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### 2006 BMW 3 SERIES SEDANS (U.S. models): Technical specifications

General	325i Sedan	330i Sedan
Curb weight, lb.:		
Manual transmission	3285	3417
Automatic transmission	3351	3450
Weight distribution, front/rear, %:		
Manual transmission	50.3/49.7	50.6/49.4
Automatic transmission	50.7/49.3	51.1/48.9
Wheelbase, in.	108.7 <sup>1</sup>	
Track, front/rear, in.		
(with standard wheels)	59.1/59.6 <sup>1</sup>	
Length, in.	178.2 <sup>1</sup>	
Width, in.	71.5 <sup>1</sup>	
Height, in.	55.9 <sup>1</sup>	

### Body

Type	4-door sedan <sup>1</sup>
Aerodynamic drag coefficient	0.30 <sup>1</sup>
EPA size classification	Compact <sup>1</sup>

1 – Specification applies to both models.

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<b>Accommodations</b>	<b>325i Sedan</b>	<b>330i Sedan</b>
Seating capacity, persons	5 <sup>1</sup>	
Shoulder room, front/rear, in.	55.4/55.1 <sup>1</sup>	
Head room, front/rear	37.4/37.1 <sup>1</sup>	
Leg room, front/rear	41.5/34.6 <sup>1</sup>	
EPA passenger compartment volume, cu ft.	93 <sup>1</sup>	
EPA cargo volume, cu ft.	12 <sup>1 2</sup>	
 <b>Engine &amp; electrical</b>		
Engine type	DOHC inline 24-valve 6-cylinder, magnesium/aluminum composite construction, Valvetronic variable valve lift & Double VANOS <sup>3</sup> steplessly variable valve timing <sup>1</sup>	
Bore x stroke, mm/in.	85.0 x 88.0/3.35 x 3.46 <sup>1</sup>	
Displacement, cc/cu in.	2996/183 <sup>1</sup>	
Compression ratio	10.7 <sup>1</sup>	
Power @ rpm, hp	215 @ 6250	255 @ 6600
Torque @ rpm, lb-ft.	185 @ 2750	220 @ 2750
Engine-management system	MSV70 with knock control (2 sensors); Valvetronic, variable valve timing, engine cooling & other functions included in control strategy <sup>1</sup>	
Induction system	Single-stage	3-stage

1 – Specification applies to both models.

2– Does not include compartment under trunk floor, which encloses about 1.8 cu ft.; also can be expanded via available folding rear seats.

3 – VANOS = **V**Ariable **N**Ockenwellen **S**teuerung = variable camshaft control, or variable valve timing.

**Engine & electrical (cont.)**

	<b>325i Sedan</b>	<b>330i Sedan</b>
Fuel requirement	Premium unleaded <sup>1</sup>	
Fuel capacity, U.S. gal.	15.9 <sup>1</sup>	
Battery capacity, amp-hr.	70 <sup>1</sup>	
Alternator output rating, amp./W	185/2590 <sup>1</sup>	

**Drivetrain**

Drive system	Front engine/rear-wheel drive <sup>1</sup>	
Manual transmission	Getrag I, 6-speed	Getrag H, 6-speed
Ratios:1st	4.32:1	4.35:1
2nd	2.46:1	2.50:1
3rd	1.66:1	1.66:1
4th	1.23:1	1.23:1
5th	1.00:1	1.00:1
6th	0.85:1	0.85:1
Final drive ratio	3.23:1	3.15:1
Automatic transmission	ZF 6 HP 19, 6-speed <sup>1</sup>	
Ratios: 1st	4.17:1 <sup>1</sup>	
2nd	2.34:1 <sup>1</sup>	
3rd	1.52:1 <sup>1</sup>	
4th	1.14:1 <sup>1</sup>	
5th	0.87:1 <sup>1</sup>	
6th	0.69:1 <sup>1</sup>	
Final drive ratio	3.73:1	3.64:1

1 – Specification applies to both models.

<b>Chassis</b>	<b>325i Sedan</b>	<b>330i Sedan</b>
Body/frame construction	Unitized steel <sup>1</sup>	
Front suspension	Aluminum system: struts, double-pivot lower arms, coil springs, twin-tube gas-pressure shock absorbers, tubular anti-roll bar, aluminum subframe (Sport Package: sport suspension calibration) <sup>1</sup>	
Rear suspension	5-link system, coil springs, twin-tube gas-pressure shock absorbers, tubular anti-roll bar (Sport Package: sport suspension calibration) <sup>1</sup>	
Rack-&-pinion power steering:		
Standard system	Engine-speed-sensitive power assist <sup>1</sup>	
Overall ratio	16.0 <sup>1</sup>	
Turns lock-to-lock	ND	
Optional Active Steering	Vehicle-speed-sensitive ratio & power assist <sup>1</sup>	
Overall ratio	Electrically/electronically variable over wide range of 10.8:1 – 18.0:1	
Turns lock-to-lock	ND	
Turning circle, ft.	36.1 <sup>1</sup>	
4-wheel ventilated disc brakes, vacuum-assisted:		
Front, diameter x thickness, mm/in.	300 x 24/ 11.8 x 0.94	330 x 24/ 13.0 x 0.94
Caliper material	Aluminum <sup>1</sup>	
Rear, diameter x thickness, mm/in.	300 x 20/ 11.8 x 0.79	336 x 22/ 13.2 x 0.87
Caliper material	Cast iron <sup>1</sup>	
Cast-alloy wheels: standard	16 x 7.0	17 x 8.0
optional	17 x 8.0 F/ 17 x 8.5 R	18 x 8.0 F/ 18 x 8.5 R

<b>Chassis (cont.)</b>	<b>325i Sedan</b>	<b>330i Sedan</b>
Run-flat tires: standard	205/55R-16	225/45R-17
optional (Sport Package)	H-rated all-season 225/45R-17 F / 255/40R-17 R V- rated performance	H-rated all-season 225/40R-18 F / 255/35R-18 R W- rated performance
Stability-enhancement system	Dynamic Stability Control, including Dynamic Traction Control, cornering/braking stability enhancement, antilock braking (ABS), electronic brake proportioning, Dynamic Brake Control, Fading Compensation, Brake Standby, Brake Drying, Soft Stop & Start-off Assistant) <sup>1</sup>	

**Performance data**

Acceleration, 0-60 mph, sec.<sup>4</sup>

Manual transmission	6.7	6.1
Automatic transmission	7.2	6.3

EPA estimated MPG, city/highway:

Manual transmission	ND	ND
Automatic transmission	ND	ND

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4 – BMW AG test results. Actual acceleration results may vary depending on specification of vehicle; road and environmental conditions; testing 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.

F – Front

R – Rear

ND – No data available