

MY14 SL-Class Specifications

Summary	SL550	SL63 AMG	SL65 AMG
Model Year	2014	2014	2014
Model Series, Internal	R231	R231	R231
Model Class	SL	SL	SL
Sales Designation	SL550	SL63 AMG	SL65 AMG
Arrangement, Cylinders	V8	V8	V12
Transmission Type	Automatic	Multi-Clutch Automatic	Automatic
Displacement	4.6 Liters	5.5 Liters	6.0 Liters
Horsepower	429 @ 5,250 rpm	530 @ 5,250-5,750 rpm	621 @ 4,800-5,400 rpm
Torque	516 @ 1,800 - 3,500 rpm	590 @ 2,000 - 4,500 rpm	738 @ 2,300-4,300 rpm
Acceleration, 0-60 mph	4.5 sec.	4.2 sec.	3.9 sec.
Top Speed	130 mph	155 mph	186 mph
Tires, Front	255/40 R18 95Y	255/35 R19	255/35 R19
Tires, Rear	285/35 R18 97Y	285/30 R19	285/30 R19
Fuel	Premium Unleaded	Premium Unleaded	Premium Unleaded
Fuel Tank Capacity	19.8 gal.	19.8 gal.	19.8 gal.
Fuel Economy, City	18 mpg (estimated)	16 mpg (estimated)	14 mpg (estimated)
Fuel Economy, Highway	25 mpg (estimated)	25 mpg (estimated)	21 mpg (estimated)
Fuel Economy, Combined	20 mpg (estimated)	19 mpg (estimated)	17 mpg (estimated)
Gas Guzzler Tax	\$0	\$0	\$1300
Vehicle Identification	SL550	SL63 AMG	SL65 AMG
Model Variant Number	231.473	231.474	231.479
Market Launch	tbd	tbd	tbd
Engine and Performance	SL550	SL63 AMG	SL65 AMG
Engine Series	M278	M157	M279
Engine Variant	DE46LA	DE55LA	KE60LA
Engine Weight (Dry)	487 lbs.	483 lbs.	N/A
Arrangement, Cylinders	V8	V8	V12
V Angle	90°	90°	60°
Displacement	4,664 cc	5,461 cc	5,980 cc
Bore	3.66 in.	3.86 in.	3.25 in.
Stroke	3.39 in.	3.56 in.	3.66 in.
Horsepower	429 @ 5,250 rpm	530 @ 5,500 rpm	621 @ 4,800 rpm
Torque	516 @ 1,800 - 3,500 rpm	590 @ 2,000 - 4,500 rpm	738 @ 2,300-4,300 rpm
Maximum Engine Speed	6,300 rpm	6,500 rpm	6,100 rpm
Compression Ratio	10.5 : 1	10.0 : 1	9.0 : 1
Injection Type	Direct Injection	Direct Injection	Port Injection
Aspiration	Twin Turbocharged	Twin Turbocharged	Twin Turbocharged
Maximum Boost Pressure	13.0 psi	14.2 psi	14.2 psi
Engine Block Material	Aluminum	Aluminum	Aluminum
Cylinder Head Material	Alloy	Alloy	Alloy
Valves Per Cylinder	4	4	3
Camshafts	4	4	2
Camshaft Drive	Silent Chain	Silent Chain	Silent Chain
Charge Cycle Control	Overhead Camshafts (DOHC)	Overhead Camshafts (DOHC)	Overhead Camshaft (SOHC)
Variable Exhaust Timing	Yes	Yes	No
Variable Intake Timing	Yes	Yes	No
Valve Actuation	Roller-Type Rocker Arm (Roller-Type Cam Follower)	Roller-Type Rocker Arm (Roller-Type Cam Follower)	Cam Follower

Crankshaft Bearings	5	5	7
Balancing	Counter-Weights	Counter-Weights	Counter-Weights
Engine Cooling	Water Cooled	Water Cooled	Water Cooled
Fan Drive Control	Electronic, Infinitely Variable	Electronic, Infinitely Variable	Electronic, Infinitely Variable
Engine Oil Cooler	Oil-Water	Oil-Water	Oil-Water
Engine Lubrication	Force-Feed Circulation	Force-Feed Circulation	Force-Feed Circulation
Ignition System	Direct Coil Ignition	Direct Coil Ignition	Port Injection
Exhaust Aftertreatment	3-Way Catalytic Converter	3-Way Catalytic Converter	3-Way Catalytic Converter
ECO Start/Stop	Yes	Yes	Yes
Catalytic Converters	2	2	2
Acceleration, 0-60 mph	4.5 sec.	4.2 sec.	3.9 sec.
Top Speed	130 mph	155 mph	186 mph
Top Speed in 1st Gear	42 mph	42 mph	40 mph
Top Speed in 2nd Gear	65 mph	65 mph	61 mph
Top Speed in 3rd Gear	95 mph	95 mpg	91 mph
Top Speed in 4th Gear	130 mph	134 mph	127 mph
Top Speed in 5th Gear	155 mph (max)	155 mph (max)	TBD
Top Speed in 6th Gear	155 mph (max)	155 mph (max)	TBD
Top Speed in 7th Gear	155 mph (max)	155 mph (max)	186 mph (max)
Exterior Noise At Standstill	76 db	90 db	N/A
Exterior Noise When Driving	72 db	74 db	N/A
Breakover Angle	9.0°	10.5°	10.5°
Power Transmission	SL550	SL63 AMG	SL65 AMG
Drive System	Rear-Wheel Drive	Rear-Wheel Drive	Rear-Wheel Drive
Transmission Type	Automatic	Multi-Clutch Automatic	Automatic
Transmission Gears	7	7	7
Transmission Designation	7G-TRONIC PLUS (NAG-2 FE+)	AMG SPEEDSHIFT MCT (NAG-2 Sport)	AMG SPEEDSHIFT PLUS
Transmission Type	Planetary Gearset	Planetary Gearset	Planetary Gearset
1st Gear Ratio	4.38	4.38	4.38
2nd Gear Ratio	2.86	2.86	2.86
3rd Gear Ratio	1.92	1.92	1.92
4th Gear Ratio	1.37	1.37	1.37
5th Gear Ratio	1.00	1.00	1.00
6th Gear Ratio	0.82	0.82	0.82
7th Gear Ratio	0.73	0.73	0.73
1st Reverse Gear Ratio	3.42	3.42	3.42
2nd Reverse Gear Ratio	2.23	N/A	N/A
Final-Drive Ratio	2.65	2.65	2.65
Chassis and Steering	SL550		
Steering	Electromechanical Power Steering System	Electromechanical Power Steering System	Electromechanical Power Steering System
Steering Ratio	15.9	13.9	13.9
Steering Wheel Rim Diameter	14.8 in.	14.8 in.	14.8 in.
Steering Column Adjustment	Electric, Length and Height	Electric, Length and Height	Electric, Length and Height
Suspension, Front	Multi-Link Independent Suspension	Multi-Link Independent Suspension	Multi-Link Independent Suspension
Suspension, Rear	Multi-Link Independent Suspension	Multi-Link Independent Suspension	Multi-Link Independent Suspension
Stabilizer Bar, Front	Torsion Bar	Active Body Control (ABC)	Active Body Control (ABC)
Stabilizer Bar, Rear	Torsion Bar	Active Body Control (ABC)	Active Body Control (ABC)
Brakes, Front	Internally Ventilated and Perforated Discs	Internally Ventilated and Perforated Compound Discs	Internally Ventilated and Perforated Compound Discs
Brakes, Rear	Internally Ventilated Discs	Internally Ventilated and Perforated Discs	Internally Ventilated and Perforated Discs
Brake Calipers, Front	Fixed Caliper	Fixed Caliper	Fixed Caliper

Brake Calipers, Rear	Sliding Caliper	Sliding Caliper	Sliding Caliper
Brake Rotor Dimensions, Front	13.5 in. x 1.3 in.	15.4 in. x 1.4 in.	15.4 in. x 1.4 in.
Brake Rotor Dimensions, Rear	12.6 in. x 0.9 in.	14.2 in. x 1.0 in.	14.2 in. x 1.0 in.
Brake Booster	Vacuum Pump	Vacuum Pump	Vacuum Pump
Brake Disc Ventilation	Front Axle	Front Axle	Front Axle
Parking Brake	Electric, Rear Wheels	Electric, Rear Wheels	Electric, Rear Wheels
Wheels, Front	18 x 8.5 (et 36)	19 x 9.0 (et 27)	19 x 9.0 (et 27)
Wheels, Rear	18 x 9.5 (et 48)	19 x 10.0 (et 48)	20 x 10.0 (et 48)
Tire Speed Rating	Y	Y	Y
Tires, Front	255/40 R18 95Y	255/35 ZR19 96Y	255/35 ZR19 96Y XL
Tires, Rear	285/35 R18 97Y	285/30 ZR19 98Y	285/30 ZR20 98Y XL
Tire Type	Run-Flat	Conventional	Conventional
Spare Tire	No	No	No
TIRE-FIT	No	Yes	Yes
Approved Tires	Continental SportContact 5P Bridgestone Potenza S001 Dunlop Sport Maxx GT	Continental SportContact 5P Michelin Pilot Sport 3	
Body	SL550	SL63 AMG	SL65 AMG
Design	Roadster	Roadster	Roadster
Cd Value	0.29 Cd	.32 Cd	.32 Cd
Doors	2	2	2
Seats	2	2	2
Roof Type	Composite, Retractable	Composite, Retractable	Composite, Retractable
Roof Operation	Electrohydraulic	Electrohydraulic	Electrohydraulic
Roof Opening Time	19.5 sec.	19.5 sec.	19.5 sec.
Exterior Dimensions	SL550	SL63 AMG	SL65 AMG
Length (in.)	181.6	182.4	182.4
Width, Mirrors In (in.)	76.7	76.7	76.7
Width, Mirrors Out (in.)	82.6	82.6	82.6
Height (in.)	51.8	51.2	51.2
Height, Trunk Open (in.)	76.0	76.0	76.0
Wheelbase (in.)	101.8	101.8	101.8
Turning Circle (ft.)	36.2	36.4	36.4
Track Width, Front (in.)	62.9	63.8	63.8
Track Width, Rear (in.)	63.0	63.2	63.2
Ground Clearance (in.)	3.8	4.4	4.4
Interior Dimensions	SL550	SL63 AMG	SL65 AMG
Trunk Capacity Top Up (cu. ft.)	13.5	13.5	13.5
Trunk Capacity Top Down (cu. ft.)	8.5	8.5	8.5
Space Behind Rear Seats (cu. ft.)	4.2	4.2	4.2
Headroom (in.)	39.1	39.1	39.1
Shoulder Room (in.)	55.5	55.5	55.5
Hip Room (in.)	53.6	53.6	53.6
Elbow Width (in.)	58.0	58.0	58.0
Weight	SL550	SL63 AMG	SL65 AMG
Curb Weight (lbs.)	4,001	4,068 (est)	4,299 (est)
Weight Ratio (Front : Rear)	52 : 48	52 : 48	52 : 48