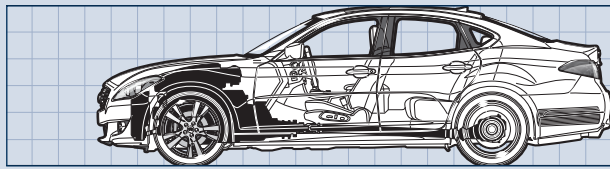


Infiniti M56

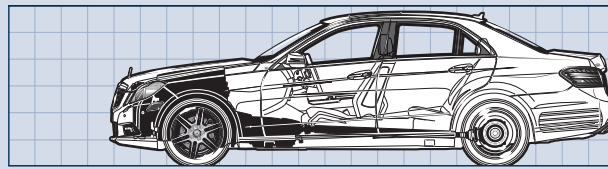
Infiniti, a division of Nissan North America, 333 Commerce St., Nashville, Tenn. 37201-1800; www.infiniti.com



SCALE: 10 IN. (254MM) DIVISIONS • DRAWINGS BY TIM BARKER

Mercedes-Benz E550

Mercedes-Benz USA, One Mercedes Dr., Montvale, N.J. 07645-1815; www.mbusa.com



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Infiniti M56

Mercedes-Benz E550

GENERAL DATA

List price	\$57,900	\$56,300
Price as tested	\$68,145	\$69,625
Price as tested incl std equip. (ABS, dual front, side & side curtain airbags, traction & yaw control, leather, nav system; pwr windows, seats, mirrors & door locks), Sport Pkg (20-in. wheels w/ summer perf. tires, sport susp, 4-wheel steering, sport seats & steering wheel) \$3650, Technology Pkg (Eco Pedal, Intelligent Cruise, Blind Spot Warning, Active Trace Cntrl) \$3000, Sport Touring Pkg (Forest Air, Bose audio, pwr rear sunshade) \$2000, misc options (\$720), dest charge (\$875).	Price as tested incl std equip. (ABS, dual front, side & side curtain airbags, traction & yaw control, cruise control, leather, Airmatic suspension; pwr windows, seats, mirrors & door locks, no-cost Sport Pkg w/ 18-in. AMG wheels & all-season tires), PO2 Premium Pkg (hard drive nav system, harman/kardon audio, heated/vented front seats, keyless ignition, Adaptive Highbeam Assist) \$6800, Driver Assistance Pkg (Distronic Plus, Lane Keeping Assist, Blind Spot Assist) \$2900, misc options (\$2750), dest charge (\$875).	
Curb weight	3930 lb	4150 lb
Test weight	4095 lb	4315 lb
Weight dist (w/ driver), f/r, %	52/48	51/49
Wheelbase	114.2 in.	113.1 in.
Track, f/r	62.0 in./61.8 in.	62.2 in./62.5 in.
Length	194.7 in.	191.7 in.
Width	72.6 in.	75.9 in.
Height	59.1 in.	57.2 in.

ENGINE

Type	dohc 4-valve/cyl V-8	dohc 4-valve/cyl V-8
Displacement	5552 cc	5461 cc
Bore x stroke	98.0 x 92.0 mm	98.0 x 90.5 mm
Compression ratio	11.5:1	10.7:1
Horsepower (SAE)	420 bhp @ 6000 rpm	382 bhp @ 6000 rpm
Torque	417 lb-ft @ 4400 rpm	391 lb-ft @ 2800-4800 rpm
Redline/limiter	6700/6700 rpm	6500/6500 rpm
Fuel injection	direct	elect. sequential port
Rec fuel	premium	premium

CHASSIS & BODY

Layout	front engine/rear drive	front engine/rear drive
Body/frame	unit steel w/ alum. doors, hood	unit steel
Brakes, front	14.0-in. vented discs/4-piston, fixed calipers	13.5-in. vented & drilled discs/4-piston fixed calipers
rear	13.8-in. vented discs/2-piston fixed calipers; vac assist, ABS	12.6-in. vented discs/1-piston sliding calipers; vac assist, ABS
Wheels	cast alloy, 20 x 9	cast alloy; 18 x 8½ f, 18 x 9 r
Tires	Bridgestone Potenza RE050A, 245/40R-20 95W	Continental ContiSportContact 3; 245/40R-18 93Y f, 265/35R-18 97Y r
Steering	rack & pinion, vari power assist; active rear steering	rack & pinion, vari power assist
Steering ratio	16.9:1	17.0:1
Turns lock to lock	2.6	2.8
Suspension, f/r	upper & lower A-arms, coil springs, tube shocks, anti-roll bar/multilink, coil springs, tube shocks, anti-roll bar	MacPherson struts, air springs, elect. adj tube shocks, anti-roll bar/multilink, air springs, elect. adj tube shocks, anti-roll bar

ACCOMMODATIONS

Seating capacity	5	5
Head room, f/r	38.5 in./36.0 in.	39.0 in./36.5 in.
Front-seat leg room	44.0 in.	45.5 in.
Rear-seat knee room	27.5 in.	22.5 in.
Trunk space	14.9 cu ft	15.9 cu ft



Shell
NITROGEN
enriched gasoline

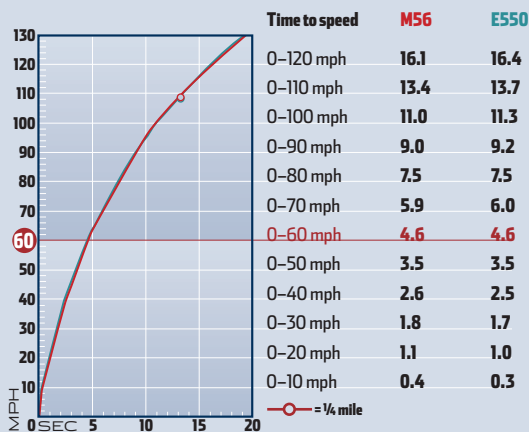
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Infiniti M56

Mercedes-Benz E550

ACCELERATION

Time to distance, seconds
0-1320 ft (¼ mile) 13.1 @ 108.7 mph 13.1 @ 107.9 mph



BRAKING

Minimum stopping distance		
From 60 mph	121 ft	120 ft
From 80 mph	214 ft	212 ft
Total swept area	566 sq in.	549 sq in.
Swept area per ton	288 sq in.	265 sq in.

HANDLING

Lateral accel *	0.87g	0.86g
Balance	mild understeer	moderate understeer
Slalom speed**	66.7 mph	65.1 mph
Balance	mild understeer	moderate understeer

* (200-ft skidpad); ** 700-ft slalom, 100-ft spacing.

DRIVETRAIN

Transmission	7-speed automatic	7-speed automatic
Gear/Ratio/Overall/(Rpm) Mph		
1st,:1	4.78/12.49/(6700) 43	4.38/10.82/(6500) 43
2nd,:1	3.10/8.10/(6700) 66	2.86/7.06/(6500) 66
3rd,:1	1.98/5.18/(6700) 104	1.92/4.74/(6500) 99
4th,:1	1.37/3.58/(6700) 150	1.37/3.38/est(6100) 130*
5th,:1	1.00/2.61/est(5050) 155*	1.00/2.47/est(4450) 130*
6th,:1	0.87/2.27/est(4400) 155*	0.82/2.03/est(3650) 130*
7th,:1	0.78/2.03/est(3900) 155*	0.73/1.80/est(3250) 130*
Final drive ratio	2.61:1	2.47:1
Engine rpm @ 60 mph in top gear	1500 rpm	1500 rpm

*Electronically limited.

FUEL ECONOMY

Our driving	17.9 mpg	17.4 mpg
EPA city/highway	16/25 mpg	16/24 mpg
Cruise range	340 miles	350 miles
Fuel capacity	20.0 gal.	21.1 gal.

INTERIOR NOISE

Idle in neutral	42 dBA	47 dBA
Maximum, 1st gear	78 dBA	77 dBA
Constant 50 mph	69 dBA	69 dBA
Constant 70 mph	72 dBA	71 dBA

TEST CONDITIONS

Temperature	63° F	Elevation	350 ft	Location	Irvine, California
Humidity	45%	Wind	calm		