

IMMEDIATE

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2004 BMW 325Ci & 330Ci Models Specifications

Bold within table indicates new specification for 2004.

General	325Ci Coupe	325Ci Conv.	330Ci Coupe	330Ci Conv.
Curb weight, lb.:				
Manual transmission	3197	3560	3285	3616
Automatic transmission	3285	3627	3362	3704
Weight distribution, front/rear, %:				
Manual transmission	50.4/49.6	48.9/51.1	50.1/49.9	48.7/51.3
Automatic transmission	51.1/48.9	49.2/50.8	50.6/49.4	49.4/50.6
Wheelbase, in.	107.3 ¹			
Track, front/rear, in.	57.9/58.4 ^{1 2}			
Length, in.	176.7 ¹			
Height, in.	53.9	54.0 ³	53.9	54.0 ³
Body				
Type	Unitized all-steel structure ¹			
Aerodynamic drag coefficient	0.32	0.35 ³	0.32	0.35 ³
EPA size classification	Sub-compact	Mini-compact	Sub-compact	Mini-compact

¹ – Specification applies to all models.

² – With standard wheels.

³ – With softtop raised.

Accommodations	325Ci Coupe	325Ci Conv.	330Ci Coupe	330Ci Conv.
Seating capacity, persons	5	4	5	4
Shoulder room, front/rear, in.	54.5/52.7	54.5/45.9	54.5/52.7	54.5/45.9
Head room, front/rear, in.:				
without moonroof	37.5/36.5		37.5/36.5	
with moonroof	36.3/36.2		36.3/36.2	
with softtop raised		38.0/36.4		38.0/36.4
Leg room, front/rear, in.	41.7/33.2	41.7/32.0	41.7/33.2	41.7/33.2
EPA interior volume, cu ft.	84.4	80.0 ³	84.4	80.0 ³
EPA cargo volume, cu ft.	9.5 ⁴	7.7 ⁵	9.5 ⁴	7.7 ⁵

Engine & electrical

Engine type	DOHC inline 24-valve 6-cylinder, Double VANOS ⁶ steplessly variable valve timing ¹			
Bore x stroke, mm/in.	84.0 x 75.0/ 3.31 x 2.95 ⁷ 3.31 x 3.53 ⁸ 84.0 x 89.6/			
Displacement, cc/cu in.	2494/152 ⁷ 2979/182 ⁸			
Compression ratio	10.5:1 ⁷ 10.2:1 ⁸			
Power @ rpm, hp	184 @ 6000 ⁷ 225 @ 5900 ⁸			
Torque @ rpm, lb-ft.	175 @ 3500 ⁷ 214 @ 3500 ⁸			
Engine-management system	Siemens MS 43 with knock control (2 sensors), variable valve timing, electronic throttle system, dual resonance intake system, engine cooling & other functions included in control strategy ¹			
Fuel requirement	Premium unleaded ¹			
Fuel capacity, U.S. gal.	16.6 ¹			
Battery capacity, amp-hr.	80 ¹			
Alternator output rating, amp./W	120/1680 ¹			

⁴ – Can be expanded via folding rear seats.

⁵ – With softtop lowered. Volume with softtop raised & variable softtop compartment adjusted is approximately 15% greater.

⁶ – VANOS = **V**ARIABLE **N**OCKENWELLEN **S**TEUERUNG = variable camshaft control, or variable valve timing.

⁷ – Specification applies to both 325Ci models.

⁸ – Specification applies to both 330Ci models.

Drivetrain		325Ci Coupe	325Ci Conv.	330Ci Coupe	330Ci Conv.
Drive system		Front engine/rear-wheel drive ¹			
Manual transmission		Getrag Type B, 5-speed ⁷		ZF Type 6 , 6-speed ⁸	
Ratios:	1st	4.23:1 ⁷		4.35:1 ⁸	
	2nd	2.52:1 ⁷		2.50:1 ⁸	
	3rd	1.66:1 ⁷		1.66:1 ⁸	
	4th	1.22:1 ⁷		1.23:1 ⁸	
	5th	1.00:1 ⁷		1.00:1 ⁸	
	6th	–		0.85:1 ⁸	
	Reverse	4.04:1 ⁷		4.04:1 ⁸	
Final drive ratio		3.15:1	3.46:1	2.93:1	3.07:1
Automatic transmission		ZF 5 HP 19, 5-speed ¹			
Ratios:	1st	3.67:1 ¹			
	2nd	2.00:1 ¹			
	3rd	1.41:1 ¹			
	4th	1.00:1 ¹			
	5th	0.74:1 ¹			
	Reverse	4.10:1 ¹			
Final drive ratio		3.46:1 ⁷		3.38:1 ⁸	
Chassis					
Body/frame construction		Unitized steel ¹			
Front suspension		Struts, arc-shaped forged-aluminum lower arms with hydraulic cushion, coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar ¹ ; Coupes standard, Convertibles Sport Package: sport suspension calibration			
Rear suspension		Multi-link system with Central Links, upper & lower lateral links (upper links of cast aluminum), coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar ¹ ; Coupes standard, Convertibles Sport Package: sport suspension calibration			

Chassis (cont.)	325Ci Coupe	325Ci Conv.	330Ci Coupe	330Ci Conv.
Steering type	Rack & pinion, engine-speed-sensitive power assist ¹			
Overall ratio	13.7:1 ¹			
Turns lock-to-lock	3.0 ¹			
Turning circle, ft.	34.4 ¹			
4-wheel ventilated disc brakes:				
Diameter, front, mm/in.	300/11.8 ⁷		325/12.8 ⁸	
Diameter, rear, mm/in.	294/11.6 ⁷		320/12.6 ⁸	
Wheels (standard)	Cast alloy, 16 x 7.0 ⁷		Cast alloy, 17 x 7.0 ⁸	
Wheels (optional)	Cast alloy, 17 x 8.0 (ZSP)		Cast alloy, 17 x 7.5 front/ 17 x 8.5 rear (ZSP) ⁸ Cast alloy, 18 x 8.0 front/ 18 x 8.5 rear (ZSP + option) ⁸	
Tires (standard)	All-season, 205/55R-16 H-rated ⁷		All-season, 205/50R-17 V-rated ⁸	
Tires (optional)	Performance, Run-flat, 205/50R-17 245/45R-17 W-rated ⁷		V-rated (run-flat option) ⁸ Performance, 225/45ZR-17 front/ 245/40ZR-17 rear (ZSP) ⁸ Performance, 225/40ZR-18 front/ 255/35ZR-18 rear (ZSP + option) ⁸	
Stability-enhancement system	Dynamic Stability Control (DSC), included Dynamic Traction Control, electronic brake proportioning, antilock braking (ABS), Dynamic Brake Control & cornering/braking stability enhancement ¹			

Performance data	325Ci Coupe	325Ci Conv.	330Ci Coupe	330Ci Conv.
Acceleration, 0-60 mph, sec., manual/automatic	7.1/8.1	7.7/8.9	6.4/7.0	6.9/7.5
Top speed, mph	128 ^{1 9}			
Fuel economy, EPA est. MPG, city/highway ¹⁰ :				
Manual transmission	20/29	19/26	21/30	20/28
Automatic transmission	19/28	19/26	20/28	19/27

⁹ – Electronically limited.

¹⁰ – Preliminary data.