

2012 Mercedes-Benz C-Class Technical Data

	C250 Sedan	C300 4MATIC Sedan	C350 Sedan	C63 AMG Sedan
Vehicle type	Four-door, five-passenger sedan	Four-door, five-passenger sedan	Four-door, five-passenger sedan	Four-door, five-passenger sedan
Chassis	Steel unibody	Steel unibody	Steel unibody	Steel unibody
Engine	Inline 4 Turbo	90-degree V6	90-degree V6	90-degree V8
Valve arrangement	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder
Valvetrain	Double overhead camshaft; duplex chain-driven; variable valve timing	Double overhead camshaft per cylinder bank; duplex chain-driven; variable valve timing	Double overhead camshaft per cylinder bank; duplex chain-driven; variable valve timing	Double overhead camshaft per cylinder bank; duplex chain-driven; variable valve timing
Displacement (cc)	1,796	2,996	3,498	6,208
Bore (in.)	3.23	3.46 / 86.0	3.66	4.02 / 102.2
Stroke (in.)	3.35	3.23 / 82.1	3.39	3.72 / 94.6
Compression ratio	9.3:1	11.3:1	12.2:1	11.3:1
Horsepower @ rpm	201 @ 5,500	228 @ 6,000	302 @ 6,500	451 @ 6,500 (481)*
Torque (lb-ft.) @ rpm	229 @ 2,200 – 4,300	221 @ 2,700 – 5,000	273 @ 3,500 – 5,250	443 @ 5,000
Intake system	Magnesium two-stage resonance intake manifold	Magnesium two-stage resonance intake manifold	Magnesium two-stage resonance intake manifold	Magnesium two-stage resonance intake manifold
Max. engine speed (rpm)	6,450	6,500	6,750	7,200
Transmission	Seven-speed	Seven-speed	Seven-speed	AMG

		automatic	automatic	automatic	SPEEDSHIFT PLUS Seven-speed multiclutch automatic
Shift controls		Touch Shift manual shift control	Touch Shift manual shift control	Touch Shift manual shift control	Touch Shift manual shift control w/ Shift Paddles
Gear ratios		Automatic	Automatic	Automatic	Automatic
	1	4.38:1	4.38:1	4.38:1	4.38:1
	2	2.86:1	2.86:1	2.86:1	2.86:1
	3	1.92:1	1.92:1	1.92:1	1.92:1
	4	1.37:1	1.37:1	1.37:1	1.37:1
	5	1.00:1	1.00:1	1.00:1	1.00:1
	6	0.82:1	0.82:1	0.82:1	0.82:1
	7	0.73:1	0.73:1	0.73:1	0.73:1
	R	- 3.42:1	- 3.42:1	- 3.42:1	- 3.42:1
	R2 “comfort mode”	- 2.23:1	- 2.23:1	- 2.23:1	-
Final drive		3.07:1	3.27:1	2.82:1	2.85:1
Stability control					
		ESP stability control	ESP stability control	ESP stability control	AMG 3-Stage ESP System
Suspension		Four-wheel independent; coil springs, gas shocks, stabilizer bars	Four-wheel independent; coil springs, gas shocks, stabilizer bars	Four-wheel independent; coil springs, gas shocks, stabilizer bars	Four-wheel independent; AMG springs and gas shocks, stabilizer bars
	front	Strut with two-piece control arm, antidive geometry	Strut with two-piece control arm, antidive geometry	Strut with two-piece control arm, antidive geometry	Strut with two-piece control arm, antidive geometry
	rear	Five-arm multilink, anti-squat geometry	Five-arm multilink, anti-squat geometry	Five-arm multilink, anti-squat geometry	Five-arm multilink, anti-squat geometry
Steering		Rack-and-pinion, speed-sensitive hydraulic power	Rack-and-pinion, speed-sensitive	Rack-and-pinion, speed-sensitive	Rack-and-pinion, speed-sensitive

		assist with variable centering	hydraulic power assist with variable centering	hydraulic power assist with variable centering	hydraulic power assist with variable centering
Turning radius (ft.)		35.3	35.3	35.3	38.5
Wheels (in.)	front	7.5 × 17	7.5 × 17	7.5 × 17	8.5 × 18
	rear	8.5 × 17	8.5 × 17	8.5 × 17	9 × 18
Tires	front	225 / 45 R 17	225 / 45 R 17	225 / 45 R 17	235 / 40 R 18
	rear	245 / 40 R 17	245 / 40 R 17	245 / 40 R 17	255 / 35 R 18
Brakes		Power assisted 4-wheel vented discs with ABS anti-lock; Brake Assist	Power assisted 4-wheel vented discs with ABS anti-lock; Brake Assist	Power assisted 4-wheel vented discs with ABS anti-lock; Brake Assist	Power assisted 4-wheel vented discs with ABS anti-lock; Brake Assist
Disc diameter (in./mm)	front	11.6	11.6 / 295	13.4 / 340	14.2 / 360
	rear	11.8	11.8 / 300	11.8 / 300	13.0 / 330
Disc thickness (in./mm)	front	1.1	1.26 / 32	1.26 / 32	1.4 / 36
	rear	0.39	0.86 / 22	0.86 / 22	1.0 / 26
Exterior dimensions (in. / mm)					
Wheelbase		108.7	108.7	108.7	108.7
Length		180.75	180.75	180.75	186
Width		69.7	69.7	69.7	70.7
Height		56.3	56.3 / 1,429 (Luxury 56.9 / 1,444)	56.3 / 1,429	56.3
Ground clearance (in.)		4.1	4.1	4.1	TBD
Track	front	60.4 / 1,533	60.4 / 1,533	60.4 / 1,533	61.8
	rear	59.6 / 1,514	59.6 / 1,514	59.6 / 1,514	60.00
Interior dimensions (in.)					
Head room (w/sunroof)	front	37.1 / 942	37.1 / 942	37.1 / 942	37.1 / 942
	2nd row/3rd row	36.9 / 938	36.9 / 938	36.9 / 938	36.9 / 938

Leg room	front	41.7 / 1,059	41.7 / 1,059	41.7 / 1,059	41.7 / 1,059
	2nd row/3rd row	33.4 / 848	33.4 / 848	33.4 / 848	33.4 / 848
Shoulder room	front	54.7 / 1,390	54.7 / 1,390	54.7 / 1,390	54.7 / 1,390
	2nd row	55.0 / 1,398	55.0 / 1,398	55.0 / 1,398	55.0 / 1,398
Cargo Length	Back row up	—	—	—	—
	Back	—	—	—	—
Capacities					
Cabin volume (cu. ft.)		88.2	88.2	88.2	88.2
Cargo volume	seats up	12.4	12.4	12.4	12.4
	Back row down				
Curb weight (lbs.)		3319.0	3737.0	3615.0	3649.0
Towing (lbs.)		—	—	—	—
Max. total payload		—	—	—	—
Fuel tank/reserve (gallons)		17.4 / 2.1	17.4 / 2.1	17.4 / 2.1	17.4 / 2.1
Performance					
0-60 (seconds)		7.1 (est.)	7.1	5.9 (est)	4.4 (4.3)*
Top speed (mph)		130	130	130	155 (174)*
Fuel mileage, city/hwy		30 hwy / 24 comb. (est.)	20 combined (est.)	21 combined (est.)	16 combined (est)
* = w/AMG Development Package					
Note: Technical specifications are subject to change.					
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