BMW Media Information

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# Specifications. The all-new BMW 1 Series. 118i.



		BMW 118i
D. J.		
Body No of doors/seats		5/5
Length/width/height (unladen)	mm	4319/1799/1434
Wheelbase	mm	2670
Track, front/rear	mm	1565/1565
Ground clearance	mm	153
Turning circle	m	11.4
Fuel tank capacity	approx. I	42
Engine oil <sup>1)</sup>	<u>арр.ол. і</u>	4.25
Weight, unladen, to DIN/EU	kg	1290 (1320) / 1365 (1395)
Max load to DIN	kg	555 (550)
Max permissible weight	kg	1845 (1870)
Max axle load, front/rear	kg	980 (1005)/940
Max trailer load,	kg	1300/680 (695)
braked (12%)/unbraked	3	
Max roofload/max towbar	kg	75/75
download		
Luggage comp capacity	Ţ	380–1200
Air resistance	c <sub>d</sub> x A	0.26 x 2.19
Power Unit		
Config/No of cyls/valves		In-line/3/4
Engine technology		BMW TwinPower Turbo technology: turbocharger,
		High Precision Injection, VALVETRONIC fully variable valve timing,
		Double-VANOS variable camshaft timing
Effective capacity	CC	1499
Stroke/bore	mm	94.6/82.0
Compression ratio	:1	11.0
Fuel	13470	min. RON 91
Max output	kW/hp	103/140
at	rpm	4200-6500
Max torque	Nm	220
at	rpm	1480–4600
Electrical System		
Battery/installation	Ah/-	60/engine compartment
<u>Battery/installation</u>	7-417	oorengine compartment
Driving Dynamics and Safe	ty	
Suspension, front	•	Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper
		configuration
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, ASC and DTC (Dynamic Traction Control), ARB
		technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake
		Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC
		(Electronic Differential Lock Control), Performance Control, trailer stability
		control; optional: M Sport suspension, Adaptive 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
01		defect indicator
Steering		Electric Power Steering (EPS) with Servotronic function;
Cteoring ratio sugrall	.1	optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/55 R16 91W 205/55 R16 91W
Rims, front/rear		205/55 R16 91W 7J x 16
Tarris, Horioreai		70 % 10

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			BMW 118i
Transmission	-		
Type of transm	ission		Six-speed manual (seven-speed Steptronic dual-clutch transmission)
Gear ratios		:1	3.615 (16.385)
	II	:1	1.952 (9.664)
	III	:1	1.179 (6.181)
	IV	:1	0.853 (4.327)
	V	:1	0.711 (3.349)
	VI	:1	0.585 (2.663)
	VII	:1	- (2.158)
	VIII	:1	-
	R	:1	3.538 (14.994)
Final drive		:1	4.118 (3.944)
Performance			
Power-to-weigh	ht ratio (DIN)	kg/kW	12.5 (12.8)
Output per litre	!	kW/l	68.7
Acceleration	0-100 km/h	S	8.5
In 5th gear	80-120 km/h	S	10.6 (-)
Top speed		km/h	213
BMW Efficien	ntDynamics		
BMW EfficientI standard featur	Dynamics	А	Brake Energy Regeneration with recuperation display, Electric Power Steering, uto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function (with automatic transmission), intelligent lightweight construction, ptimised 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 Consum	ption ECE <sup>2)</sup>		
Urban		/100 km	7.0
Extra-urban		/100 km	4,3
Combined		/100 km	5.7–5.0
CO <sub>2</sub>		g/km	129–114
		9/1011	EU6d-TEMP

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

All figures relating to performance, fuel/electric power consumption and  $CO_2$  emissions are provisional.

The fuel consumption and  $CO_2$  emission figures are determined according to the European Regulation (EC) 2007/715 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 have been 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  $CO_2$  emissions, the  $CO_2$  values may differ from the values stated here (depending on national legislation).

<sup>1)</sup> Oil change

<sup>&</sup>lt;sup>2)</sup> Fuel consumption and CO<sub>2</sub> emissions depend on the selected tyre format

#### The all-new BMW 1 Series. M135i xDrive.

		BMW M135i xDrive
Body		
No of doors/seats		5/5
Length/width/height (unladen)	mm	4319/1799/1434
Wheelbase	mm	2670
Track, front/rear	mm	1560/1563
Ground clearance	mm	153
Turning circle	m	11.4
Fuel tank capacity	approx. I	50
Engine oil <sup>1)</sup>	<u></u>	5.25
Weight, unladen, to DIN/EU	kg	1525/1600
Max load to DIN	kg	560
Max permissible weight	kg	2085
Max axle load, front/rear	kg	1120/1020
Max trailer load, braked (12%)/unbraked	kg 	-
Max roofload/max towbar download	kg	75/75
Luggage comp capacity		380–1200
Air resistance	c <sub>d</sub> x A	0.34 x 2.19
Power Unit		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology: 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	9.5
Fuel		min. RON 95
Max output	kW/hp	225/306
at	rpm	4500–6250
Max torque	Nm	450
at	rpm	1750–5000
Electrical System		
Battery/installation	Ah/–	70/engine compartment
Dattery/III/Stallation	AIII	70/engine compartment
Driving Dynamics and Safe	ty	
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
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, ASC and DTC (Dynamic Traction Control), ARB
		technology (actuator contiguous wheel slip limitation), efficiency- and weight-
	_	optimised all-wheel-drive system xDrive linked with DSC,
	L	DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start Off Assistant, EDLC (Electronic Differential Lock Control),
		Performance Control, M Sport suspension; optional: Adaptive suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front
Carety equipment		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
		defect indicator
Steering		Electromechanical M Sport steering with Servotronic function
Steering ratio, overall	:1	14.0
Tyres, front/rear		225/40 R18 92 Y XL
		225/40 R18 92 Y XL
Rims, front/rear		8J x 18 light-alloy

			BMW M135i xDrive
Transmission	1		
Type of transm	ission		Eight-speed Steptronic Sport transmission
Gear ratios		:1	5.519
	II	:1	3.184
	III	:1	2.050
	IV	:1	1.492
	V	:1	1.235
	VI	:1	1.000
	VII	:1	0.801
	VIII	:1	0.673
	R	:1	4.221
Final drive		:1	3.075
Performance			
Power-to-weigh		kg/kW	6.8
Output per litre		kW/l	112.6
Acceleration	0–100 km/h	S	4.8
In 5th gear	80-120 km/h	S	-
Top speed		km/h	250
BMW Efficien			
BMW Efficient			Brake Energy Regeneration with recuperation display, Electric Power Steering,
standard feature	es		Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting
			function (with automatic transmission), intelligent lightweight construction,
			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
			with optimised warm-up behaviour, tyres with reduced rolling resistance
Fuel Consum	ntion ECE2)		
ruei Consum	ption ECE-		
Urban		l/100 km	8.2
Extra-urban		I/100 km	6.0
Combined		I/100 km	7.1–6.8
CO <sub>2</sub>		g/km	162–155
Emission rating		9/1111	EU6d-TEMP

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 $<sup>^{1)}</sup>$  Oil change  $^{2)}$  Fuel consumption and CO2 emissions depend on the selected tyre format

#### The all-new BMW 1 Series. 116d.

		BMW 116d
Body No of doors/soots		r ir
No of doors/seats		5/5
Length/width/height (unladen)	mm	4319/1799/1434
Wheelbase	mm	2670
Track, front/rear	mm	1565/1565
Ground clearance	mm	153
Turning circle	m	11.4
Fuel tank capacity	approx. I	42
Engine oil <sup>1)</sup>	- 1	4.8
Weight, unladen, to DIN/EU	kg	1375 (1385) / 1450 (1460)
Max load to DIN	kg	550 (555)
Max permissible weight	kg	1925 (1940)
Max axle load, front/rear	kg	1025 (1040)/980
Max trailer load, braked (12%)/unbraked	kg	1300/725 (730)
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	I	380–1200
Air resistance	c <sub>d</sub> x A	0.26 x 2.19
Power Unit		
Config/No of cyls/valves		In-line/3/4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2000 bar)
Effective capacity	CC	1496
Stroke/bore	mm	90.0/84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	85/116
at	rpm	2250–4000
Max torque	Nm	270
at	rpm	1750–4000
Electrical System		
Battery/installation	Ah/–	70/engine compartment
Driving Dynamics and Safe	ty	
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper
Dealing from		configuration
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, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, Adaptive 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 defect indicator
Steering		Electric Power Steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/55 R16 91W
Rims, front/rear		205/55 R16 91W 7J x 16

			BMW 116d
Transmission	)		
Type of transm	ission		Six-speed manual (seven-speed Steptronic dual-clutch transmission)
Gear ratios	I	:1	3.923 (16.385)
	II	:1	2.136 (9.664)
	III	:1	1.276 (6.181)
	IV	:1	0.919 (4.327)
	V	:1	0.725 (3.349)
	VI	:1	0.605 (2.663)
	VII	:1	- (2.158)
	VIII	:1	-
	R	:1	3.538 (14.994)
Final drive		:1	3.389 (3.944)
Performance			
Power-to-weigh	ht ratio (DIN)	kg/kW	16.2 (16.3)
Output per litre		kW/l	56.8
Acceleration	0-100 km/h	S	10.3 (10.1)
In 5th gear	80-120 km/h	S	11.5 (-)
Top speed		km/h	200
<b>BMW Efficien</b>	tDynamics		
BMW Efficient[	Dynamics	Е	Brake Energy Regeneration with recuperation display, Electric Power Steering,
standard feature	es	Αι	uto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting
			function (with automatic transmission), intelligent lightweight construction,
		op	ptimised 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 BluePerformance technology with SCR catalytic converter
- IO	EQE3)		
Fuel Consum	ption ECE2)		
I I I I I I I I I I I I I I I I I I I	1	/100 L	4.5
Urban		/100 km	<u>4.5</u> 3.5
Extra-urban		/100 km	
Combined	l.	/100 km	4.2–3.8
CO <sub>2</sub>		g/km	110–100
Emission rating	1		EU6d

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 $<sup>^{1)}\,\</sup>mbox{Oil}$  change  $^{2)}\,\mbox{Fuel}$  consumption and  $\mbox{CO}_2$  emissions depend on the selected tyre format

# The all-new BMW 1 Series. 118d.

		BMW 118d
Dady		
Body No of doors/seats		5/5
Length/width/height (unladen)	mm	4319/1799/1434
Wheelbase	mm	2670
Track, front/rear	mm	1565/1565
Ground clearance	mm	153
Turning circle	m	11.4
Fuel tank capacity	approx. I	42
Engine oil <sup>1)</sup>	<u></u>	5.5
Weight, unladen, to DIN/EU	kg	1400 (1430) / 1475 (1505)
Max load to DIN	kg	550
Max permissible weight	kg	1950 (1980)
Max axle load, front/rear	kg	1050 (1080)/980
Max trailer load, braked (12%)/unbraked	kg	1300/735 (750)
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	- 1	380–1200
Air resistance	c <sub>d</sub> x A	0.26 x 2.19
Power Unit		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2000 bar)
Effective capacity	CC	1995
Stroke/bore	mm	90.0/84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	110/150
at	rpm	2500–4000
Max torque	Nm	350
at	rpm	1750–4000
Electrical System		
Battery/installation	Ah/-	70/engine compartment
Driving Dynamics and Safe	ty	
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
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, ASC and DTC (Dynamic Traction Control), ARB technology (actuator contiguous wheel slip limitation), DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, Adaptive 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 defect indicator
Steering		Electric Power Steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		205/55 R16 91W
D'accidentification		205/55 R16 91W
Rims, front/rear		7J x 16

			BMW 118d
Transmission			
Type of transmi	ission		Six-speed manual (eight-speed Steptronic transmission)
Gear ratios	I	:1	3.923 (5.519)
	II	:1	2.136 (3.184)
	III	:1	1.276 (2.050)
	IV	:1	0.919 (1.492)
	V	:1	0.725 (1.235)
	VI	:1	0.605 (1.000)
	VII	:1	- (0.801)
	VIII	:1	- (0.673)
	R	:1	3.538 (4.221)
Final drive		:1	3.389 (2.666)
Performance			
Power-to-weigh	nt ratio (DIN)	kg/kW	12.7 (13.0)
Output per litre		kW/l	55.1
Acceleration	0-100 km/h	S	8.5 (8.4)
In 5th gear	80-120 km/h	S	10.6 (-)
Top speed		km/h	218 (216)
			· ·
BMW Efficien	tDynamics		
BMW EfficientD standard feature	Dynamics		Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function (with automatic transmission), intelligent lightweight construction, 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 BluePerformance technology with SCR catalytic converter
			BIVIVI BidePeriormance technology with SCR catalytic converter
Fuel Consum	ption ECE <sup>2)</sup>		
	Pu.0		
Urban		l/100 km	4.8
Extra-urban		l/100 km	3.8
Combined		l/100 km	4.4–4.1
CO <sub>2</sub>		g/km	116–108
Emission rating			EU6d-TEMP

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 $<sup>^{1)}</sup>$  Oil change  $^{2)}$  Fuel consumption and CO2 emissions depend on the selected tyre format

#### The all-new BMW 1 Series. 120d xDrive.

		BMW 120d xDrive
Body		r ir
No of doors/seats		5/5
Length/width/height (unladen)	mm	4319/1799/1434
Wheelbase	mm	2670
Track, front/rear	mm	1561/1561
Ground clearance	mm	153 11.4
Turning circle Fuel tank capacity	opprov I	50
Engine oil <sup>1)</sup>	approx. I	5.5
Weight, unladen, to DIN/EU	kg	
Max load to DIN	kg	550
Max permissible weight	kg	2065
Max axle load, front/rear	kg	1105/1020
Max trailer load, braked	kg	1500/750
(12%)/unbraked		
Max roofload/max towbar download	kg	75/75
Luggage comp capacity	I	380–1200
<u>Air resistance</u>	c <sub>d</sub> x A	0.27 x 2.19
Power Unit		
Config/No of cyls/valves		In-line/4/4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharger with variable inlet geometry, common-rail direct injection with piezo injectors (max. injection pressure: 2000 bar)
Effective capacity	CC	1995
Stroke/bore	mm	94.0/84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	140/190
at	rpm	2500–4000
Max torque	Nm	400
at	rpm	1750–4000
Electrical System		
Battery/installation	Ah/–	70/engine compartment
Driving Dynamics and Safe	ty	
Suspension, front		Single-joint spring strut axle in lightweight aluminium-steel construction
Suspension, rear		Multi-link axle in lightweight steel construction with separate spring and damper configuration
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, ASC and DTC (Dynamic Traction Control), ARB
		technology (actuator contiguous wheel slip limitation), all-wheel-drive system xDrive linked with DSC, DBC (Dynamic Brake Control), Dry Braking function, fading compensation, Start-Off Assistant, EDLC (Electronic Differential Lock Control), Performance Control, trailer stability control; optional: M Sport suspension, Adaptive 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 defect indicator
Steering		Electric Power Steering (EPS) with Servotronic function; optional: M Sport steering
Steering ratio, overall	:1	15.0
Tyres, front/rear		225/45 R17 41Y XL
Dime front/reer		225/45 R17 41Y XL 7.5J x 17 light-alloy
Rims, front/rear		7.55 x 17 light-alloy

			BMW 120d xDrive
Transmission			
Type of transmi	ission		Eight-speed Steptronic transmission
Gear ratios	I	:1	5.519
	II	:1	3.184
	III	:1	2.050
	IV	:1	1.492
	V	:1	1.235
	VI	:1	1.000
	VII	:1	0.801
	VIII	:1	0.673
	R	:1	4.221
Final drive		:1	2.666
Performance			
Power-to-weigh	nt ratio (DIN)	kg/kW	10.8
Output per litre		kW/l	70.2
Acceleration	0-100 km/h	S	7.0
In 5th gear	80-120 km/h	S	-
Top speed		km/h	230
BMW Efficien	tDynamics		
BMW EfficientD standard feature			Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function (with automatic transmission), intelligent lightweight construction, 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 BluePerformance technology with SCR catalytic converter
Fuel Consum	ption ECE <sup>2)</sup>		
Urban		l/100 km	5.1
Extra-urban		l/100 km	4.1
Combined		l/100 km	4.7–4.5
CO <sub>2</sub>		g/km	124–117
Emission rating			EU6d-TEMP

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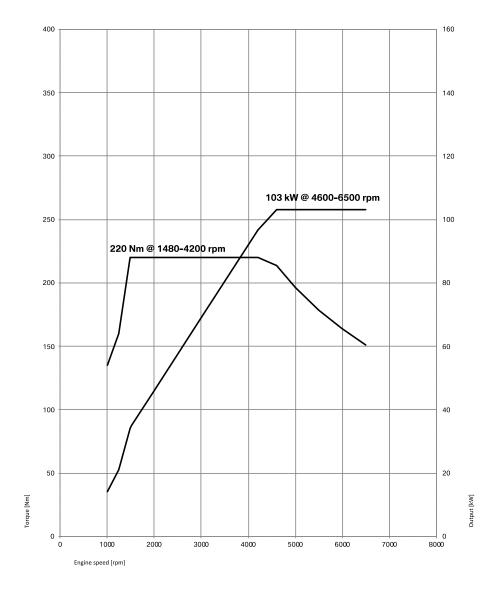
 $<sup>^{1)}</sup>$  Oil change  $^{2)}$  Fuel consumption and CO2 emissions depend on the selected tyre format

**BMW** Media Information

# Output and torque diagrams. The all-new BMW 1 Series.

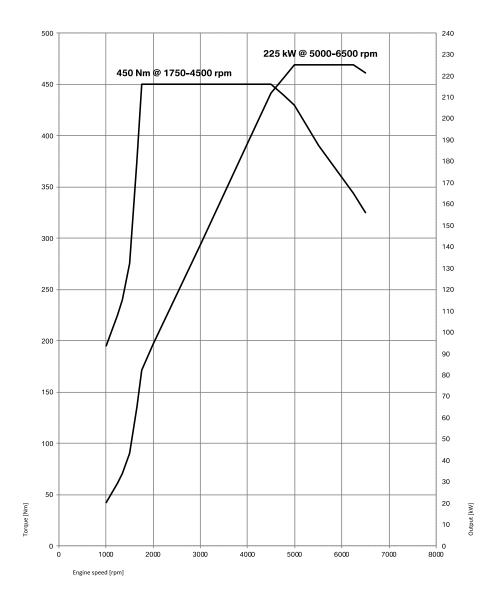
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118i.



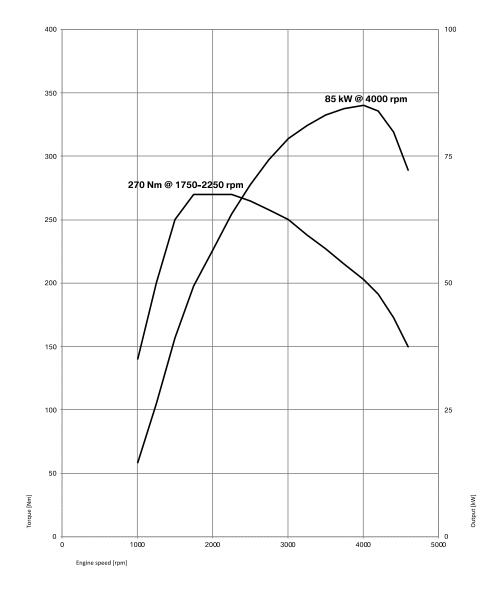
#### The all-new BMW 1 Series. M135i xDrive.



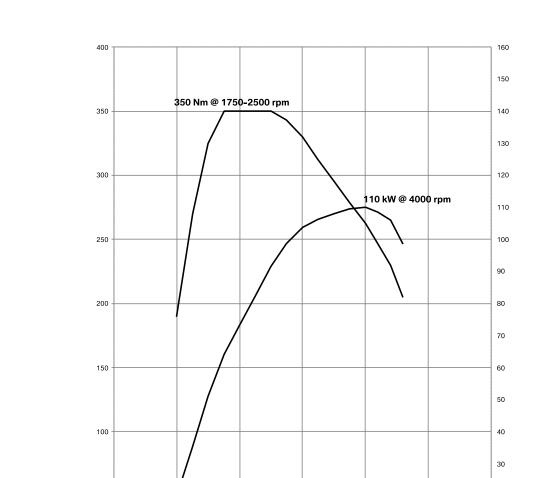


# The all-new BMW 1 Series. 116d.





#### The all-new BMW 1 Series. 118d.



2000

3000

4000

5000

20

10

— 0 6000

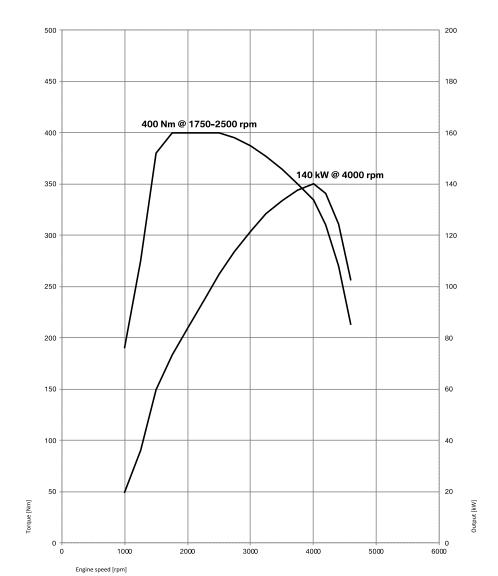
50

0 +

Engine speed [rpm]

Torque [Nm]

# The all-new BMW 1 Series. 120d xDrive.



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# Output and torque diagrams. The all-new BMW 1 Series.



