

Specifications | Technical data

Weight ¹		525i	530i	545i (w/Automatic)	545i (w/Manual)
Unladen					
Manual transmission	lbs	3417	3461		3737
Sequential Manual Gearbox (SMG)	lbs		3483		3759
Automatic transmission	lbs	3450	3483	3748	
Weight distribution, front/rear					
Manual transmission	%	50.2/49.8	50.4/49.6		50.9/49.1
Sequential Manual Gearbox (SMG)	%		50.4/49.6		50.9/49.1
Automatic transmission	%	50.5/49.5	50.9/49.1	51.1/48.9	

Engine

Liter/type		2.5/inline 6	3.0/inline 6	4.4/V-8	4.4/V-8
Bore/stroke	inch	3.31 x 2.95	3.31 x 3.53	3.50 x 3.15	3.50 x 3.15
Nominal output/rpm	hp	184/6000	225/5900	325/6100	325/6100
Max. torque/rpm	lb-ft	175/3500	214/3500	330/3600	330/3600
Compression ratio	:1	10.5	10.2	10.5	10.5
Fuel grade		Unleaded premium	Unleaded premium	Unleaded premium	Unleaded premium

Transmission

Standard gear ratios	I/II/III :1	4.35/2.50/1.66	4.35/2.50/1.66		4.06/2.40/1.58
	IV/V/VI/R :1	1.23/1.00/0.85/3.93	1.23/1.00/0.85/3.93		1.19/1.00/0.87/3.77
	Final drive ratio :1	3.15	2.93		2.93
Automatic gear ratios	I/II/III :1	4.17/2.34/1.52	4.17/2.34/1.52	4.17/2.34/1.52	
	IV/V/VI :1	1.14/0.87/0.69	1.14/0.87/0.69	1.14/0.87/0.69	
	Final drive ratio :1	3.73	3.46	3.38	

Performance

Drag coefficient	C _d	0.28	0.29	0.29	0.29
Top speed ²	mph	146 (144)	150	150	150
Acceleration 0–60 mph					
Manual transmission [SMG]	sec		6.6	—	5.7 [5.7]
Automatic transmission	sec	8.2	6.9	5.8	—

Fuel consumption³

Manual transmission [SMG]					
City/Highway	mpg	19/28	20/30 [20/29]		17/25 [16/24]
Automatic transmission					
City/Highway	mpg	19/28	19/29	18/26	
Fuel capacity	U.S. gal	18.5	18.5	18.5	18.5

Tires and Wheels

Tire dimensions	standard	225/50R-17	225/50R-17	225/50R-17	245/40R-18 ⁴ front 275/35R-18 ⁴ rear
Wheel dimensions	standard	17x7.5	17x7.5	17x7.5	18x8.0 front ⁴ 18x9.0 rear ⁴
Material	standard	Cast alloy	Cast alloy	Cast alloy	Cast alloy

Brakes

Front – diameter x thickness	in	12.2 x 0.94	12.8 x 1.18	13.7 x 1.18	13.7 x 1.18
Rear – diameter x thickness	in	12.6 x 0.79	12.6 x 0.79	13.6 x 0.94	13.6 x 0.94

Figures in () apply to vehicles with automatic transmission.
Figures in [] apply to vehicles with SMG.

¹ Preliminary data.

² Top speed limited electronically.

³ EPA-estimated figures are for comparison purposes only.
Your actual mileage will vary, depending on speed, driving habits, trip length and driving conditions; actual mileage will most likely be lower.

⁴ Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages. Performance tires not recommended for driving in ice and snow.