

2011 Mercedes-Benz E-Class Sedan Technical Data

	E350 BlueTEC	E350 Sedan	E350 4MATIC Wagon	E550 Sedan	E63 AMG
Vehicle type	Four-door, five-passenger sedan	Four-door, five-passenger sedan	Four-door, seven-passenger wagon	Four-door, five-passenger sedan	Four-door, five-passenger sedan
Chassis	Steel unibody	Steel unibody	Steel unibody	Steel unibody	Steel unibody
Internal Combustion Engine	72-degree V6	90-degree V6	90-degree V6	90-degree V8	90-degree V8
Valve arrangement	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder	Four valves per cylinder
Valvetrain	Double overhead camshaft per cylinder bank; duplex chain-driven	Double overhead camshaft, duplex chain-driven	Double overhead camshaft, duplex chain-driven	Double overhead camshaft, duplex chain-driven	DOHC, duplex chain; variable valve timing
Displacement (cc)	182.0 / 2,987	3,498	3,498	5,461	6,208
Bore (in./mm)	3.27 / 83.0	3.65 / 92.6	3.65 / 92.6	3.86 / 98.0	4.02/102.2
Stroke (in./mm)	3.62 / 92.0	3.39 / 86.0	3.39 / 86.0	3.56 / 90.5	3.72 / 94.6
Compression ratio	16.5:1	10.7:1	10.7:1	10.7:1	11.3:1
Horsepower @ rpm	210 @ 3,800	268 @ 6,000	268 @ 6,000	382 @ 6,000	518 @ 6,800
Torque (lb-ft.) @ rpm	400 @ 1,600 - 2,400	258 @ 2,400 - 5,000	258 @ 2,400 - 5,000	391 @ 2,800 - 4,800	465 @ 5,200
Intake system	Turbocharger and intercooler; piezoelectric injectors	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)	4,500	6,500	6,500	6,500	7,200
Transmission	Seven-speed automatic	Seven-speed automatic	Seven-speed automatic	Seven-speed automatic	Seven-speed AMG multi-clutch transmission
Shift controls	Direct Select	Direct Select	Direct Select	Direct Select	AMG Drive Unit
Gear ratios	Automatic	Automatic	Automatic	Automatic	Automatic
1	4.38	4.38	4.38	4.38	4.38:1
2	2.86	2.86	2.86	2.86	2.86:1
3	1.92	1.92	1.92	1.92	1.92:1
4	1.37	1.37	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	0.73	0.73	0.73	0.73	0.73:1
R	-3.42	-3.42	-3.42	-3.42	-3.42:1
R2 "comfort mode"	-2.23	-2.23	-2.23	-2.23	-
Final drive	3.07	3.07	3.07	2.47	3.06:1 (LSD with P30 Pkg)
Stability control	ESP stability control	ESP stability control	ESP stability control	ESP stability control	AMG 3-Stage ESP stability control
Suspension	Four-wheel independent; coil springs, stabilizer bars	Four-wheel independent; coil springs, stabilizer bars	Four-wheel independent; front coil springs, stabilizer bars, rear airsprings	Four-wheel independent with AIRMATIC	AMG Ride Control with electronic damping

	front	Independent wheel suspension, coiled spring, torsion bar, 3-link wheel control/axle location	Independent wheel suspension, coiled spring, torsion bar, 3-link wheel control/axle location	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	Independent wheel suspension, coiled spring, tubular torsion bar, multi-link steering	Independent wheel suspension, coiled spring, tubular torsion bar, multi-link steering	AIRMATIC Airsprings	Independent wheel suspension, multi-link steering, air spring, damper with damping valve, torsion bar	AMG Airsprings
Steering		Rack-and-pinion, speed sensitive hydraulic power steering	Rack-and-pinion, speed sensitive hydraulic power steering	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		TBD	TBD	TBD	TBD	TBD
Steering ratio		17:1	17:1	TBD	17:1	14:1
Turning radius (ft.)		36.2	36.2	TBD	36.2	37.2
Wheels (in.)	front	8.0 x 17 (Sport: 8.0 x 17)	8.0 x 17 (Sport: 8.5 x 18)	8.0 x 17	8.0 x 17 (Sport: 8.5 x 18)	9 x 18 (9 x 19 w/P30 pkg)
	rear	8.0 x 17 (Sport: 8.0 x 17)	8.0 x 17 (Sport: 9.0 x 18)	8.0 x 17	8.0 x 17 (Sport: 9.0 x 18)	9.5 x 18 (9.5 x 19 w/P30 pkg)
Tires	front	245/45 R 17 all-season	245/45 R17 (Sport: 245 / 40 R18)	245/45 R17	245/45 R17 (Sport: 245 / 40 R18)	255 / 40 R 18 (255/35 R19 w/ P30 pkg)
	rear	245/45 R 17 all-season	245/45 R17 (Sport: 265 / 35 R18)	245/45 R17	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	Dual-circuit, power assisted four-wheel discs with ABS anti-lock	Dual-circuit, power assisted four-wheel discs with ABS anti-lock	Dual-circuit, power assisted four-wheel discs with ABS anti-lock	Dual-circuit, power assisted four-wheel discs with ABS

		and emergency-sensing Brake Assist	and emergency-sensing Brake Assist	and emergency-sensing Brake Assist	and emergency-sensing Brake Assist	emergency-sensing Brake Assist
Disc diameter (in./mm)	front	12.7 / 322 (Sport: 13.5 / 344)	12.7 / 322 (Sport: 13.5 / 344)	12.7 / 322 (Sport: 13.5 / 344)	13.5 / 344	14.2 / 360 (2-piece, perforated, ventilated)
	rear	11.8 / 300	11.8 / 300	11.8 / 300	12.6 / 320	14.2 / 360 (perforated, ventilated)

Exterior dimensions (in. / mm)

Wheelbase		113.1 / 2874	113.1 / 2874	113.5 / 2874	113.1 / 2874	113.2 / 2,874
Length		191.7 / 4868	191.7 / 4868	192.7	191.7 / 4868	192.6 / 4,891
Width (mirrors folded)		75.9 / 1927	75.9 / 1927	75.9 / 1928	75.9 / 1927	75.9
Height		57.7 / 1,467 (Sport: 57.2 / 1,452)	57.7 / 1,467 (Sport: 57.2 / 1,452)	58.9	57.7 / 1,467 (Sport: 57.2 / 1,452)	56.8
Ground clearance (in.)		4.1 / 104	4.1 / 104	4.1 / 105	4.1 / 104	4.5 / 114
Track	front	62.2 / 1580	62.2 / 1580	62.2 / 1580	62.2 / 1580	64.4
	rear	63.0 / 1599	63.0 / 1599	63.0 / 1599	63.0 / 1599	62.8 / 1,594

Interior dimensions (in.)

Head room (w/sunroof)	front	37.9 / 963	37.9 / 963	38.3	37.9 / 963	37.9
	2nd row 3rd row	38.2 / 969	38.2 / 969	39.8	38.2 / 969	38.2
Leg room	front	41.3	41.3	41.3	41.3	41.3
	2nd row	35.8	35.8	35.8	35.8	35.8

	3rd row					
Shoulder room	front	57.8 / 1467	57.8 / 1467	57.8	57.8 / 1467	57.8
	2nd row 3rd row	56.9 / 1446	56.9 / 1446	56.9	56.9 / 1446	56.9
Cargo Length	Back row up	37.8 / 960	37.8 / 960	47	37.8 / 960	37.8
	Back / 2nd row down	--	--	79	--	--
Cargo floor width (narrowest)		39.37 / 1000	39.37 / 1000	43	39.37 / 1000	39.37

Capacities

Cabin volume (cu. ft.)		TBD	TBD	TBD	TBD	TBD
Cargo volume	Back row up	15.9	15.9	34.8	15.9	15.9
	Back row down	--	--	68.9	--	TBD
Curb weight (lbs.)		4,255	3,891 (4MATIC: 4,068)	4,354	4,145 (4MATIC: 4,233)	4,156
Gross vehicle weight rating (lbs.)		TBD	TBD	TBD	TBD	5,271
Towing (lbs.)		1654.2	1654.2	TBD	1654.2	TBD
Max. total payload		TBD	TBD	TBD	TBD	1,213

Fuel tank/reserve (gallons)	21.1 / 2.4	21.1 / 2.4	21.1 / 2.4	21.1 / 2.4	21.1 / 3.7
Performance					
0-60 (seconds)	6.6	6.5	TBD	5.2	4.4
Top speed (mph)	130	130	130	130	155 (186 w/ P30 pkg)
Fuel mileage, city/hwy/comb	21 / 32 / 25	20 / 30 / 23 (4MATIC: 19 / 28 / 22)	19 / 27 / 22	16 / 26 / 20	16 / 24 / 19 (Wagon: 15 / 23 / 18)
Note: Technical specifications are subject to change.					