

# 2010 Mercedes-Benz E-Class Technical Data

	<b>E350 Coupe</b>	<b>E550 Coupe</b>	<b>E350 Sedan</b>	<b>E550 Sedan</b>	<b>E63 AMG</b>
<b>Vehicle type</b>	Four-passenger pillarless hardtop coupe	Four-passenger pillarless hardtop coupe	Four-door, five-passenger sedan	Four-door, five-passenger sedan	Four-door, five-passenger sedan
<b>Chassis</b>	Steel unibody	Steel unibody	Steel unibody	Steel unibody	Steel unibody
<b>Internal Combustion Engine</b>	90-degree V6	90-degree V8	90-degree V6	90-degree V8	90-degree V8
Engine material	Aluminum block and heads	Aluminum block and heads	Aluminum block and heads	Aluminum block and heads	Aluminum block and heads
Valve arrangement	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder
Valvetrain	DOHC per cylinder	DOHC per cylinder	Double overhead camshaft, duplex chain-driven	Double overhead camshaft, duplex chain-driven	DOHC, duplex chain; variable valve timing
Displacement (cc)	213.5 / 3,498	332.2 / 5,461	3,498	5,461	6,208
Bore (in./mm)	3.81 / 96.9	3.86 / 98.0	3.65 / 92.6	3.86 / 98.0	4.02/102.2
Stroke (in./mm)	3.39 / 86.0	3.56 / 90.5	3.39 / 86.0	3.56 / 90.5	3.72 / 94.6
Compression ratio	10.7:1	10.7:1	10.7:1	10.7:1	11.3:1
Horsepower @ rpm	268 @ 6,000	382 @ 6,000	268 @ 6,000	382 @ 6,000	518 @ 6,800
Torque (lb-ft.) @ rpm	258 @ 2,400 - 5,000	391 @ 2,800 - 4,800	258 @ 2,400 - 5,000	391 @ 2,800 - 4,800	465 @ 5,200
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	Two-stage resonance intake manifold

Max. engine speed (rpm)	6,000	6,500	6,000	6,500	7,200
<b>Transmission</b>	Seven-speed automatic	Seven-speed automatic	Seven-speed automatic	Seven-speed automatic	Seven-speed AMG multi-clutch transmission
Shift controls	Touch Shift manual shift control	Touch Shift manual shift control	Direct Select	Direct Select	AMG Drive Unit
Gear ratios			Automatic	Automatic	Automatic
1	4.377	4.377	4.38	4.38	4.38:1
2	2.859	2.859	2.86	2.86	2.86:1
3	1.921	1.921	1.92	1.92	1.92:1
4	1.368	1.368	1.37	1.37	1.37:1
5	1.00	1.00	1.00	1.00	1.00:1
6	0.82	0.82	0.82	0.82	0.82:1
7	0.728	0.728	0.73	0.73	0.73:1
R	-3.416	-3.416	-3.42	-3.42	-3.42:1
R2 "comfort mode"	-2.231	- 2.23:1	-2.23	-2.23	-
Final drive	2.82	2.65	3.07	2.47	3.06:1 (LSD with P30 Pkg)
<b>Stability control</b>	ESP stability control	ESP stability control	ESP stability control	ESP stability control	AMG 3-Stage ESP stability control
<b>Traction control</b>	ASR traction control	ASR traction control	ASR traction control	ASR traction control	ASR traction control
<b>Suspension</b>	Four-wheel independent; coil springs, gas shocks, stabilizer bars	Four-wheel independent; coil springs, gas shocks, stabilizer bars	Four-wheel independent; coil springs, stabilizer bars	Four-wheel independent with AIRMATIC	AMG Ride Control with electronic damping

	front	Strut with two-piece control arm, antidive geometry; coil springs, gas shock absorbers, stabilizer bar	Strut with two-piece control arm, antidive geometry; coil springs, gas shock absorbers, stabilizer bar	Independent wheel suspension, coiled spring, torsion bar, 3-link wheel control/axle location	Independent wheel suspension, 3-link, damper with damping valve shock absorber, torsion bar, air spring	Independent wheel suspension, coiled spring, torsion bar, 3-link wheel control/axle location
	rear	Five-arm multilink, anti-squat geometry; coil springs, gas shock absorbers, stabilizer bar	Five-arm multilink, anti-squat geometry; coil springs, gas shock absorbers, stabilizer bar	Independent wheel suspension, coiled spring, tubular torsion bar, multi-link steering	Independent wheel suspension, multi-link steering, air spring, damper with damping valve, torsion bar	AMG Airsprings
<b>Steering</b>		Speed-sensitive power-assisted rack-and-pinion	Speed-sensitive power-assisted rack-and-pinion	Rack-and-pinion, speed sensitive hydraulic power steering	Rack-and-pinion, speed sensitive hydraulic power steering	Rack-and-pinion, speed sensitive hydraulic power steering
Turns, lock-to-lock		3	3	TBD	TBD	TBD
Steering ratio		14.7:1	14.7:1	17:1	17:1	14:1
Turning radius (ft.)		35.3	35.3	36.2	36.2	37.2
Wheels (in.)	front	7.5 x 17	7.5 x 18	8.0 x 17 (Sport: 8.5 x 18)	8.0 x 17 (Sport: 8.5 x 18)	9 x 18 (9 x 19 w/P30 pkg)
	rear	8.5 x 17	8.5 x 18	8.0 x 17 (Sport: 9.0 x 18)	8.0 x 17 (Sport: 9.0 x 18)	9.5 x 18 (9.5 x 19 w/P30 pkg)
Tires	front	235 / 45 R 17	235 / 40 R 18	245/45 R17 (Sport: 245 / 40 R18)	245/45 R17 (Sport: 245 / 40 R18)	255 / 40 R 18 (255/35 R19 w/ P30 pkg)
	rear	255 / 40 R 17	255 / 35 R 18	245/45 R17 (Sport: 265 / 35 R18)	245/45 R17 (Sport: 265 / 35 R18)	285 / 35 R 18 (285/30 R19 w/ P30 pkg)
Brakes		Dual-circuit, power assisted four-wheel discs with ABS anti-lock and emergency-sensing Brake Assist	Dual-circuit, power assisted four-wheel discs with ABS anti-lock and emergency-sensing Brake Assist	Dual-circuit, power assisted four-wheel discs with ABS anti-lock and emergency-sensing Brake Assist	Dual-circuit, power assisted four-wheel discs with ABS anti-lock and emergency-sensing Brake Assist	Dual-circuit, power assisted four-wheel discs with ABS emergency-sensing Brake Assist
Disc diameter	front	12.7 / 322	13.5 / 344	12.7 / 322 (Sport: 13.5 / 344)	13.5 / 344	14.2 / 360 (2-piece, perforated,

(in./mm)						venitlated)
	rear	11.8 / 300	11.8 / 300	11.8 / 300	12.6 / 320	14.2 / 360 (perforated, venitlated)
Disc thickness (in./mm)	front	1.3 / 32	1.3 / 32	1.3 / 32	1.3 / 32	1.4 / 36
	rear	0.9 / 22	0.9 / 22	0.9 / 22	0.9 / 24	1.0 / 26
<b>Exterior dimensions (in. / mm)</b>						
Wheelbase		106.9	106.9	113.1 / 2874	113.1 / 2874	113.2 / 2,874
Length		184.96 / 4,698	184.96 / 4,698	191.7 / 4868	191.7 / 4868	192.6 / 4,891
Width (mirrors folded)		1,869	1,869	75.9 / 1927	75.9 / 1927	75.9
Height		54.01 / 1,372	54.01 / 1,372	57.7 / 1,467 (Sport: 57. 2 / 1,452)	57.7 / 1,467 (Sport: 57. 2 / 1,452)	56.8
Ground clearance (in.)		3.0 / 75	3.0 / 75	4.1 / 104	4.1 / 104	4.5 / 114
Track	front	60.5 / 1538	60.5 / 1538	62.2 / 1580	62.2 / 1580	66.18 / 1,681
	rear	60.8 / 1544	60.8 / 1544	63.0 / 1599	62.5 / 1587	62.8 / 1,594
Curb weight (lbs.)		3,585	3,720	3,825 (4MATIC: 3,979)	4,034 (4MATIC: 4,145)	4,058 (est)
Aerodynamic drag (Cd)		0.28	0.28	0.28	0.28	TBD
Frontal area (sq. ft.)		TBD	TBD	25.1	25.1	TBD
<b>Interior dimensions (in.)</b>						
Head room (w/sunroof)	front	40.2	40.2	37.9 / 963	37.9 / 963	37.9
	2nd row 3rd row	35.8 / 908	35.8 / 908	38.2 / 969	38.2 / 969	38.2
Leg room	front	42	42	41.3	41.3	41.3

	2nd row 3rd row	33	33	35.8	35.8	35.8
Shoulder room	front	54.1 / 1374	54.1 / 1374	57.8 / 1467	57.8 / 1467	57.8
	2nd row 3rd row	48.9 / 1243	48.9 / 1243	56.9 / 1446	56.9 / 1446	56.9
Cargo Length	Back row up	40.35 / 1025	40.35 / 1025	37.8 / 960	37.8 / 960	37.8
	Back row down 2nd and Back row down	--	--	--	--	--
Cargo floor width (narrowest)		37.8 / 960	37.8 / 960	39.37 / 1000	39.37 / 1000	39.37
<b>Capacities</b>						
Cabin volume (cu. ft.)				TBD	TBD	TBD
Cargo volume	Back row up	15.89	15.89	15.9	15.9	15.9
	Back row down	--	--	--	--	TBD
Gross vehicle weight rating (lbs.)		4,431.29 - 4,585.61	4,431.29 - 4,585.61	TBD	TBD	5,271
Towing (lbs.)		TBD	TBD	1654.2	1654.2	TBD
Max. total payload		TBD	TBD	TBD	TBD	1,213

Fuel tank/reserve (gallons)	17.4 / 4.6	17.4 / 4.6	21.1 / 2.4	21.1 / 2.4	21.1 / 3.7
AdBlue tank (gallons)	N/A	N/A	N/A	N/A	N/A
<b>Performance</b>					
0-60 (seconds)	6.2	5.0	6.5	5.2	4.4
Top speed (mph)	130	130	130	130	155 (186 w/ P30 pkg)
Fuel mileage, city/hwy	17 / 26	15 / 23	18/26	16/24	13 / 20 (est)
Note: Technical specifications are subject to change.					