

IMMEDIATE

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2002 BMW 7 SERIES TECHNICAL SPECIFICATIONS

	745i	745Li
GENERAL		
Curb weight, lb.	4376	4464
Weight distribution, front/rear, %	50.4/49.6	50.6/49.4
Wheelbase, in.	117.7	123.2
Track, front/rear, in.	62.4/62.6 ¹	
Length, in.	198.0	203.5
Width, in.	74.9 ¹	
Height, in.	58.7	58.4
ACCOMMODATIONS		
Seating capacity, persons	5 ¹	
Shoulder room, front/rear, in.	59.3/58.7	59.3/58.9
Leg room, front/rear	41.3/TBA	41.3/TBA
EPA interior volume, cu ft.	104.0	105.0
EPA cargo volume, cu ft.	18.0 ¹	
BODY		
Type	4-door sedan ¹	
Aerodynamic drag coefficient (C _D)	0.29 ¹	
EPA size classification	Large ¹	

¹ - Specification applies to both models.

ENGINE & ELECTRICAL

	745i	745Li
Engine type	DOHC 32-valve (4-cam) V-8, Valvetronic variable valve lift & VANOS ² variable valve timing ¹	
Cylinder block & heads	Aluminum ¹	
Bore x stroke, mm/in.	92.0 x 82.7 / 3.62 x 3.26 ¹	
Displacement, cc/cu in.	4398/268 ¹	
Compression ratio	10.5:1 ¹	
Power @ rpm, hp	325 @ 6100 ¹	
Torque @ rpm, lb-ft.	330 @ 3600 ¹	
Engine-management system	Motronic ME9 ¹	
Fuel requirement	Premium unleaded ¹	
Fuel capacity, U.S. gal.	23.3 ¹	
Battery capacity, amp-hr.	110 ¹	
Alternator output, amp./W	180/2520 ¹	

DRIVETRAIN

Drive system	Front engine/rear drive ¹
Automatic transmission	ZF 6HP26, 6-speed ¹
Ratios: 1st	4.17:1 ¹
2nd	2.34:1 ¹
3rd	1.52:1 ¹
4th	1.14:1 ¹
5th	0.87:1 ¹
6th	0.69:1 ¹
Reverse	3.40:1 ¹
Final drive ratio	3.38:1 ¹

² - VANOS = **V**Arable **N**Ockenwellen **S**teuerung = variable camshaft control, or variable valve timing.

	745i	745Li
CHASSIS		
Body/frame construction	Unitized all-steel structure with aluminum hood & front fenders ¹	
Front suspension	Strut-type in aluminum; double-pivot lower arms, coil springs, twin-tube gas-pressure shock absorbers, Active Roll Stabilization; aluminum subframe ¹	
Rear suspension	4-link integral suspension in aluminum, coil springs, twin-tube gas-pressure shock absorbers, Active Roll Stabilization; aluminum subframe ¹	
Steering type	Rack & pinion, vehicle-speed-sensitive power assist & variable ratio ¹	
Turns lock-to-lock	3.07 ¹	
Turning circle, ft.	39.7	41.3
4-wheel ventilated disc brakes:		
Front, diameter x thickness, mm/in.	348 x 30 / 13.7 x 1.18 ¹	
Rear, diameter x thickness, mm/in.	345 x 24 / 13.6 x 0.94 ¹	
Assist	Vacuum ¹	
Wheels: standard	Cast alloy, 18 x 8.0 ¹	
optional	Cast alloy, 19 x 9.0 front / 19 x 10.0 rear ¹	
Tires: standard	245/50R-18 V-rated all-season	
optional	245/45R-19 front / 275/40R-19 rear performance	

CHASSIS (cont.)

Stability-enhancement system

745i

745Li

Dynamic Stability Control, encompassing antilock braking, all-speed traction control, Dynamic Traction Control, cornering/avoidance-stability enhancement,, Dynamic Brake Control & electronic brake proportioning

PERFORMANCE DATA

Acceleration, 0-60 mph, sec.

5.9 ¹

Top speed, mph

150 (electronically limited) ¹

Fuel economy, EPA est. MPG,
city/highway

TBA ¹

TBA – To be announced.