1120
Permitted trailer load (12%) braked/unbraked	kg		1800 / 750
Permitted roof load/trailer download	kg		75 / 75
Luggage compartment capacity	l		445
Aerodynamic drag	c _d x A		0.29 x 2.16
Engine			
Type/no. of cylinders/valves			in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology with variable-geometry turbocharger, Common Rail direct injection with solenoid valve injectors (max. injection pressure: 1800 bar)		
Effective capacity	cc		2993
Stroke/bore	mm		90.0 / 84.0
Compression ratio	:1		16.5
Fuel type			Diesel
Output	kW/hp		190 / 258
at rpm	min ⁻¹		4000
Torque	Nm		560
at rpm	min ⁻¹		2000 – 3000
Electrical			
Battery charge/location	Ah/–		90 / luggage compartment
Alternator current/output	A/W		220 / 3080
Driving Dynamics and Safety			
Front suspension	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive		
Rear suspension	Five-link axle in lightweight steel construction		
Front brakes	Single-piston floating-calliper disc brakes, inner-vented		
Rear brakes	Single-piston floating-calliper disc brakes, inner-vented		
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist		
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre defect indicator		
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering		
Overall steering ratio	:1		15.0
Front/rear tyres			225/50 R17 94W
Front/rear wheels			7,5J x 17 light-alloy

Specifications. BMW 4 Series Coupe.

BMW 430d Coupe			
Transmission			
Type of gearbox		8-speed automatic with Steptronic	
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Differential ratio		:1	2.563
Performance			
Weight-to-power ratio (DIN unladen)		kg/kW	8.1
Specific power output		kW/l	63.5
Acceleration	0–100 km/h	sec.	5.5
	0–1,000 m	sec.	25.0
in 4th/5th gear	80–120 km/h	sec.	–
Max. speed		km/h	250
BMW EfficientDynamics			
BMW EfficientDynamics Features included as standard		Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance	
Fuel consumption (EU) ³⁾			
With standard wheels and tyres			
Urban	l/100 km		5.7
Extra-urban	l/100 km		4.5
Total	l/100 km		4.9
CO ₂ emissions	g/km		129
With 8J x 18" rims and 225/45 R18 tyres and winter tyres, With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres, With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres			
Urban	l/100 km		5.8
Extra-urban	l/100 km		4.6
Combined	l/100 km		5.0
CO ₂ emissions	g/km		132
Emissions standard			EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany

¹⁾ Height including roof aerial

²⁾ Oil change volume

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

⁴⁾ Data not yet available

Specifications. BMW 4 Series Coupe. 435d xDrive



BMW 435d xDrive Coupe			
Body			
No. of doors/seats			2 / 4
Length/width/height ¹⁾ (unladen)	mm		4638 / 1825 / 1392
Wheelbase	mm		2810
Front/rear track	mm		1545 / 1594
Ground clearance	mm		145
Turning circle	m		11.8
Fuel capacity	approx. l		57
Cooling and heating system reservoir capacity	l		⁴⁾
Engine oil capacity ²⁾	l		6.5
Weight, unladen (DIN/EU)	kg		1625 / 1700
Payload (DIN)	kg		520
Permitted total weight	kg		2145
Permitted axle load, front/rear	kg		1050 / 1135
Permitted trailer load (12%) braked/unbraked	kg		1800 / 750
Permitted roof load/trailer download	kg		75 / 75
Luggage compartment capacity	l		445
Aerodynamic drag	c _d x A		0.30 x 2.16
Engine			
Type/no. of cylinders/valves			in-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology with multi-stage variable-geometry high-pressure turbocharger, Common Rail direct injection with piezo injectors (max. injection pressure 2000 bar)		
Effective capacity	cc		2993
Stroke/bore	mm		90.0 / 84.0
Compression ratio	:1		16.5
Fuel type			Diesel
Output	kW/hp		230 / 313
at rpm	min ⁻¹		4400
Torque	Nm		630
at rpm	min ⁻¹		1500 – 2500
Electrical			
Battery charge/location	Ah/–		90 / luggage compartment
Alternator current/output	A/W		210 / 2940
Driving Dynamics and Safety			
Front suspension	Aluminium double-joint spring-strut axle with displaced camber, small positive steering roll radius, compensation of lateral forces, anti-dive		
Rear suspension	Five-link axle in lightweight steel construction		
Front brakes	Single-piston floating-calliper disc brakes, inner-vented		
Rear brakes	Single-piston floating-calliper disc brakes, inner-vented		
Driving stability systems	Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assist, linked to xDrive all-wheel-drive system in Integrated Chassis Management (ICM);		
Safety equipment	Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags, front and rear head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre defect indicator		
Steering	Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Variable Sport Steering		
Overall steering ratio	:1		15.0
Front/rear tyres			225/50 R17 94W
Front/rear wheels			7,5J x 17 light-alloy

Specifications. BMW 4 Series Coupe.

BMW 435d xDrive Coupe

Transmission

Type of gearbox	8-speed automatic with Steptronic		
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.106
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	R	:1	3.317
Differential ratio		:1	2.563

Performance

Weight-to-power ratio (DIN unladen)	kg/kW	7.1
Specific power output	kW/l	76.8
Acceleration 0–100 km/h	sec.	4.7
0–1,000 m	sec.	23.7
in 4th/5th gear 80–120 km/h	sec.	–
Max. speed	km/h	250

BMW EfficientDynamics

BMW EfficientDynamics Features included as standard	Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, ECO PRO mode with coasting function, intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance
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Fuel consumption (EU) ³⁾

With standard wheels and tyres		
Urban	l/100 km	6.4
Extra-urban	l/100 km	4.9
Total	l/100 km	5.4
CO ₂ emissions	g/km	143
With 8J x 18" rims and 225/45 R18 tyres and winter tyres, With 8J x 18" front rims, 8.5J x 18" rear rims, 225/45 R18 front tyres and 255/40 R18 rear tyres, With 8J x 19" front rims, 8.5J x 19" rear rims, 225/40 R19 front tyres and 255/35 R19 rear tyres		
Urban	l/100 km	6.6
Extra-urban	l/100 km	5.0
Combined	l/100 km	5.6
CO ₂ emissions	g/km	146
Emissions standard		EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany

¹⁾ Height including roof aerial

²⁾ Oil change volume

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

⁴⁾ Data not yet available