BMW Media information

09/2014 Page 30

8. Specifications. BMW 220i Convertible, BMW 228i Convertible.



		BMW 220i Convertible	BMW 228i Convertible
Dadu			
Body No. of doors/seats		0.1.4	2/4
Length/width/height (unladen)		2/4	2/4
Wheelbase	mm	4432 / 1774 / 1413	4432 / 1774 / 1413 2690
Track, front/rear	mm	2690	
Ground clearance	mm	1521 / 1556 140	140
Turning circle	mm	10.9	10.9
Fuel tank capacity	m	52	52
T del tarik capacity	approx. Itr	32	52
Cooling system incl. heater	ltr	7.6 (6.9)	7.0 (7.6)
Engine oil ¹⁾	ltr	5.0	5.0
Weight, unladen, to DIN/EU	kg	1510 / 1585	1535 / 1610
vvoignt, aniadon, to bit vizo	ĸg	(1530 / 1605)	(1555 / 1630)
Max. load to DIN	kg	470	440
Max. permissible weight	kg	1980 (2000)	1975 (1995)
Max. axle load, front/rear	kg	885 / 1160	900 / 1130
Max. trailer load,	kg	1200 / 750	1200 / 750
braked (12%)/unbraked	ı vg	12007700	12007700
Max. roof load/max towbar download	kg	-175	- / 75
Luggage comp. capacity	ltr	280 – 335	280 – 335
Air resistance	C _d x A	0.32 x 2.13	0.33 x 2.13
Power Unit			
Config./No. of cyls./valves		in-line / 4 / 4	in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology with twin-so	croll turbocharging,
		High Precision Direct Injection, fully variable valve cont	rol (VALVETRONIC) and
		Double-VANOS variable camshaft of	control
Effective capacity	cm ³	1997	1997
Stroke/bore	mm	90.1 / 84.0	90.1 / 84.0
Compression ratio	:1	11.0	10.0
Fuel		min RON 91	min RON 91
Max. output	kW/hp	135 / 184	180 / 245
at	rpm	5000 – 6250	5000 – 6500
Max torque	Nm	270	350
<u>at</u>	rpm	1250 – 4500	1250 – 4800
Electrical System			
Battery/installation	Ah/-	80 / luggage comp.	80 / luggage comp.
Alternator	A/W	170 / 2380	170 / 2380
D.:			
Driving Dynamics and Safet	у		
Suspension, front		Aluminium double-joint spring stru	
Suspension, rear		Five-link axle in lightweight steel construction with	
Brakes, front		Single-piston floating-calliper disc b	
Brakes, rear		Single-piston floating-calliper disc b	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic 7	"
		(Cornering Brake Control), DBC (Dynamic Brake Control)	
Cefet : a suite se a et		Fading Compensation, Start-Off Ass	
Safety equipment	;	Standard: airbags for driver and front passenger, side a passenger combined with head airbags, three-point in	ortic rool coatbolts on all
		seats with belt tensioner and belt force limit	
		crash sensors, rollover protection system, Tyre	
Steering		Electric Power Steering (EPS)	
-		optional: Servotronic function, variable sp	•
Steering ratio, overall	:1	15.0	15.0
Tyres, front/rear		205/55 R16 91W	205/50 R17 89Y
Rims, front/rear		7J x 16 light-alloy	7J x 17 light-alloy
· · · · · · · · · · · · · · · · · · ·			<u> </u>

			BMW 220i Convertible	BMW 228i Convertible
Transmission	1			
Type of transm	nission		6-speed manual gearbox (optional: 8-spee	d automatic with Steptronic)
Gear ratios	I	:1	4.551 (4.714)	3.683 (4.714
	II	:1	2.548 (3.143)	2.062 (3.143
	III	:1	1.659 (2.106)	1.313 (2.106
	IV	:1	1.230 (1.667)	1.000 (1.667
	V	:1	1.000 (1.285)	0.809 (1.285
	VI	:1	0.830 (1.000)	0.677 (1.000
	VII	:1	- (0.839)	- (0.839
	VIII	:1	- (0.667)	- (0.667
	R	:1	4.138 (3.295)	3.348 (3.295
Final drive		:1	3.154 (3.077)	3.909 (3.077
Performance				
Power-to-weig	ht ratio (DIN)	kg/kW	11.2 (11.3)	8.5 (8.6
Output per litre)	kW/ltr	67.6	90.1
Acceleration	0–100 km/h	S	7.5 (7.6)	6.1 (6.0
	0–1000 m	S	3)	3
In 5th gear	80-120 km/h	s	9.3 (–)	7.2 (–
ırı ətri dear			5.5 ()	
	00 120 KIIIII	km/h	231 (226)	250 (250
Top speed BMW Efficien		km/h	231 (226)	250 (250)
Top speed	ntDynamics	km/h	231 (226) Brake Energy Regeneration with r	
Top speed BMW Efficien	ntDynamics Dynamics	km/h	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto	ecuperation display,
Top speed BMW Efficient BMW Efficient	ntDynamics Dynamics	km/h	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun	ecuperation display, op function, Optimum Gearshift ction (automatic transmission),
Top speed BMW Efficient BMW Efficient	ntDynamics Dynamics	km/h	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes,
Top speed BMW Efficient BMW Efficient	ntDynamics Dynamics	km/h	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units,	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump,
Top speed BMW Efficient BMW Efficient	ntDynamics Dynamics	km/h	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour,
Top speed BMW Efficient BMW Efficient	ntDynamics Dynamics	km/h	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units,	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour,
Top speed BMW Efficien BMW Efficientl standard featur	atDynamics Dynamics res	km/h	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour,
Top speed BMW Efficien BMW Efficientl standard featur	ntDynamics Dynamics res		Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with of tyres with reduced roll r	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour,
Top speed BMW Efficien BMW Efficientl standard featur Fuel consum With standard t	ntDynamics Dynamics res	i, tyres 20:	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour,
Top speed BMW Efficien BMW Efficientl standard featur Fuel consum With standard t	ntDynamics Dynamics res ption EU ^{2) 3)} tyres: rims 7J x 16 rres 205/50 R17 (l	i, tyres 20:	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance
Top speed BMW Efficien BMW Efficientl standard featur Fuel consum With standard t rims 7J x 17, ty	ntDynamics Dynamics res ption EU ^{2) 3)} Eyres: rims 7J x 16 rres 205/50 R17 (I	i, tyres 20: BMW 228	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8
Top speed BMW Efficien BMW Efficientl standard featur Fuel consum; With standard t rims 7J x 17, ty Urban Extra-urban	ntDynamics Dynamics res ption EU ^{2) 3)} Eyres: rims 7J x 16 rres 205/50 R17 (I	i, tyres 20: BMW 228 I/100 km	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3
Top speed BMW Efficien BMW Efficientl standard featur Fuel consum With standard t rims 7J x 17, ty Urban	ntDynamics Dynamics res ption EU ^{2) 3)} Eyres: rims 7J x 16 rres 205/50 R17 (I	i, tyres 20: BMW 228 I/100 km I/100 km	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3 6.8 (6.6)
Top speed BMW Efficien BMW Efficientl standard featur Fuel consum With standard t rims 7J x 17, ty Urban Extra-urban Combined CO ₂	ption EU ^{2) 3)} tyres: rims 7J x 16 rres 205/50 R17 (l	i, tyres 20: BMW 228 I/100 km I/100 km I/100 km g/km	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r 5/55 R16 (BMW 220i Convertible), ii Convertible) 8.9 (8.3) 5.1 (5.0) 6.5 (6.2)	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3 6.8 (6.6 159 (154
Fuel consumply With standard trims 7J x 17, ty Urban Extra-urban Combined CO2 with rims 7J x 2 x 2 x 3 x 4 x 5 x 5 x 5 x 5 x 5 x 5 x 5 x 5 x 5	ption EU ^{2) 3)} tyres: rims 7J x 16 rres 205/50 R17 (I	i, tyres 20: BMW 228 I/100 km I/100 km I/100 km g/km 50 R17, w	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with of tyres with reduced roll r 5/55 R16 (BMW 220i Convertible), it Convertible) 8.9 (8.3) 5.1 (5.0) 6.5 (6.2) 152 (144)	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3 6.8 (6.6 159 (154
Fuel consum With standard trims 7J x 17, ty Urban Extra-urban Combined CO ₂ with rims 7J x 2 with rims 7J x 3 with rims 7J x 3 with rims 7J x 3	ption EU ^{2) 3)} tyres: rims 7J x 16 rres 205/50 R17 (I	i, tyres 20: BMW 228 I/100 km I/100 km I/100 km g/km 50 R17, wi	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with of tyres with reduced roll r 5/55 R16 (BMW 220i Convertible), it Convertible) 8.9 (8.3) 5.1 (5.0) 6.5 (6.2) 152 (144) ith rims 7.5J x 17 and tyres 225/45 R 17 as weight	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3 6.8 (6.6 159 (154
Fuel consum With standard trims 7J x 17, ty Urban Extra-urban Combined CO ₂ with rims 7J x 2 with rims 7J x 3 with rims 7J x 3 with rims 7J x 3	ption EU ^{2) 3)} tyres: rims 7J x 16 tyres 205/50 R17 (I	i, tyres 20: BMW 228 I/100 km I/100 km I/100 km g/km 50 R17, wi	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun- intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with of tyres with reduced roll r 5/55 R16 (BMW 220i Convertible), ii Convertible) 8.9 (8.3) 5.1 (5.0) 6.5 (6.2) 152 (144) ith rims 7.5J x 17 and tyres 225/45 R 17 as we tyres 225/45 R17 front, 245/40 R17 rear,	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3 6.8 (6.6 159 (154
Fuel consumply With standard trims 7J x 17, ty Urban Extra-urban Combined CO2 with rims 7J x 3 with rims 7.5J x with rims 7.5	ption EU ^{2) 3)} tyres: rims 7J x 16 tyres 205/50 R17 (I	i, tyres 20: BMW 228 I/100 km I/100 km g/km 50 R17, w rear and t	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r 5/55 R16 (BMW 220i Convertible), it Convertible) 8.9 (8.3) 5.1 (5.0) 6.5 (6.2) 152 (144) ith rims 7.5J x 17 and tyres 225/45 R 17 as we tyres 225/45 R17 front, 245/40 R17 rear, tyres 225/40 R18 front, 245/35 R18 rear 9.3 (8.6)	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3 6.8 (6.6 159 (154
Fuel consum; With standard trims 7J x 17, ty Urban Extra-urban Combined CO2 with rims 7J x 2 with rims 7.5J x with rims 7.5J x	ption EU ^{2) 3)} Eyres: rims 7J x 16 Eyres 205/50 R17 (I	i, tyres 20: BMW 228 I/100 km I/100 km g/km g0 R17, wi rear and to	Brake Energy Regeneration with r Electric Power Steering (EPS), Auto Start Sto Indicator, ECO PRO mode with coasting fun intelligent lightweight construction, optimi on-demand operation of ancillary units, detachable a/c compressor, final drive with o tyres with reduced roll r 5/55 R16 (BMW 220i Convertible), it Convertible) 8.9 (8.3) 5.1 (5.0) 6.5 (6.2) 152 (144) ith rims 7.5J x 17 and tyres 225/45 R 17 as we tyres 225/45 R17 front, 245/40 R17 rear, tyres 225/40 R18 front, 245/35 R18 rear	ecuperation display, op function, Optimum Gearshift ction (automatic transmission), sed aerodynamic attributes, map-controlled oil pump, optimised warm-up behaviour, esistance 9.1 (8.8 5.5 (5.3 6.8 (6.6) 159 (154)

EU6

EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight) Figures in brackets apply to models with automatic transmission

Emission rating

 $^{^{1)}}$ Oil change $^{2)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{3)}$ Data not yet available

09/2014 Page 32

BMW M235i Convertible.

		BMW M235i Convertible
Dodu		
Body No. of doors/seats		0.14
		2/4
Length/width/height (unladen)	mm	4454 / 1774 / 1403
Wheelbase	mm	2690
Track, front/rear	mm	1516 / 1534
Ground clearance	mm	130
Turning circle	m	10.9
Fuel tank capacity	approx. Itr	52
Cooling system incl. heater	ltr	6.7 (7.2)
Engine oil ¹⁾	ltr	6.5
Weight, unladen, to DIN/EU	kg	1600 / 1675 (1620 / 1695)
Max. load to DIN	kg	430
Max. permissible weight	kg	2030 (2050)
Max. axle load, front/rear		960 / 1145
-	kg	90071145
Max. trailer load, braked (12%)/unbraked	kg	-/- -/-
Max. roof load/max towbar download	kg	·
Luggage comp. capacity	ltr	280 – 335
Air resistance	C _d x A	0.35 x 2.13
Power Unit		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		M TwinPower Turbo technology with twin-scroll turbocharging, High Precision Direct Injection, fully variable valve control (VALVETRONIC) and Double-VANOS variable camshaft control
Effective capacity	cm ³	2979
Stroke/bore	mm	89.6 / 84.0
Compression ratio	:1	10.2
Fuel		min RON 91
Max. output	kW/hp	240 / 326
at	rpm	5800 - 6000
Max torque	Nm	450
at	rpm	1300 – 4500
Electrical System		
Battery/installation	Ah/-	QQ / luggagg gamp
Alternator	AW	80 / luggage comp. 170 / 2380
Alternator	A/VV	17072380
Driving Dynamics and Safet	у	
Suspension, front		Aluminium double-joint spring strut axle
Company of the compan		with M-specific elastokinematics
Suspension, rear		Five-link axle in lightweight steel construction with double elastic bearing
Brakes, front		Four-piston fixed-calliper disc brakes
Brakes, rear		Twin-piston fixed-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS, ASC 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 combined with head airbags, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front, crash sensors, rollover protection system, Tyre Pressure Indicator
Steering		Electric Power Steering (EPS), variable sport steering
Steering ratio, overall	:1	
Tyres, front/rear		225/40 R18 88Y/
Dima front/roor		
mins, iiuniviedi		7.5J x 18 light-alloy
Steering ratio, overall	:1	crash sensors, rollover protection system, Tyre Pressure Indica Electric Power Steering (EPS), variable sport steering 14.4 225/40 R18 88Y/ 245/35 R 18 92Y XL 7.5J x 18 light-alloy/

			BMW M235i Convertible
			DIMW M2331 Convertible
Transmission	 I		
Type of transm	•		6-speed manual gearbox (optional: 8-speed automatic with Steptronic)
Gear ratios	1	:1	4.110 (4.714)
	11	: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)
Final drive		:1	3.077 (3.077)
Performance			
Power-to-weigh	nt ratio (DIN)	kg/kW	6.7 (6.8)
Output per litre		kW/ltr	80.6
Acceleration	0–100 km/h	S	5.2 (5.0)
	0–1000 m	S	2)
In 5th gear	80-120 km/h	S	5.6 (–)
Top speed		km/h	250 (250)
BMW Efficien	tDynamics		
BMW Efficient[Dynamics		Brake Energy Regeneration with recuperation display,
standard feature	es		Electric Power Steering (EPS), Auto Start Stop function, Optimum Gearshift
			Indicator, ECO PRO mode with coasting function (automatic transmission),
			intelligent lightweight construction, optimised aerodynamic attributes,
			on-demand operation of ancillary units, map-controlled oil pump,
			detachable a/c compressor, final drive with optimised warm-up behaviour
Fuel consump	otion EU		
Urban		I/100 km	11.5 (10.7)
Extra-urban		I/100 km	6.8 (6.2)
Combined		I/100 km	8.5 (7.9)
CO ₂		g/km	199 (184)
Emission rating			EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight) Figures in brackets apply to models with automatic transmission

¹⁾ Oil change ²⁾ Data not yet available

BMW 220d Convertible.

09/20	114
Page	34

		BMW 220d Convertible
Body		
No. of doors/seats		2/4
Length/width/height (unladen)	mm	4432 / 1774 / 1413
Wheelbase	mm	2690
Track, front/rear	mm	1521 / 1556
Ground clearance	mm	140
Turning circle	m	10.9
Fuel tank capacity	approx.	52
	ltr	
Cooling system incl. heater	ltr	7.0
Engine oil ¹⁾	ltr	5.0
Weight, unladen, to DIN/EU	kg	1535 / 1610
3 4, 5 5 5 7 5 5	9	(1555 / 1630)
Max. load to DIN	kg	470
Max. permissible weight	kg	2005 (2025)
Max. axle load, front/rear	kg	905 / 1155
Max. trailer load,	kg	3037 1103
braked (12%)/unbraked	Ny	1500 / 750
Max. roof load/max towbar	l/c	
download	kg	-113
Luggage comp. capacity	ltr	280 – 335
Air resistance	C _d x A	0.31 x 2.13
7 11 10010101100	Od X A	0.01 x 2.10
Power Unit		
Config./No. of cyls./valves		in line / 4 / 4
Engine technology		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry,
		common rail direct injection with solenoid valve injectors, max. injection
Effective and the		pressure: 2,000 bar
Effective capacity	cm ³	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
Electrical System		
Battery/installation	Ah/-	90 / luggage comp.
Alternator	A/W	150 / 2100
Driving Dynamics and Safety	,	
Suspension, front		Aluminium double-joint spring strut axle
Suspension, rear		Five-link axle in lightweight steel construction with double elastic bearing
Brakes, front		Single-piston floating-calliper disc brakes
Brakes, rear		Single-piston floating-calliper disc brakes Single-piston floating-calliper disc brakes
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC
	(Cornering Brake Control), DBC (Dynamic Brake Control), Dry Braking function,
0.6		Fading Compensation, Start-Off Assistant
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front
		passenger combined with head airbags, three-point inertia-reel seatbelts on all seats with belt tensioner and belt force limiter at the front,
		crash sensors, rollover protection system, Tyre Pressure Indicator
Steering		Electric Power Steering (EPS),
		optional: Servotronic function, variable sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear	.1	
Rims, front/rear		205/55 R16 91W 7J x 16 light-alloy

			BMW 220d Convertible
Transmission			
Type of transmi	ssion		6-speed manual gearbox (optional: 8-speed automatic with Steptronic)
Gear ratios	I	:1	4.110 (5.000)
	II	:1	2.248 (3.200)
	III	:1	1.403 (2.143)
	IV	:1	1.000 (1.720)
	V	:1	0.802 (1.314)
	VI	:1	0.659 (1.000)
	VII	:1	- (0.822)
	VIII	:1	- (0.640)
	R	:1	3.727 (3.456)
Final drive		:1	3.231 (2.647)
Performance			
Power-to-weigh	t ratio (DIN)	kg/kW	11.0 (11.1)
Output per litre		kW/ltr	70.2
Acceleration	0–100 km/h	S	7.5 (7.4)
	0–1000 m	S	3)
In 4th/5th gear	80-120 km/h	S	7.7 (–)
Top speed		km/h	225 (225)
DAMA/ECC:			
BMW Efficient	Dynamics		

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, Electric Power Steering (EPS), Auto Start Stop function, Optimum Gearshift Indicator, ECO PRO mode with coasting function (automatic transmission), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, detachable a/c compressor, final drive with optimised warm-up behaviour, tyres with reduced roll resistance

Fuel consumption I	EU ²⁾	
With standard tyres		
Urban	l/100 km	5.5 (4.7)
Extra-urban	l/100 km	3.8 (3.7)
Combined	l/100 km	4.4 (4.1)
CO ₂	g/km	116 (108)
with rims 7J x 17 and	tyres 205/50 R17, with rims 7.5J x	17 and tyres 225/45 R 17 as well as winter tyres,
with rims 7.5J x 17 fro	ont, 8J x 17 rear and tyres 225/45 R	17 front, 245/40 R17 rear,
with rims 7.5J x 18 fro	ont, 8J x 18 rear and tyres 225/40 R	18 front, 245/35 R18 rear
Urban	l/100 km	5.8 (5.2)
Extra-urban	l/100 km	4.1 (4.0)
Combined	l/100 km	4.7 (4.4)
CO ₂	g/km	124 (116)
Emission rating		EU6

Specifications apply to ACEA markets/data relevant to homologation apply in part only to Germany (weight) Figures in brackets apply to models with automatic transmission

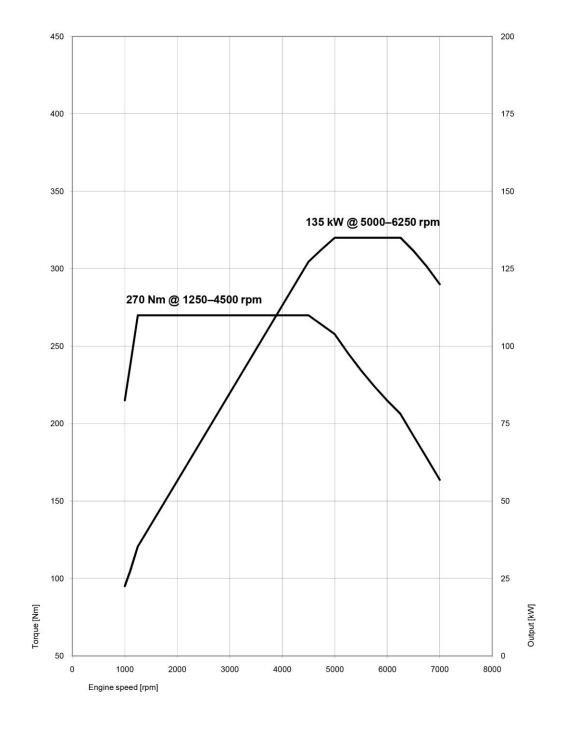
 $^{^{1)}}$ Oil change $^{2)}$ Fuel consumption and $\rm CO_2$ emissions depend on the selected tyre format $^{3)}$ Data not yet available

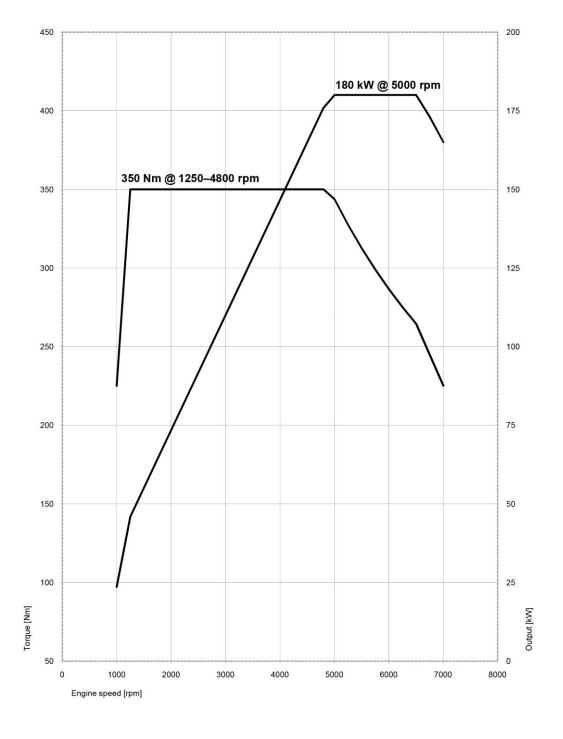
BMW Media information 09/2014

Page 36

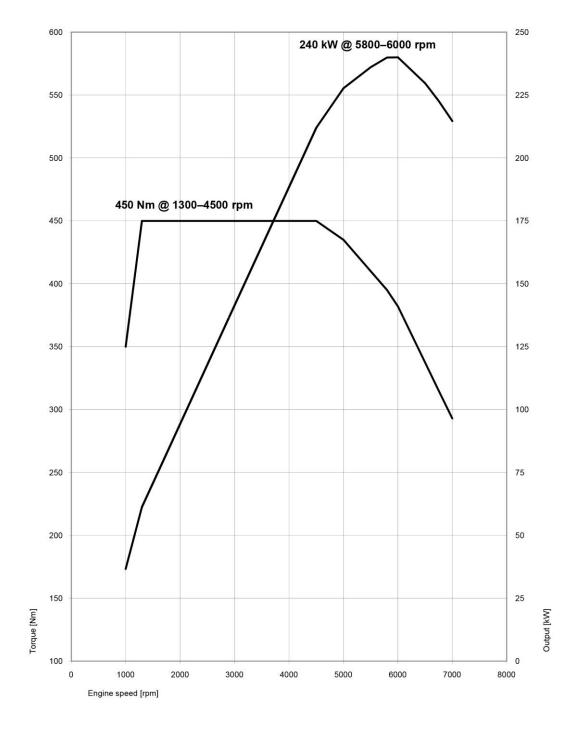
9. Output and torque diagrams. BMW 220i Convertible.



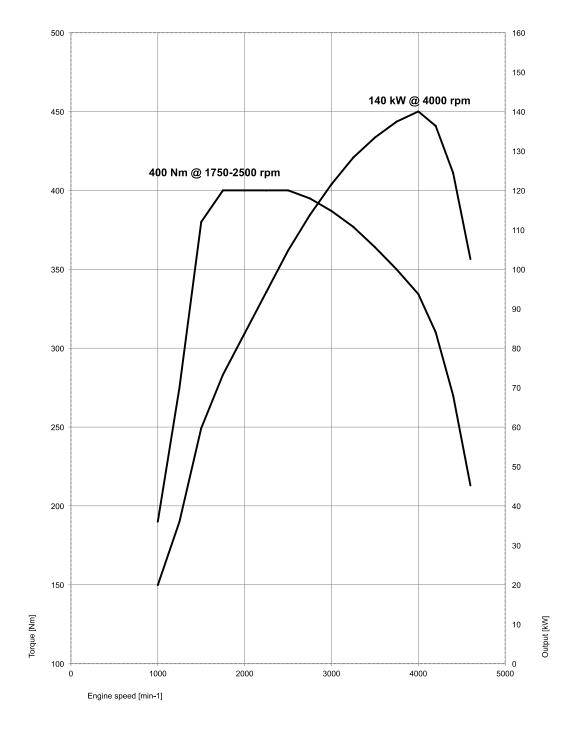




09/2014 Page 38



09/2014 Page 39



BMW Media information 09/2014 Page 40

10. Exterior and interior dimensions.



