

# BMW of North America, Inc.

For Release IMMEDIATE

Contact Robert D. Mitchell  
Product Information Manager  
201-307-3790 / e-mail: rob.mitchell@bmwna.com

Dave Buchko  
Product Information Specialist  
201-307-3789 / e-mail: dave.buchko@bmwna.com

## 2000 BMW 7 SERIES SPECIFICATIONS

**Bold** indicates new specification for 2000

	<b>740i</b>	<b>740iL</b>	<b>740iL Protection</b>	<b>750iL</b>	<b>750iL Protection</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	120.9	120.9
Track, front/rear, in.	60.9/61.5 <sup>1 2</sup>				
Length, in.	196.2	201.7	201.7	201.7	201.7
Width, in.	73.3 <sup>1</sup>				
Height, in.	56.5 <sup>2</sup>	56.1	56.1	56.1	56.1

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<sup>1</sup> Specification applies to all models

<sup>2</sup> With optional Sports Package on 740i, tracks f/r are 61.1/61.6 in., height is 56.3 in.

	<b>740i</b>	<b>740iL</b>	<b>740iL Protection</b>	<b>750iL</b>	<b>750iL Protection</b>
<b>ACCOMMODATIONS</b>					
Seating capacity, persons	5	5	4	5	4
Shoulder room, front/rear, in.	58.4/58.4 <sup>1</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
Leg room, front/rear, in.	41.9/36.7	41.9/41.9	41.9/41.9	41.9/41.9	41.9/41.9
EPA interior volume, cu ft.	100.3	107.0	107.0	107.0	107.0
EPA cargo volume, cu ft.	13.0 <sup>1</sup>				
<b>BODY</b>					
Type	Unitized all-steel structure <sup>1</sup>				
Aerodynamic drag coefficient (C <sub>D</sub> )	0.31	0.31	0.31	0.32	
	0.32				
EPA size classification	Large <sup>1</sup>				

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<sup>1</sup> Specification applies to all models

	<b>740i</b>	<b>740iL</b>	<b>740iL Protection</b>	<b>750iL</b>	<b>750iL Protection</b>
<b>ENGINE &amp; ELECTRICAL</b>					
Engine type	DOHC 32-valve (4-cam) V-8, VANOS <sup>3</sup> steplessly variable valve timing			SOHC V-12	
Bore x stroke, in.	3.62 x 3.26			3.35 x 3.11	
mm	92.0 x 82.7			85.0 x 79.0	
Displacement, cu in./cc	268/4398			328/5379	
Compression ratio	10.0:1 <sup>1</sup>				
Power @ rpm, hp	282 @ 5400			326 @ 5000	
Torque @ rpm, lb-ft.	324 @ 3700			361 @ 3900	
Engine-management system	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>1</sup>				
Fuel capacity, U.S. gal.	22.5 <sup>4</sup>	22.5 <sup>4</sup>	22.5 <sup>4</sup>	25.1	25.1
Battery capacity, amp-hr.	110 <sup>1</sup>				
Alternator output, amp./W	150/2100 <sup>1</sup>				

<sup>3</sup> VANOS = **V**ariable **N**ockenwellen **S**teuerung = variable cam control, or variable valve timing

<sup>1</sup> Specification applies to all models

<sup>4</sup> With optional Adaptive Ride Package, 25.1 U.S. gal.

	<b>740i</b>	<b>740iL</b>	<b>740iL Protection</b>	<b>750iL</b>	<b>750iL Protection</b>
<b>DRIVETRAIN</b>					
Drive system	Front engine/rear drive <sup>1</sup>				
Automatic transmission	ZF 5HP24 EH <sup>5</sup> , ZF 5HP24 EH,	ZF 5HP24 EH,	ZF 5HP24 EH,	ZF 5HP30 EH,	ZF 5HP30 EH,
	5-speed	5-speed	5-speed	5-speed	5-speed
Ratios: 1st	3.57:1	3.57:1	3.57:1	3.55:1	3.55:1
2nd	2.20:1	2.20:1	2.20:1	2.24:1	2.24:1
3rd	1.51:1	1.51:1	1.51:1	1.54:1	1.54:1
4th	1.00:1	1.00:1	1.00:1	1.00:1	1.00:1
5th	0.80:1	0.80:1	0.80:1	0.79:1	0.79:1
Reverse	4.10:1	4.10:1	4.10:1	3.68:1	3.68:1
Final drive ratio	2.93:1 <sup>5</sup>	2.93:1	2.93:1	2.81:1	2.81:1
<b>CHASSIS</b>					
Body/frame construction	Unitized steel	Unitized steel	Unitized steel	Unitized steel	Unitized steel
			with Aramide armor		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>1</sup> 740i with Sport Package: sport calibration				

<sup>1</sup> Specification applies to all models

<sup>5</sup> With optional Sports Package, 740i transmission has STEPTRONIC and a high-stall-speed torque converter, final drive ratio is 3.15:1

	740i	740iL	740iL Protection	750iL	750iL Protection
<b>CHASSIS (cont'd)</b>					
Rear suspension	4-link integral suspension, coil springs, twin-tube gas-pressure shock absorbers <sup>1</sup> 740i with Sport Pkg.: sport calibration				
<b>Adaptive Ride Package</b>	Electronic Damping Control, self-leveling rear suspension & rear anti-roll bar – opt. 740i & 740iL; std. 740iL Protection, 750iL & 750iL Protection; Not Available on with 740i Sport Package				
Steering type	Self-adjusting recirculating ball, vehicle-speed-sensitive power assist				
Overall ratio	16.9:1 <sup>1</sup>				
Turns lock-to-lock	3.7 <sup>1</sup>				
Turning circle, ft. (curb-to-curb)	38.1	40.0	40.0	40.0	40.0
Antilock braking system:					
Front discs	12.8-in. vented			13.1-in. vented	
Rear discs	12.8-in. solid			12.9-in. vented	
Assist	Vacuum <sup>1</sup>				
Wheels: standard	Cast alloy		Cast alloy	Cast alloy	Cast alloy
	16 x 8.0		17 x 8.0	16 x 7.5	17 x 8.
	optional	<b>cast alloy, 18 x 8.0 F/ 18 x 9.5 *</b>			

<sup>1</sup> Specification applies to all models

<sup>6</sup> Included as part of the Sport Package on the 740i or as a stand alone optional on all but the Protection Line models

	<b>740i</b>	<b>740iL</b>	<b>740iL Protection</b>	<b>750iL</b>	<b>750iL Protection</b>
<b>CHASSIS (cont.)</b>					
Tires: standard	235/60R-16 H all-season		235/55R-17H run-flat	235/60R-16 H all-season	235/55R-17H run-flat
optional	<b>235/50ZR-18 F / 255/45ZR-18 R performance<sup>6</sup></b>				
<b>PERFORMANCE</b>					
Acceleration, 0-60 mph, sec. <sup>7</sup>	6.9 <sup>8</sup>	6.9	7.4	6.6	7.1
Top speed, mph	128 <sup>9</sup>				
EPA est. MPG, city/highway	17/23 <sup>10</sup>	17/23	17/23	13/20	13/20

11/24/99

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<sup>7</sup> BMW AG test data. Actual acceleration results may vary depending upon vehicle specification, road & environmental conditions, test procedures and driving style. These results should be used for comparison only duplication should not be attempted on public roads. BMW encourages you to obey all posted speed limits and wear your seat belt at all times.

<sup>8</sup> 6.8 with Sport Package

<sup>9</sup> Electronically limited on all models. On 740i with Sport Package top speed limited to 155 mph

<sup>10</sup> 15/21 with Sport Package