

Specifications. BMW 7 Series. 740Li xDrive



BMW 740Li xDrive			
Body			
No. of doors/seats			4 / 5
Length/width/height ¹⁾ (unladen)	mm		5238 / 1902 / 1485
Wheelbase	mm		3210
Track, front/rear	mm		1618 / 1646
Ground clearance	mm		135
Turning circle	m		12.9
Tank capacity	approx. ltr		78
Engine oil ²⁾	ltr		6.5
Weight, unladen, to DINEU	kg		1825 / 1900
Max. load to DIN	kg		675
Max. permissible weight	kg		2500
Max. axle load, front/rear	kg		1210 / 1350
Max. trailer load, braked (12%)/unbraked	kg		2300 / 750
Max. roof load/towbar download	kg		100 / 100
Luggage comp. capacity	ltr		515
Air resistance	c _d x A		0.25 x 2.42
Engine			
Config./No. of cyls./valves			In-line / 6 / 4
Engine technology	BMW TwinPower Turbo technology: TwinScroll turbocharger, High Precision Injection, VALVETRONIC fully variable valve control, Double-VANOS variable camshaft timing		
Effective capacity	cm ³		2998
Stroke/bore	mm		94.6 / 82.0
Compression ratio	:1		11.0
Fuel			min RON 91
Output	kW/hp		240 / 326
at	rpm		5500 – 6500
Torque	Nm		450
at	rpm		1380 – 5000
Electrical System			
Battery/Installation	Ah/–		105 / luggage comp.
Alternator	A/W		180 / 2520
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 Dynamic Traction Control (DTC), Cornering Brake Control (CBC), Dynamic Brake Control (DBC), Dry Braking function, Fading Compensation, Start-Off Assistant, linked to xDrive all-wheel drive, Dynamic Damper Control		
Safety equipment	Standard: airbags for driver and passenger, side airbags for driver and passenger, head airbags for 1st and 2nd seat row, knee airbag for driver, three-point inertia-reel belts on all seats, integrated at the front with belt tightener and belt force limiter, crash sensors, tyre pressure indicator		
Steering	Electric 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

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Transmission				
Type of gearbox		8-speed Steptronic transmission		
Gear ratios	I	:1		5.000
	II	:1		3.200
	III	:1		2.143
	IV	:1		1.720
	V	:1		1.314
	VI	:1		1.000
	VII	:1		0.822
	VIII	:1		0.640
	R	:1		3.456
Final drive		:1		3.077
Performance				
Power-to-weight ratio (DIN)		kg/kW		7.6
Output per litre		kW/ltr		80.1
Acceleration	0–100 km/h	s		5.2
in 5th gear	80–120 km/h	s	–	–
Top speed		km/h		250
BMW EfficientDynamics				
BMW EfficientDynamics standard features		Brake Energy Regeneration with recuperation display, Electric Power Steering, Auto Start Stop function, Optimum Gearshift 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, disengageable climate compressor, differential with optimised warm-up behaviour, efficiency- and weight-optimised all-wheel drive, tyres with reduced rolling resistance		
Fuel consumption EU cycle ³⁾				
With rims 7.5J x 17 and tyres 225/60 R17				
Urban		ltr/100 km		9.6
Extra-urban		ltr/100 km		5.5
Combined		ltr/100 km		7.0
CO ₂		g/km		164
With rims 8J x 18 and tyres 245/50 R18, with rims 8.5J x 19 and tyres 245/45 R19 as well as winter tyres				
Urban		ltr/100 km		10.0
Extra-urban		ltr/100 km		5.7
Combined		ltr/100 km		7.3
CO ₂		g/km		169
With rims 8.5J x 19 front, 9.5J x 19 rear and tyres 245/45 R19 front, 275/40 R19 rear, With rims 8.5J x 20 front, 10J x 20 rear and tyres 245/40 R20 front, 275/35 R20 rear, With rims 8.5J x 21 front, 10J x 21 rear and tyres 245/35 R21 front, 275/30 R21 rear				
Urban		ltr/100 km		10.3
Extra-urban		ltr/100 km		5.8
Combined		ltr/100 km		7.5
CO ₂		g/km		174
Emission rating				EU6

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

¹⁾ Height including roof aerial

²⁾ Oil change volume

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