



## 2008 Mercedes-Benz C-Class Preliminary Technical Data

	C300 Luxury	C300 Sport	C350 Sport
Vehicle type	Four-door, five passenger sedan		
Body	Steel unit body; aluminum front fenders, doors hood and trunk lid		
Aerodynamic drag (Cd)	0.29		0.30
Frontal area (m2)	2.17		2.18
Engine	90-degree V6		
Material	Aluminum block and cylinder heads; iron cylinder liners		
Valve design	Four valves per cylinder		
Valvetrain	Double overhead camshaft per cylinder bank; Duplex chain driven; variable valve timing		
Intake System	Two-stage intake manifold, tumble flaps		
Fuel System	Sequential multi-point electronic fuel injection		
Ignition System	One centrally mounted spark plug and ignition coil per cylinder		
Emission controls	Internal EGR, secondary air injection, Two three-way catalytic converters with linear oxygen sensors		
Displacement (cu. In./cc)	182.7 / 2996		213.5 / 3498
Bore (in./mm)	3.46 / 88.0		3.66 / 92.9
Stroke (in./mm)	3.23 / 82.1		3.39 / 86.0
Compression ratio	11.1 : 1		10.7 : 1
Horsepower (SAE @ rpm)	228 @ 6,000		268 @ 6,000
Torque (lb.-ft. @ rpm)	221 @ 2,700 – 5,000		258 @ 2,400 – 5,000
Max. engine speed	6,500		6,700
Automatic Transmission	Seven-speed, adaptive shift logic and Touch Shift		
Manual Transmission	Six-Speed (RWD C300 Sport only)		--
Gear Ratios:	<b>Manual:</b>	<b>Automatic:</b>	<b>Automatic:</b>
1 <sup>st</sup>	5.10	4.38	4.38
2 <sup>nd</sup>	2.78	2.86	2.86
3 <sup>rd</sup>	1.75	1.92	1.92
4 <sup>th</sup>	1.25	1.37	1.37
5 <sup>th</sup>	1.00	1.00	1.00
6 <sup>th</sup>	0.81	0.82	0.82
7 <sup>th</sup>	--	0.73	0.73
Reverse	4.63	3.42	3.42
R2	--	2.23	2.23
Final drive	3.27	3.07	2.82
Traction System	Full-range ASR		
Stability System	ESP Electronic Stability Program		
Suspension	Four-wheel independent (Sport models: sport shocks and springs)		
Front	Coil-spring strut with two-piece control arm; gas shocks, stabilizer bar		
Rear	Five-link with coil springs; gas shocks, stabilizer bar		
Steering	Power-assisted rack-and-pinion		
Overall ratio	14.5 : 1		
Turns, lock-to-lock	2.5		

Note: Preliminary data for U.S. models.



Turning circle (ft.)	35.6		
	<b>C300 Luxury</b>	<b>C300 Sport</b>	<b>C350 Sport</b>
<b>Brakes</b>	<b>Power-assisted four-wheel vented discs (four-channel ABS and Brake Assist)</b>		
Front discs: Diameter Thickness Calipers	11.6 in. (295 mm) 1.26 in. (32 mm) Aluminum floating, single-piston		12.7 in. (322 mm) 1.26 in. (32 mm) Aluminum floating, single-piston
Rear discs: Diameter Thickness Calipers	11.8 in. (300 mm) 0.86 in. (22 mm) Cast iron floating, single-piston		
Alloy Wheels: Luxury Sport Optional	7.5 x 17 7.5 x 17 front, 8.5 x 17 rear 8.0 x 18 front, 8.5 x 18 rear		
Tires: Luxury Sport Optional	225 / 45 HR 17 225 / 45 HR 17 front, 245/40 HR 17 rear 225 / 40 ZR 18 front, 255/35 ZR 18 rear		
<b>Exterior Dim. (in. / mm)</b>			
Wheelbase	108.7 / 2,760		
Front Track	60.7 / 1,541	60.4 / 1,533	60.4 / 1,533
Rear Track	60.8 / 1,544	59.6 / 1,514	59.6 / 1,514
Length	182.3 / 4,630		
Width (mirrors folded in) (mirrors folded out)	69.7 / 1,770 79.5 / 2,020		
Height	56.9 / 1,444	56.3 / 1,429	56.3 / 1,429
Curb weight (lbs.)	3,421 / 1,555		3,498 / 1,590
Weight distribution	52:48		
Ground clearance: Sport Luxury	TBD TBD		
<b>Interior Dimensions</b>			
Legroom: Front Rear	41.7 / 1,059 33.4 / 848		
Headroom: Front Rear	37.1 / 942 36.9 / 938		
Elbow room: Front Rear	56.7 / 1440 57.5 / 1462		
Shoulder room: Front Rear	54.7 / 1390 55.0 / 1398		
Hip room: Front Rear	52.3 / 1328 54.9 / 1394		
<b>Capacities</b>			
Cabin volume (cu. Ft.)	TBD		
Trunk volume (cu. Ft.)	16.8		
Fuel Tank (gal./l.)	17.4 / 66		
<b>Performance</b>			
0-60 mph (seconds)	7.1*	7.1*	6.1 *
Top Speed:	130 (electronically limited)		
EPA Fuel mileage: (city / highway mpg)	21 / 28 *	TBD	20 / 29 *

AUTO SPIES



\* preliminary

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