BMW Media Information

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# **Specifications. BMW 7 Series. 740e iPerformance.**



		BMW 740e iPerformance
Body		415
No. of doors/seats	100.100	4/5
Length/width/height (unladen)	mm	5098 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.3
Tank capacity	approx. ltr	46
Engine oil 1)	ltr	5.25
Weight, unladen, to DIN/EU	kg	1900 / 1975
Max. load to DIN	kg	685
Max. permissible weight	kg	2585
Max. axle load, front/rear	kg	1170 / 1490
Max. trailer load,	kg	
braked (12%)/unbraked		-/-
Max. roof load/towbar download	kg	100 / –
Luggage comp. capacity	ltr	420
Air resistance	c <sub>d</sub> x A	0.25 x 2.42
Drive system		
Drive concept		Full hybrid drive, torque vectoring to rear wheels
		from one or both units
System output	kW/hp	240 / 326
System torque	Nm	500
System power-to-weight ratio (DI	N) kg/kW	7.9
Combustion Engine		
Config./No. of cyls./valves		in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin scroll turbocharger,
Engine technology		High Precision Injection, VALVETRONIC fully variable valve timing,  Double-VANOS variable camshaft timing
Effective capacity	cm <sup>3</sup>	1998
Stroke/bore		94.6 / 82.0
	mm	
Compression ratio	:1	10.2
Fuel		min RON 91
Output	kW/hp	190 / 258
at	rpm	5000 – 6500
Torque	Nm	400
at	rpm	1550 – 4400
Output per litre	kW/l	95.1
Electric motor		
Motor technology		BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery
Max output	kW/hp	83 / 113
at	rpm	3170
Torque	Nm	250
at	rpm	0 – 3170
Recuperation output	kW	20
High-voltage battery		
Storage technology / installation		lithium-ion / underneath rear seat
Voltage	V	
		351
Capacity (gross)	kWh	9.2
Charging time for 100 % charge		2.7 h at 3.7 kW (16 A / 230 V)

			BMW 740e iPerformance
Driving Dynamics and S	afety		
Suspension, front			Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive, air suspension with automatic self-levelling
Suspension, rear			Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling
Brakes, front			Four-piston fixed-calliper disc brakes / vented
Brakes, rear			Single-piston floating-calliper disc brakes / vented
Driving stability systems			Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive Suspension
Safety equipment		:	Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia- reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering			Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering
Steering ratio, overall		:1	16.9
Tyres, front/rear			225/60 R17 99Y
Rims, front/rear			7.5J x 17 light-alloy
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios	T	:1	4.714
	ll l	: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
Final drive		:1	3.077
Df			
Performance Acceleration 0–100 kr	n/h	S	5.4
Top speed	11/11	km/h	250
Top speed electric		km/h	140
Electric range		km	41
BMW EfficientDynamics	5		
BMW EfficientDynamics standard features			BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with
			coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance
			coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up
Fuel consumption EU combined		ltr/100 km	coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance
Combined		ltr/100 km	coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance  2.5 – 2.3
		ltr/100 km g/km Vh/100 km	coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance

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

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

### BMW 7 Series. 740Le iPerformance.

No. of doors/seats			BMW 740Le iPerformance
No. of doorsleats	D. I		
Length/widthheight (unladen)			A 1 F
Minesibase			
Track, front/rear Cround clearance mm 135 Turning circle m 12.8 Tank capacity approx. Itr 5.25 Tank capacity approx. Itr 5.25 Meight, unladen, to DINEU kg 1940 / 2015 Max. load to DIN kg 660 Max. avail load, front/rear kg 1185 / 1490 Max. avail load, front/rear kg 1185 / 1490 Max. avail load, front/rear kg 100 / - Max. avail load, kg 7-/- Max. roaf load, kg 100 / - Luggage comp. capacity ltr 420 Air resistance ca x A 0.25 x 2.42  Drive system Drive system Drive system Drive concept Full hybrid drive, torque vectoring to rear wheels from one or both units  System output kW/hp 240 / 326 System torque Nm 500 System power-to-weight ratio (DIN) kg/kW 8.1  Combustion Engine ConfigNo. of cyls./valves Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VAL/VETRONIC fully variable valve trining, Double-VANOs variable cambariat timing  Effective capacity cm 3 1998 Stroke/bore mm 94.6 / 82.0  Compustion Engine Compussion ratio :1 10.2  Erruel min RON 91  Output kW/hp 190 / 258  at pm 500 - 6500  Torque Nm 400  at pm 500 - 6500  Torque Nm 400  at pm 500 - 6500  Torque Nm 250  BMW ebrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113  at pm 3170  Torque Nm 250  All Precision output RW 20  High-voltage battery  Storage technology installation (V 351			
Cround clearance			
Turning circle			
Tank capacity			
Engine oil 10    Itr			
Weight, unladen, to DINVEU         kg         1940 / 2015           Max. load to DIN         kg         660           Max. was permissible weight         kg         2600           Max. ake load, front/rear         kg         1185 / 1490           Max. trailer load, ront/rear         kg         1185 / 1490           Max. trailer load, front/rear         kg         100 / -           Max. roof loadflowbar download         kg         100 / -           Luggage comp. capacity         th         420           Air resistance         cd x A         0.25 x 2.42           Drive system           Drive concept         Full hybrid drive, torque vectoring to rear wheels from one or both units           System output         kWhp         2 407 326           System power-to-weight ratio (DIN)         kg/kW         8.1           Complex torque         Nm         500           System torque         Nm         500           System power-to-weight ratio (DIN)         kg/kW         8.1           Complex torque         Nm         500           Effective capacity         BMW TwinPower Turbo technology; twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-V			· · · · · · · · · · · · · · · · · · ·
Max. load to DIN         kg         660           Max. permissible weight         kg         2600           Max. and load, front/rear         kg         1185/1490           Max. roof load, fownbraked         kg         1007-           Max. roof load/lowbar download         kg         1007-           Max. roof load/load/load-load-load-load-load-load-load-load-			
Max. permissible weight kg 2600  Max. avale load, front/rear kg 1185/1490  Max. ratiler load, kg 7  Max. rotal (12%)/unbraked 1-/-  Max. rotal (12%)/unbraked 4, 100 /-  Luggage comp. capacity ltr 420  Air resistance cd X A 0.25 x 2.42   Drive system  Drive concept Full hybrid drive, torque vectoring to rear wheels from one or both units from			
Max. xale load, front/rear kg 1185 / 1490  Max. trailer load, roots/ead (12%) (unbraked		kg	***
Max. trailer load, rarked (12%)Junbraked		kg	
oraked (12%)/unbraked	Max. axle load, front/rear	kg	1185 / 1490
Max. roof load/towbar download kg 100 / - ungage comp. capacity ltr 420 Alir resistance c <sub>d</sub> x A 0.25 x 2.42  Drive system  Drive concept Full hybrid drive, torque vectoring to rear wheels from one or both units  System output kW/hp 240 / 326 System torque Nm 5000 System power-to-weight ratio (DIN) kg/kW 8.1  Combustion Engine Config./No. of cyls./valves in-line / 4 / 4 BMW TwinPower Turbo technology twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity cm³ 1998 Stroke/bore mm 94.6 / 82.0 Compression ratio :1 10.2 Fuel min RON 91 Output kW/hp 190 / 258 Sat rpm 5000 – 6500 Forque Nm 400 at rpm 5000 – 6500 Forque Nm 400 at rpm 1550 – 4400 Output per litre kW/li 95.1  Electric motor  Wotor technology BMW eDrive technology, synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113 at rpm 3170 Forque Nm 250 at rpm 0 – 3170 Recuperation output kW 20  High-voltage battery  Storage technology installation Voltage V 351 Voltage V 351 Voltage Capacity (gross) kW/h 9.2	Max. trailer load,	kg	
Luggage comp. capacity ltr 420  Air resistance c <sub>d</sub> x A 0.25 x 2.42  Drive system  Drive concept Full hybrid drive, torque vectoring to rear wheels from one or both units  System output kW/hp 240 / 326  System output Nm 500  System power-to-weight ratio (DIN) kg/kW 8.1  Combustion Engine  Config./No. of cyls./valves  Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity cm³ 1998  Stroke/bore mm 94.6 / 82.0  Compression ratio :1 10.2  Turle min RON 91  Dutput kW/hp 199 / 258  at pm 5000 - 6500  Torque Nm 400  at pm 1550 - 4400  Dutput per litre kW/l 95.1  Electric motor  Wotor technology BMW eDrive technology; synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113  at pm 3170  Torque Nm 250  at rpm 0 - 3170  Recuperation output kW 20  High-voltage battery  Storage technology / installation / lunderneath rear seat //oldage V 351  Zapacity (gross) kWh 9,22	oraked (12%)/unbraked		-/-
Air resistance cd x A 0.25 x 2.42  Drive system Drive concept Full hybrid drive, torque vectoring to rear wheels from one or both units  System output kW/hp 240 / 326 System output Nm 500 System power-to-weight ratio (DIN) kg/kW 8.1  Combustion Engine Config./No. of cyls./valves in-line / 4 / 4 Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity cm³ 1998 Stroke/bore mm 94.6 / 82.0 Compression ratio 11 10.2 Engle Wh/hp 1990 / 258 sit rpm 5000 – 6500 Torque Nm 400 Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113  Electric motor  Wax output kW/hp 83 / 113  Electric motor Tym 0 – 3170 Recuperation output kW 20  Electric motor Integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  In pm 0 – 3170 Recuperation output kW 20  Electric motor Integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  In pm 0 – 3170 Recuperation output kW 20  Electric motor Integrated in 8-speed Steptronic transmission generator function for energy recuperation for the high-voltage battery  It is pm 0 – 3170 Recuperation output kW 20  Electric motor Integrated in 8-speed Steptronic transmission generator function for energy recuperation for the high-voltage battery  It is pm 0 – 3170 Recuperation output kW 20  Electric motor Integrated in 8-speed Steptronic transmission generator function for energy recuperation for the high-voltage battery  It is pm 0 – 3170 Recuperation output kW 20  Electric motor Integrated in 8-speed Steptronic transmission generator function for energy recuperation for the high-voltage battery  It is pm 0 – 3170 Recuperation output kW 9 – 9.2	Max. roof load/towbar download	kg	100 / –
Drive system Drive concept Full hybrid drive, torque vectoring to rear wheels from one or both units System output kW/hp 240 / 326 System torque Nm 500 System power-to-weight ratio (DIN) kg/kW 8.1  Combustion Engine Config./No. of cyts./valves Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing Effective capacity cm³ 1998 Stroke/Bore mm 94.6 / 82.0 Compression ratio :1 10.2 Fuel min RON 91 Cutput kW/hp 199 / 258 at rpm 5000 – 6500 Torque Nm 400 at rpm 1550 – 4400 Dutput per litre kW/l 95.1  Electric motor Wotor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery Max output kW/hp 137 / 3170 Torque Nm 250 September of the part of t	_uggage comp. capacity	ltr	420
Prive concept  Full hybrid drive, torque vectoring to rear wheels from one or both units  System output  kW/hp  240 / 326  System torque  Nm  500  System power-to-weight ratio (DIN)  kg/kW  8.1  Combustion Engine  Config./No. of cyls./valves  Engine technology  BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity  Cm³  1998  Stroke/bore  mm  94.6 / 82.0  Compression ratio  11  10.2  Fuel  min RON 91  Dutput  kW/hp  190 / 258  at rpm  5000 – 6500  Forque  Nm  400  at rpm  1550 – 4400  Dutput per litre  kW/l  95.1  Electric motor  Wotor technology  BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Wax output  kW/hp  3170  Forque  Nm  250  Torque  Torque  Nm  250  Torque  Torque  Nm  250  Torque  Torque  Nm  250  Torque  Nm  260  Torque  Nm  270  Torqu	Air resistance	c <sub>d</sub> x A	0.25 x 2.42
From one or both units System output kW/hp 240 / 326 System torque Nm 500 System power-to-weight ratio (DIN) kg/kW 8.1  Combustion Engine Config./No. of cyls./kalves in-line / 4 / 4 Engine technology BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing Effective capacity cm³ 1998 Stroke/bore mm 94.6 / 82.0 Compression ratio :1 10.2 Fuel min RON 91  Dutput kW/hp 190 / 258 st rpm 5000 – 6500  Torque Nm 400 st rpm 1550 – 4400  Dutput per litre kW/l 95.1  Electric motor Wotor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113  at rpm 3170 Forque Nm 250  At rpm 3170  At rpm 3170  At rpm 3170  At rpm 3170  At rpm 3170	Orive system		
System output         kW/hp         240 / 326           System torque         Nm         500           System power-to-weight ratio (DIN)         kg/kW         8.1           Comfig./No. of cyls./valves           Engine technology           BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing           Effective capacity         cm³         1998           Stroke/bore         mm         94.6 / 82.0           Compression ratio         :1         10.2           Fuel         min RON 91           Output         kW/hp         190 / 258           at         rpm         500 - 6500           Torque         Nm         400           at         rpm         1550 - 4400           Output per litre         kW/l         95.1           Electric motor           Motor technology         BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery           Max output         kW/hp         83 / 113           at         rpm         3170           Torque         Nm         250 <td>Drive concept</td> <td></td> <td></td>	Drive concept		
System torque   Nm   S00			from one or both units
Combustion Engine Config./No. of cyls./valves Engine technology Effective capacity Compression ratio Cuty Cuty Cuty Cuty Cuty Cuty Cuty Cuty		kW/hp	240 / 326
Combustion Engine Config./No. of cyls./valves Engine technology  BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity  cm³ 1998  Stroke/bore mm 94.6 / 82.0  Compression ratio :1 10.2  Fuel min RON 91  Dutput kW/hp 199 / 258  at rpm 5000 – 6500  Forque Nm 400  at rpm 1550 – 4400  Dutput per litre kW/l 95.1  Electric motor  Wotor technology  BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Wax output kW/hp 83 / 113  at rpm 3170  Forque Nm 250  at rpm 3170  Forque Nm 250  at rpm 0 – 3170  Recuperation output kW 20  Figh-voltage battery  Fischarge technology / installation   lithium-ion / underneath rear seat / /oltage   V 351	System torque	Nm	500
Config./No. of cyls./valves Engine technology  BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VAL VETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity  cm³ 1998 Stroke/bore mm 94.6 / 82.0 Compression ratio :1 10.2 Tuel min RON 91 Dutput kW/hp 190 / 258 at rpm 5000 - 6500 Forque Nm 400 at rpm 1550 - 4400 Dutput per litre kW/l 95.1  Electric motor  Motor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 3170 Forque Nm 250 Nm 250 Nm 261 Nm 270 N	System power-to-weight ratio (DII	N) kg/kW	8.1
Engine technology  BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity  cm³ 1998  Stroke/bore mm 94.6 / 82.0  Compression ratio :1 10.2  Fuel min RON 91  Output kW/hp 190 / 258 at rpm 5000 – 6500  Torque Nm 400  at rpm 1550 – 4400  Output per litre kW/l 95.1  Electric motor  Motor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113 at rpm 3170  Torque Nm 250 at rpm 0 – 3170  Recuperation output kW 20  High-voltage battery  Storage technology / installation Voltage V 351  Capacity (gross) kWh 9.2	Combustion Engine		
High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing  Effective capacity cm³ 1998  Stroke/bore mm 94.6 / 82.0  Compression ratio :1 10.2  Fuel min RON 91  Output kW/hp 190 / 258  at rpm 5000 - 6500  Torque Nm 400  at rpm 1550 - 4400  Output per litre kW/l 95.1  Electric motor  Motor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113  at rpm 3170  Torque Nm 250  at rpm 0 - 3170  Recuperation output kW 20  High-voltage battery  High-voltage battery  Storage technology / installation  Voltage V 351  Capacity (gross) kW/h 9.2	Config./No. of cyls./valves		in-line / 4 / 4
Effective capacity         cm³         1998           Stroke/bore         mm         94.6 / 82.0           Compression ratio         :1         10.2           Fuel         min RON 91           Output         kW/hp         190 / 258           at         rpm         5000 – 6500           Torque         Nm         400           at         rpm         1550 – 4400           Output per litre         kW/l         95.1           Electric motor           Motor technology         BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery           Max output         kW/hp         83 / 113           at         rpm         3170           Torque         Nm         250           at         rpm         0 – 3170           Recuperation output         kW         20           High-voltage battery           Storage technology / installation         lithium-ion / underneath rear seat           Voltage         V         351           Capacity (gross)         kWh         9.2	Engine technology		High Precision Injection, VALVETRONIC fully variable valve timing,
Stroke/bore		2003	
Compression ratio   :1   10.2			
Tuel   min RON 91  Dutput   kW/hp   190 / 258  at   rpm   5000 – 6500  Forque   Nm   400  at   rpm   1550 – 4400  Dutput per litre   kW/l   95.1   Electric motor  Motor technology   BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output   kW/hp   83 / 113  at   rpm   3170  Forque   Nm   250  at   rpm   0 – 3170  Recuperation output   kW   20   High-voltage battery  Storage technology / installation / lithium-ion / underneath rear seat / oltage   V   351  Capacity (gross)   kWh   9.2			
Dutput   KW/hp   190 / 258     at	· · · · · · · · · · · · · · · · · · ·	:1	<u> </u>
rpm 5000 – 6500 Forque Nm 400 at rpm 1550 – 4400 Dutput per litre kW/l 95.1  Electric motor  Motor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113 at rpm 3170 Forque Nm 250 at rpm 0 – 3170 Recuperation output kW 20  High-voltage battery  Storage technology / installation / lithium-ion / underneath rear seat //oltage V 351 Capacity (gross) kWh 9.2	**	1347	
Torque Nm 400 at rpm 1550 – 4400 Dutput per litre kW/l 95.1  Electric motor  Wotor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113 at rpm 3170  Torque Nm 250 at rpm 0 – 3170  Recuperation output kW 20  High-voltage battery  Storage technology / installation / lithium-ion / underneath rear seat / oltage V 351 Capacity (gross) kWh 9.2	<u> </u>		
the second section of the section of			
Dutput per litre kW/l 95.1  Electric motor  Motor technology BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output kW/hp 83 / 113 et rpm 3170  Torque Nm 250 et rpm 0 - 3170  Recuperation output kW 20  High-voltage battery  Storage technology / installation / underneath rear seat / voltage V 351  Capacity (gross) kWh 9.2			* * * * * * * * * * * * * * * * * * * *
Electric motor  Motor technology  BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output  kW/hp  83 / 113  at  rpm  3170  Torque  Nm  250  at  rpm  0 - 3170  Recuperation output  kW  20   High-voltage battery  Storage technology / installation  voltage  V  351  Capacity (gross)  kWh  9.2			
Motor technology  BMW eDrive technology: synchronous electric motor integrated in 8-speed Steptronic transmission, generator function for energy recuperation for the high-voltage battery  Max output  kW/hp  83 / 113  at  rpm  3170  Torque  Nm  250  at  rpm  0 - 3170  Recuperation output  kW  20  High-voltage battery  Storage technology / installation  /oltage  V  351  Capacity (gross)  kWh  9.2	Output per litre	kW/l	95.1
Steptronic transmission, generator function for energy recuperation for the high-voltage battery			
tet rpm 3170 Torque Nm 250 at rpm 0 – 3170 Recuperation output kW 20  High-voltage battery Storage technology / installation lithium-ion / underneath rear seat voltage V 351 Capacity (gross) kWh 9.2	Motor technology		Steptronic transmission, generator function for energy recuperation for the
the true to the state of the st	Max output	kW/hp	
Torque         Nm         250           at         rpm         0 - 3170           Recuperation output         kW         20           High-voltage battery           Storage technology / installation         lithium-ion / underneath rear seat           /oltage         V         351           Capacity (gross)         kWh         9.2	· · · · · · · · · · · · · · · · · · ·		
the trpm 0 - 3170 Recuperation output kW 20  High-voltage battery Storage technology / installation   lithium-ion / underneath rear seat   /oltage V 351 Capacity (gross) kWh 9.2			
Recuperation output   kW   20			
Storage technology / installation lithium-ion / underneath rear seat //oltage V 351 Capacity (gross) kWh 9.2			
Storage technology / installation         lithium-ion / underneath rear seat           Voltage         V         351           Capacity (gross)         kWh         9.2	High-voltage batterv		
Voltage         V         351           Capacity (gross)         kWh         9.2			lithium-ion / underneath rear seat
Capacity (gross) kWh 9.2		\/	
	Charging time for 100 % charge	LVVII	2.7 h at 3.7 kW (16 A / 230 V)

			BMW 740Le iPerformance
Driving Dynamics an	d Cafaty		
Suspension, front	iu Salety		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive, air suspension
Suspension, rear			with automatic self-levelling Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
Brakes, front			double acoustic separation, air suspension with automatic self-levelling  Four-piston fixed-calliper disc brakes / vented
Brakes, rear			Single-piston floating-calliper disc brakes / vented
Driving stability system	S		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive Suspension
Safety equipment			Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia- reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering			Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering
Steering ratio, overall		:1	16.9
Tyres, front/rear			225/60 R17 99Y
Rims, front/rear			7.5J x 17 light-alloy
Transmission			
Type of gearbox			8-speed Steptronic
Gear ratios		: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
Final drive		:1	3.077
Performance			
	0 km/h	S	5.5
Top speed		km/h	250
Top speed electric		km/h	140
Electric range		km	41
BMW EfficientDynan	nics		
BMW EfficientDynamic standard features			BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential with optimised warm-up behaviour, tyres with reduced roll resistance
Fuel consumption El	U cycle		
Combined		ltr/100 km	2.5 – 2.3
CO2 emissions from fue		g/km	57 – 52
Power consumption co	mb. kW	/h/100 km	14.0 – 13.5
Emission rating			EU6d-TEMP

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

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

### BMW 7 Series. 740Le xDrive iPerformance.

Wheelbase Track, front/rear Ground clearance Turning circle Tank capacity approx Engine oil 1) Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kM System torque	mm mm mm mm mm min ix. Itr kg	4 / 5 5238 / 1902 / 1479 3210 1617 / 1646 135 12.9 46 5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500 8.3
No. of doors/seats  Length/width/height (unladen)  Wheelbase Track, front/rear Ground clearance Turning circle Tank capacity approx Engine oil 1)  Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance  Ca  Drive system Drive concept  System output System power-to-weight ratio (DIN)  kg  Combustion Engine Config./No. of cyls./valves	mm mm mm m m.x. Itr Itr kg kg kg kg Itr d x A	5238 / 1902 / 1479 3210 1617 / 1646 135 12.9 46 5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Length/width/height (unladen) Wheelbase Track, front/rear Ground clearance Turning circle Tank capacity approx Engine oil 1) Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance  Cd  Drive system Drive concept  System output System power-to-weight ratio (DIN) kg  Combustion Engine Config./No. of cyls./valves	mm mm mm m m.x. Itr Itr kg kg kg kg Itr d x A	5238 / 1902 / 1479 3210 1617 / 1646 135 12.9 46 5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Wheelbase Track, front/rear Ground clearance Turning circle Tank capacity approx Engine oil 1) Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance  Cd  Drive system Drive concept  System output System power-to-weight ratio (DIN) kg  Combustion Engine Config./No. of cyls./valves	mm mm mm m m.x. Itr Itr kg kg kg kg Itr d x A	3210 1617 / 1646 135 12.9 46 5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Track, front/rear Ground clearance Turning circle Tank capacity approx Engine oil 1) Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg  Combustion Engine Config./No. of cyls./valves	mm mm m xx. ltr ltr kg kg kg kg ltr d x A	1617 / 1646  135  12.9  46  5.25  2000 / 2075  655  2655  1235 / 1490  - / -  100 / -  420  0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive  240 / 326  500
Ground clearance Turning circle Tank capacity approx Engine oil 1) Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg  Combustion Engine Config./No. of cyls./valves	mm m m ix. ltr ltr kg kg kg kg ltr d x A	135 12.9 46 5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Turning circle Tank capacity approx Engine oil 1) Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	m vx. ltr ltr kg kg kg kg ltr ltr NM	12.9 46 5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Tank capacity approx Engine oil 1) Weight, unladen, to DIN/EU Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	x. Itr Itr kg kg kg kg kg kg V/hp Nm	46 5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Engine oil 1)  Weight, unladen, to DIN/EU  Max. load to DIN  Max. permissible weight  Max. axle load, front/rear  Max. trailer load, braked (12%)/unbraked  Max. roof load/towbar download  Luggage comp. capacity  Air resistance  Cd  Drive system  Drive concept  System output  System torque  System power-to-weight ratio (DIN)  kg.  Combustion Engine  Config./No. of cyls./valves	Itr kg kg kg kg kg kg V/hp Nm	5.25 2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Weight, unladen, to DIN/EU  Max. load to DIN  Max. permissible weight  Max. axle load, front/rear  Max. trailer load, braked (12%)/unbraked  Max. roof load/towbar download  Luggage comp. capacity  Air resistance  Cd  Drive system  Drive concept  System output  System power-to-weight ratio (DIN)  kg.  Combustion Engine  Config./No. of cyls./valves	kg kg kg kg ltr	2000 / 2075 655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Max. load to DIN Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance  Cd  Drive system Drive concept  System output System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	kg kg kg kg ltr d x A	655 2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Max. permissible weight Max. axle load, front/rear Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	kg kg kg Itr d x A	2655 1235 / 1490  - / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Max. axle load, front/rear  Max. trailer load, braked (12%)/unbraked  Max. roof load/towbar download  Luggage comp. capacity  Air resistance  Cd  Drive system  Drive concept  System output  System torque System power-to-weight ratio (DIN)  kg  Combustion Engine  Config./No. of cyls./valves	kg kg ltr d x A	1235 / 1490  - / -  100 / -  420  0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive  240 / 326  500
Max. trailer load, braked (12%)/unbraked Max. roof load/towbar download Luggage comp. capacity Air resistance  Cd  Drive system Drive concept  System output System torque System power-to-weight ratio (DIN) kg  Combustion Engine Config./No. of cyls./valves	kg kg ltr d x A	- / - 100 / - 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
braked (12%)/unbraked  Max. roof load/towbar download  Luggage comp. capacity  Air resistance  Cd  Drive system  Drive concept  System output  System torque System power-to-weight ratio (DIN)  Combustion Engine  Config./No. of cyls./valves	kg Itr d x A	100 / – 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Max. roof load/towbar download Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg  Combustion Engine Config./No. of cyls./valves	Itr	100 / – 420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Luggage comp. capacity Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg  Combustion Engine Config./No. of cyls./valves	Itr	420 0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive 240 / 326 500
Air resistance cd  Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	V/hp Nm	0.25 x 2.42  Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive  240 / 326  500
Drive system Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	V/hp Nm	Full hybrid drive, torque vectoring to all four wheels from one or both units via BMW xDrive  240 / 326  500
Drive concept  System output kW System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	Nm	from one or both units via BMW xDrive 240 / 326 500
System output kW. System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	Nm	from one or both units via BMW xDrive 240 / 326 500
System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	Nm	240 / 326 500
System torque System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves	Nm	500
System power-to-weight ratio (DIN) kg.  Combustion Engine Config./No. of cyls./valves		
Combustion Engine Config./No. of cyls./valves	y/kW	8.3
Config./No. of cyls./valves		
Engine technology		in-line / 4 / 4
		BMW TwinPower Turbo technology: twin scroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve timing, Double-VANOS variable camshaft timing
Effective capacity o	cm <sup>3</sup>	1998
	mm	94.6 / 82.0
	:1	10.2
Compression ratio	- 11	
Fuel		min RON 91
	V/hp	190 / 258
	rpm	5000 – 6500
	Nm	400
	rpm	1550 – 4400
Output per litre	kW/l	95.1
Electric motor		
Motor technology		BMW eDrive technology: synchronous electric motor integrated in 8-speec Steptronic transmission, generator function for energy recuperation for the high-voltage battery
Max output kW	V/hp	83 / 113
· · · · · · · · · · · · · · · · · · ·	rpm	3170
	Nm	250
	rpm	0 – 3170
Recuperation output	kW	20
High-voltage battery		
Storage technology / installation		lithium-ion / underneath rear seat
Voltage	V	351
	kWh	9.2
Charging time for 100 % charge	VANI	2.7 h at 3.7 kW (16 A / 230 V)

		BMW 740Le xDrive iPerformance
Driving Dynamics and S	afety	
Suspension, front		Double track control arm axle with separate lower track arm level, aluminium, small steering roll radius, anti-dive, air suspension with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant, networked with xDrive all- wheel-drive system; optional: Adaptive Suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags for front and rear seats, three-point inertia-reel seatbelts on all seats with belt latch tensioner and belt force limiter at the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS) with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy
Transmission		
Type of gearbox		8-speed Steptronic
Gear ratios	I :1	, ,
	II :1	3.143
	III :1	
	IV :1	
	V :1	1.285
	VI :1	1.000
	VII :1	0.839
	VIII :1	0.667
	R :1	3.317
Final drive	:1	3.231
Performance		
Acceleration 0–100 kr	n/h s	5.3
Top speed	km/h	250
Top speed electric	km/h	140
Electric range	km	38
DMW EfficientDymemics		
BMW Efficient Dynamics	<b>&gt;</b>	BMW aDrive technology Flectric Dower Steering (EDS) hybrid anacific
BMW EfficientDynamics standard features		BMW eDrive technology, Electric Power Steering (EPS), hybrid-specific Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air vents, on-demand operation of ancillary units, map-controlled oil pump, detachable a/c compressor, rear differential and power divider with optimised warm-up behaviour, tyres with reduced roll resistance
F .1	.1.	
Fuel consumption EU cy		20.22
Combined CO amissions from fuel	ltr/100 km	
CO <sub>2</sub> emissions from fuel Power consumption comb.	g/km . kWh/100 km	
Emission rating	NVVII/ IOO KIII	EU6d-TEMP
LITHOSHUTTALITY		LUUU- I EIVIF

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

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

### BMW 7 Series. 730d.

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		BMW 730d
Body		445
No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5098 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1618 / 1646
Ground clearance	mm	135
Turning circle	m 12.3	
Tank capacity	approx. Itr	78
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1770 / 1845
Max. load to DIN	kg	680
Max. permissible weight	kg	2450
Max. axle load, front/rear	kg	1175 / 1335
Max. trailer load,	kg	
braked (12%)/unbraked		2100 / 750
Max. roof load/towbar download	kg 100 / 100	
Luggage comp. capacity	ltr	515
Air resistance	c <sub>d</sub> x A	0.24 x 2.41
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet
Engine technology		geometry, common rail direct fuel injection with piezo injectors (max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	
Stroke/bore		90.0 / 84.0
	mm	
Compression ratio	:1	16.5
Fuel	1.14//	Diesel
Output	kW/hp	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/Installation	Ah/–	105 / luggage comp.
Driving Dynamics and Safety Suspension, front		Double track control arm axle with separate lower track arm level,
Suspension, none		aluminium, small steering roll radius, anti-dive, air suspension
		with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
Suspension, real		double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
Driving stability systems		
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant; optional: Adaptive
		Suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
Salety equipment		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Steering		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.9
Tyres, front/rear Rims, front/rear		225/60 R17 99Y
MIIIO, IIUIWIEdi		7.5J x 17 light-alloy

			D184700 I
			BMW 730d
Transmission	1		
Type of gearbo	)X		8-speed Steptronic
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance			
Power-to-weig	ht ratio (DIN)	kg/kW	9.1
Output per litre	)	kW/l	65.2
Acceleration	0-100 km/h	S	6.1
Top speed		km/h	250
BMW Efficien	ntDynamics		
BMW Efficient	Dynamics	Е	Brake Energy Regeneration with recuperation display, EPS (Electric Power
standard featur	res		Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic

Fuel consumption El	J cycle		
Urban	ltr/100 km	6.4 – 6.2	
Extra-urban	ltr/100 km	5.0 – 4.8	
Combined	ltr/100 km	5.5 – 5.3	
CO <sub>2</sub>	g/km	145 – 139	
Emission rating		EU6c	

converter

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

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

## BMW 7 Series. 730d xDrive.

		BMW 730d xDrive		
Body				
No. of doors/seats		4/5		
Length/width/height 1) (unladen)	mm	5098 / 1902 / 1467		
Wheelbase	mm	3070		
Track, front/rear	mm	1617 / 1646		
Ground clearance	mm	135		
Turning circle	m	12.5		
Tank capacity	approx. ltr	78		
Engine oil 2)	ltr	6.5		
Weight, unladen, to DIN/EU	kg	1845 / 1920		
Max. load to DIN	kg	695		
Max. permissible weight	kg	2540		
Max. axle load, front/rear	kg	1220 / 1385		
Max. trailer load,	kg			
braked (12%)/unbraked		2100 / 750		
Max. roof load/towbar download	kg	100 / 100		
Luggage comp. capacity	ltr	515		
Air resistance	c <sub>d</sub> x A	0.25 x 2.41		
Engine				
Config./No. of cyls./valves		in-line / 6 / 4		
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet		
g		geometry, common rail direct fuel injection with piezo injectors		
		(max. injection pressure: 2500 bar)		
Effective capacity	cm <sup>3</sup>	2993		
Stroke/bore	mm	90.0 / 84.0		
Compression ratio	:1	16.5		
Fuel		Diesel		
Output	kW/hp	195 / 265		
at	rpm	4000		
Torque	Nm	620		
at	rpm	2000 – 2500		
Electrical System				
Battery/Installation	Ah/-	105 / luggage comp.		
Driving Dynamics and Safety				
Suspension, front		Double track control arm axle with separate lower track arm level,		
		aluminium, small steering roll radius, anti-dive, air suspension		
		with automatic self-levelling		
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,		
	double acoustic separation, air suspension with automatic self-le			
Brakes, front	Four-piston fixed-calliper disc brakes / vented			
Brakes, rear		Single-piston floating-calliper disc brakes / vented		
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),		
	CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying			
	fı	unction, fading compensation, start-off assistant, networked with xDrive all-		
		wheel-drive system; optional: Adaptive Suspension		
Safety equipment	(	Standard: airbags for driver and front passenger, side airbags for driver and		
		front passenger, head airbags for front and rear seats, three-point inertia-		
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at		
		the front seats, crash sensors, Tyre Pressure Indicator		
Steering		Electromechanical rack-and-pinion power steering (EPS)		
		with Servotronic function; optional: Integral Active Steering		
Steering ratio, overall	:1	16.9		
Tyres, front/rear		225/60 R17 99Y		
Rims, front/rear		7.5J x 17 light-alloy		

BMW 730d xDrive
8-speed Steptronic
5.000
3.200
2.143
1.720
1.313
1.000
0.823
0.640
3.478
2.563
9.5
65.2
5.8
250

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

<b>Fuel consumption EU</b>	cycle		
Urban	ltr/100 km	6.9 – 6.9	
Extra-urban	ltr/100 km	5.1 – 4.9	
Combined	ltr/100 km	5.8 – 5.6	
CO <sub>2</sub>	g/km	152 – 148	
Emission rating		EU6c	

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

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

### BMW 7 Series. 740d xDrive.

		BMW 740d xDrive
D. J.		
Body No. of degra/goots		4/5
No. of doors/seats  Length/width/height 1) (unladen)	mm	5098 / 1902 / 1467
Wheelbase		3070
Track, front/rear	mm mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.5
Tank capacity	approx. Itr	78
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1870 / 1945
Max. load to DIN	kg	660
Max. permissible weight	kg	2530
Max. axle load, front/rear	kg	1250 / 1360
Max. trailer load,	kg	12007 1000
braked (12%)/unbraked	9	2300 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	ltr	515
Air resistance	c <sub>d</sub> x A	0.25 x 2.41
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging,
g		high and low pressure turbocharger with variable inlet geometry, common
		rail direct fuel injection with piezo injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	235 / 320
at	rpm	4400
Torque	Nm	680
at	rpm	1750 – 2250
Electrical System		
Battery/Installation	Ah/–	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level,
•		aluminium, small steering roll radius, anti-dive, air suspension
		with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
		double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
	f	unction, fading compensation, start-off assistant, networked with xDrive all-
Cofel and Invest		wheel-drive system; optional: Adaptive Suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
Steering		the front seats, crash sensors, Tyre Pressure Indicator  Electromechanical rack-and-pinion power steering (EPS)
Steering		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	with Servotronic function, optional: integral Active Steering  16.9
Tyres, front/rear	.1	225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy
Tarris, HUTIVIEGI		1.50 x 11 light-alluy

		BMW 740d xDrive	
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios I	:1	5.000	
	:1	3,200	
III	:1	2.143	
IV	:1	1.720	
V	:1	1.313	
VI	:1	1.000	
VII	:1	0.823	
VIII	:1	0.640	
R	:1	3.478	
Final drive	:1	2.563	
Performance			
Power-to-weight ratio (DIN)	kg/kW	8.0	
Output per litre	kW/l	78.5	
Acceleration 0-100 km/h	S	5.2	
Top speed	km/h	250	

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU	cycle		
Urban	ltr/100 km	7.6 – 7.3	
Extra-urban	ltr/100 km	5.2 – 5.1	
Combined	ltr/100 km	6.1 – 5.9	
CO <sub>2</sub>	g/km	160 – 156	
Emission rating		EU6c	

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

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

### BMW 7 Series. 750d xDrive.

		BMW 750d xDrive
Dadu		
Body No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5098 / 1902 / 1467
Wheelbase	mm	3070
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	12.5
Tank capacity	approx. ltr	78
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1950 / 2025
Max. load to DIN	kg	680
Max. permissible weight	kg	2630
Max. axle load, front/rear	kg	1300 / 1400
Max. trailer load,	kg	10007 1 100
braked (12%)/unbraked	9	2300 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	Itr	515
Air resistance	c <sub>d</sub> x A	0.26 x 2.41
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging with four
g		turbochargers, high and low pressure charging stage with two chargers
	6	each, high pressure turbocharger with variable inlet geometry, common-rail
		direct injection with piezo injectors (max. injection pressure: >2500 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Output	kW/hp	294 / 400
at	rpm	4400
Torque	Nm	760
at	rpm	2000 – 3000
Electrical System		
Battery/Installation	Ah/–	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level,
		aluminium, small steering roll radius, anti-dive, air suspension
		with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
		double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
	f	unction, fading compensation, start-off assistant, networked with xDrive all-
		wheel-drive system; optional: Adaptive Suspension
Safety equipment	;	Standard: airbags for driver and front passenger, side airbags for driver and
		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
Ctassing		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Ctaoring ratio averall	.1	with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.9
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

		BMW 750d xDrive	
 Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios I	:1	5.000	
	II :1	3.200	
	III :1	2.143	
	V :1	1.720	
	V :1	1.313	
,	/I :1	1.000	
\	/II :1	0.823	
V	III :1	0.640	
	R :1	3.478	
Final drive	:1	2.813	
Performance			
Power-to-weight ratio (DIN)	kg/kW	6.6	
Output per litre	kW/l	98.2	
Acceleration 0–100 km/h	S	4.6	
Top speed	km/h	250	

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU	cycle		
Urban	ltr/100 km	8.0 – 7.6	
Extra-urban	ltr/100 km	5.4 – 5.4	
Combined	ltr/100 km	6.4 – 6.2	
CO <sub>2</sub>	g/km	168 – 164	
Emission rating		EU6c	

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

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

### BMW 7 Series. 730Ld.

		BMW 730Ld
Body		
No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1618 / 1646
Ground clearance	mm	135
Turning circle	m	12.8
Tank capacity	approx. ltr	78
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1820 / 1895
Max. load to DIN	kg	670
Max. permissible weight	kg	2490
Max. axle load, front/rear	kg	1200 / 1380
Max. trailer load,	kg	
braked (12%)/unbraked		2100 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	ltr	515
Air resistance	c <sub>d</sub> x A	0.25 x 2.42
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet
3		geometry, common rail direct fuel injection with piezo injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
El de de de		
Electrical System	Ah/-	105 //
Battery/Installation	An-	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level,
		aluminium, small steering roll radius, anti-dive, air suspension
		with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
		double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		function, fading compensation, start-off assistant; optional: Adaptive
		Suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.9
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

			BMW 730Ld
Transmission	n		
Type of gearbo	OX		8-speed Steptronic
Gear ratios	I	:1	5.000
	II	:1	3.200
	III	:1	2.143
	IV	:1	1.720
	V	:1	1.313
	VI	:1	1.000
	VII	:1	0.823
	VIII	:1	0.640
	R	:1	3.478
Final drive		:1	2.563
Performance	<b>)</b>		
Power-to-weig	ht ratio (DIN)	kg/kW	9.3
Output per litre	Э	kW/l	65.2
Acceleration	0–100 km/h	S	6.2
Top speed		km/h	250
BMW Efficier	ntDynamics		
BMW Efficient	Dynamics		Brake Energy Regeneration with recuperation display, EPS (Electric Power
standard featu	res		Steering), Auto Start Stop function, Optimum Shift Indicator,
			ECO PRO mode with coasting function and Proactive Driving Assistant,
			BMW EfficientLightweight, optimised aerodynamic attributes, active air flap
			control, on-demand operation of ancillary units, map-controlled oil pump,
			differential with optimized-warm-up behaviour, tyres with reduced rolling
			resistance, BMW Blue Performance technology including SCR catalytic

Fuel consumption EU cycle ltr/100 km Urban 6.5 - 6.4Extra-urban Itr/100 km 5.1 – 4.9 5.6 – 5.4 Itr/100 km Combined 148 – 143 CO<sub>2</sub> g/km

converter

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

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

## BMW 7 Series. 730Ld xDrive.

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		BMW 730Ld xDrive
D. J.		
Body No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	mm m	12.9
Tank capacity	approx. ltr	78
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	
Max. load to DIN	kg	700
Max. permissible weight	kg	2580
Max. axle load, front/rear	kg	1245 / 1400
Max. trailer load,	kg	12407 1400
braked (12%)/unbraked	ĸg	2100 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	Ng Itr	515
Air resistance	C <sub>d</sub> x A	0.25 x 2.42
All resistance	CaxA	0.23 X 2.42
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: turbocharger with variable inlet
3		geometry, common rail direct fuel injection with piezo injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	195 / 265
at	rpm	4000
Torque	Nm	620
at	rpm	2000 – 2500
Electrical System		
Battery/Installation	Ah/–	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level,
		aluminium, small steering roll radius, anti-dive, air suspension
		with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
		double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
	(	CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
		nction, fading compensation, start-off assistant, networked with xDrive all-
		wheel-drive system; optional: Adaptive Suspension
Safety equipment	S	standard: airbags for driver and front passenger, side airbags for driver and
	f	front passenger, head airbags for front and rear seats, three-point inertia-
	r	reel seatbelts on all seats with belt latch tensioner and belt force limiter at
		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.9
Tyres, front/rear		225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy

8-speed Steptronic	
<u> </u>	
F 000	
5.000	
3.200	
2.143	
1.720	
1.313	
1.000	
0.823	
0.640	
3.478	
2.563	_
9.6	
65.2	
5.9	
250	
	1.720 1.313 1.000 0.823 0.640 3.478 2.563 9.6 65.2 5.9

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU cycle			
Urban	ltr/100 km	6.9 – 6.9	
Extra-urban	ltr/100 km	5.2 – 4.9	
Combined	ltr/100 km	5.8 – 5.7	
CO <sub>2</sub>	g/km	153 – 149	
Emission rating		EU6c	

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

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

## BMW 7 Series. 740Ld xDrive.

		BMW 740Ld xDrive
Dadu		
Body No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1617 / 1646
Ground clearance	mm	135
Turning circle	m	12.9
Tank capacity	approx. Itr	78
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1915 / 1990
Max. load to DIN	kg	655
Max. permissible weight	kg	2570
Max. axle load, front/rear	kg	1270 / 1380
Max. trailer load,	kg	127071000
braked (12%)/unbraked	9	2300 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	ltr	515
Air resistance	c <sub>d</sub> x A	0.25 x 2.42
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging,
g		high and low pressure turbocharger with variable inlet geometry, common
		rail direct fuel injection with piezo injectors
		(max. injection pressure: 2500 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Output	kW/hp	235 / 320
at	rpm	4400
Torque	Nm	680
at	rpm	1750 – 2250
Electrical System		
Battery/Installation	Ah/–	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level,
•		aluminium, small steering roll radius, anti-dive, air suspension
		with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
		double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
	f	unction, fading compensation, start-off assistant, networked with xDrive all-
Cofel and Invest		wheel-drive system; optional: Adaptive Suspension
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and
		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
Stooring		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Steering ratio, overall	:1	with Servotronic function; optional: Integral Active Steering 16.9
Tyres, front/rear	.1	225/60 R17 99Y
Rims, front/rear		7.5J x 17 light-alloy
TAITIS, HUHUTEAI		1.50 x 11 light-alluy

		BMW 740Ld xDrive	
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	l :1	5.000	
	II :1	3.200	
	III :1	2.143	
	IV :1	1.720	
	V :1	1.313	
	VI :1	1.000	
	VII :1	0.823	
	VIII :1	0.640	
	R :1	3.478	
Final drive	:1	2.563	
Performance			
Power-to-weight ratio (DIN)	kg/kW	8.1	
Output per litre	kW/l	78.5	
Acceleration 0–100 km	h s	5.3	
Top speed	km/h	250	

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU cycle			
Urban	ltr/100 km	7.8 – 7.6	
Extra-urban	ltr/100 km	5.2 – 5.2	
Combined	ltr/100 km	6.2 – 6.0	
CO <sub>2</sub>	g/km	163 – 159	
Emission rating		EU6c	

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

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

## BMW 7 Series. 750Ld xDrive.

		BMW 750Ld xDrive
Dadu		
Body No. of doors/seats		4/5
Length/width/height 1) (unladen)	mm	5238 / 1902 / 1479
Wheelbase	mm	3210
Track, front/rear	mm	1611 / 1640
Ground clearance	mm	135
Turning circle	m	12.9
Tank capacity	approx. ltr	78
Engine oil 2)	ltr	6.5
Weight, unladen, to DIN/EU	kg	1980 / 2055
Max. load to DIN	kg	690
Max. permissible weight	kg	2670
Max. axle load, front/rear	kg	1310 / 1420
Max. trailer load,	kg	
braked (12%)/unbraked	3	2300 / 750
Max. roof load/towbar download	kg	100 / 100
Luggage comp. capacity	ltr	515
Air resistance	c <sub>d</sub> x A	0.26 x 2.42
Engine		
Config./No. of cyls./valves		in-line / 6 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage charging with four
g		turbochargers, high and low pressure charging stage with two chargers
	6	each, high pressure turbocharger with variable inlet geometry, common-rail
		direct injection with piezo injectors (max. injection pressure: >2500 bar)
Effective capacity	cm <sup>3</sup>	2993
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.0
Fuel		Diesel
Output	kW/hp	294 / 400
at	rpm	4400
Torque	Nm	760
at	rpm	2000 – 3000
Electrical System		
Battery/Installation	Ah/-	105 / luggage comp.
Driving Dynamics and Safety		
Suspension, front		Double track control arm axle with separate lower track arm level,
, , , , ,		aluminium, small steering roll radius, anti-dive, air suspension
		with automatic self-levelling
Suspension, rear		Five-link axle, aluminium, with steering function, anti-squat and anti-dive,
		double acoustic separation, air suspension with automatic self-levelling
Brakes, front		Four-piston fixed-calliper disc brakes / vented
Brakes, rear		Single-piston floating-calliper disc brakes / vented
Driving stability systems		Standard: DSC incl. ABS and DTC (Dynamic Traction Control),
		CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying
	f	unction, fading compensation, start-off assistant, networked with xDrive all-
		wheel-drive system; optional: Adaptive Suspension
Safety equipment	;	Standard: airbags for driver and front passenger, side airbags for driver and
		front passenger, head airbags for front and rear seats, three-point inertia-
		reel seatbelts on all seats with belt latch tensioner and belt force limiter at
Otro de la		the front seats, crash sensors, Tyre Pressure Indicator
Steering		Electromechanical rack-and-pinion power steering (EPS)
Character metics as a sufficient		with Servotronic function; optional: Integral Active Steering
Steering ratio, overall	:1	16.9
Tyres, front/rear		245/50 R18 100Y
Rims, front/rear		8J x 18 light-alloy

		BMW 750Ld xDrive	
Transmission			
Type of gearbox		8-speed Steptronic	
Gear ratios	l :1	5.000	
	II :1	3.200	
	III :1	2.143	
	IV :1	1.720	
	V :1	1.313	
	VI :1	1.000	
	VII :1	0.823	
	VIII :1	0.640	
	R :1	3.478	
Final drive	:1	2.813	
Performance			
Power-to-weight ratio (DIN)	kg/kW	6.7	
Output per litre	kW/l	98.2	
Acceleration 0–100 km.	/h s	4.7	
Top speed	km/h	250	

BMW EfficientDynamics standard features

Brake Energy Regeneration with recuperation display, EPS (Electric Power Steering), Auto Start Stop function, Optimum Shift Indicator, ECO PRO mode with coasting function and Proactive Driving Assistant, BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-controlled oil pump, differential and power divider with optimized-warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel consumption EU cycle			
Urban	ltr/100 km	8.2 – 7.7	
Extra-urban	ltr/100 km	5.4 – 5.4	
Combined	ltr/100 km	6.4 – 6.3	
CO <sub>2</sub>	g/km	169 – 165	
Emission rating		EU6c	

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

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