

IMMEDIATE

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**2001 BMW 7 SERIES  
SPECIFICATIONS**

**Bold** within table indicates new specification for 2001

	<b>740i</b>	<b>740iL<sup>1</sup></b>	<b>750iL<sup>1</sup></b>
<b>GENERAL</b>			
Curb weight, lb.	4255	4288 (4630)	4597 (4905)
Weight distribution, front/rear, %	50.8/49.2	50.6/49.4 (49.8/50.2)	50.1/49.9 (49.4/50.6)
Wheelbase, in.	115.4	120.9	120.9
Track, front/rear, in.	60.9/61.5 <sup>2 3</sup>		
Length, in.	196.2	201.7	201.7
Width, in.	73.3	73.3	73.3
Height, in.	56.5 <sup>2</sup>	56.1	56.1
<b>ACCOMMODATION</b>			
Seating capacity, persons	5 <sup>2</sup> (4)		
Shoulder room, front/rear, in.	58.4/58.4 <sup>2</sup>		
Head room, front/rear, in.	37.4/37.9	37.5/38.1 (38.9/38.2)	37.5/38.1 (38.9/38.2)

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<sup>1</sup> Where specification for Protection Line model differs from that of standard model, the Protection Line specification appears in parentheses.

<sup>2</sup> Specification applies to all models.

<sup>3</sup> With optional Sport Package, 740i tracks are 61.1/61.6 in., height is 56.3 in., transmission has STEPTRONIC feature & high-stall-speed torque converter, final drive ratio is 3.15:1, wheels & tires are 18-in.

	<b>740i</b>	<b>740iL</b>	<b>750iL</b>
<b>ACCOMMODATION (cont.)</b>			
Leg room, front/rear, in.	41.9/36.7	41.9/41.9	41.9/41.9
EPA interior volume, cu ft.	100.3	107.0	107.0
EPA cargo volume, cu ft.	13.0 <sup>2</sup>		
<b>BODY</b>			
Type	Unitized all-steel structure <sup>2</sup>		
Aerodynamic drag coefficient (C <sub>D</sub> )	0.31	0.31	0.32
EPA size classification	Large <sup>2</sup>		
<b>ENGINE &amp; ELECTRICAL</b>			
Engine type	DOHC 32-valve (4-cam) V-8, VANOS <sup>4</sup> steplessly variable valve timing		SOHC V-12
Bore x stroke, in.	3.62 x 3.26	3.62 x 3.26	3.35 x 3.11
mm	92.0 x 82.7	92.0 x 82.7	85.0 x 79.0
Displacement, cu in./cc	268/4398	268/4398	328/5379
Compression ratio	10.0:1 <sup>2</sup>		
Power @ rpm, hp	282 @ 5400	282 @ 5400	326 @ 5000
Torque @ rpm, lb-ft.	324 @ 3700	324 @ 3700	361 @ 3900
Engine-management system	Bosch HFM- Motronic M5.2.1. with adaptive knock control	Bosch HFM- Motronic M5.2.1. with adaptive knock control	Bosch HFM- Motronic M5.2.1. (dual DME) with adaptive knock control
Fuel requirement	Premium unleaded <sup>2</sup>		
Fuel capacity, U.S. gal.	22.5 <sup>5</sup>	22.5 <sup>5</sup>	25.1
	<b>740i</b>	<b>740iL <sup>1</sup></b>	<b>750iL <sup>1</sup></b>

<sup>4</sup> VANOS = **V**ARiable **N**Ockenwellen **S**teuerung = variable cam control, or variable valve timing.

<sup>5</sup> With optional Adaptive Ride Package, 25.1 U.S. gal.

**ENGINE & ELECTRICAL (cont.)**

Battery capacity, amp-hr.	110 <sup>2</sup>
Alternator output, amp./W	150/2100 <sup>2</sup>

**DRIVETRAIN**

Drive system	Front engine/rear drive <sup>2</sup>		
Automatic transmission	ZF 5HP24 EH, 5-speed		ZF 5HP30 EH, 5-speed
Ratios: 1st	3.57:1	3.57:1	3.55:1
2nd	2.20:1	2.20:1	2.24:1
3rd	1.51:1	1.51:1	1.54:1
4th	1.00:1	1.00:1	1.00:1
5th	0.80:1	0.80:1	0.79:1
Reverse	4.10:1	4.10:1	3.68:1
Final drive ratio	2.93:1 <sup>3</sup>	2.93:1	2.81:1

**CHASSIS**

Body/frame construction	Unitized steel <sup>2</sup> (with Aramide armor)
Front suspension	Struts, forged aluminum double-pivot lower arms, variable-diameter coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar <sup>2</sup>
Rear suspension	4-link integral suspension, coil springs, twin-tube gas-press. shock absorbers <sup>2</sup> (750iL: add Electronic Damping Control, self-leveling & rear anti-roll bar; single-tube shock absorbers)
Adaptive Ride Package	Electronic Damping Control, self-leveling rear suspension & rear anti-roll bar –

	740i	740iL	750iL
<b>CHASSIS (cont.)</b>			
	opt. 740i & 740iL; std. 740iL Protection, 750iL & 750iL Protection;		
	NA with 740i & <b>740iL Sport Package</b>		
Sport Package	740i: sport suspension calibration		
	<b>740iL: Electronic Damping Control &amp; rear anti-roll bar</b>		
	<b>750iL: no change from standard</b>		
<b>susp.</b>			
Steering type	Self-adjusting recirculating ball, vehicle-speed-sensitive power assist <sup>2</sup>		
Steering overall ratio	16.9:1 <sup>2</sup>		
Turns lock-to-lock	3.7 <sup>2</sup>		
Turning circle, ft. (curb-to-curb)	38.1	40.0	40.0
Antilock braking system:			
Front discs	12.8-in. vented	12.8-in. vented	13.1-in. vented
Rear discs	12.8-in. solid	12.8-in. solid	12.9-in. vented
Assist	Vacuum <sup>2</sup>		
Wheels: standard	Cast alloy, 16 x 8.0	Cast alloy, 16 x 8.0 (17 x 8.0)	Cast alloy, 16 x 7.5 (17 x 8.0)
<b>optional at no extra cost</b>	<b>Cast alloy, 17 x 8.0, run-flat type <sup>6</sup></b>		
optional at extra cost (Sport Pkg.)	Cast alloy, 18 x 8.0 <sup>7</sup>		
Tires: standard	235/60R-16 H all-season <sup>2</sup> (235/55R-17X run-flat)		
<b>optional at no extra cost</b>	<b>235/55R-17X run-flat performance <sup>6</sup></b>		

<sup>6</sup> Optional on 740i, 740iL & 750iL; standard on Protection Line models.

<sup>7</sup> Sport Pkg. available on 740i, 740iL & 750iL; not available on Protection Line models.

optional at extra cost (Sport Pkg.) 235/50ZR-18 front / 255/45ZR-18 rear <sup>7</sup>

	<b>740i</b>	<b>740iL</b>	<b>750iL</b>
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**PERFORMANCE DATA**

Acceleration, 0-60 mph, sec. <sup>8</sup>	6.9 <sup>9</sup>	6.9 (7.4)	6.6 (7.1)
Top speed, mph	128 <sup>2 10</sup>		
740i with Sport Package	155		
EPA est. MPG, city/highway	17/23 <sup>11</sup>	17/23	13/20

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<sup>8</sup> BMW AG test data. Actual acceleration results may vary depending on specification of vehicle; road & environmental conditions; test procedures and driving style. These results should be used for comparison only, and verification should not be attempted on public roads. BMW urges you to obey all posted speed limits and to please wear your safety belt at all times.

<sup>9</sup> 6.8 with Sport Package.

<sup>10</sup> Electronically limited.

<sup>11</sup> 15/21 with Sport Package.