

Vehicle Comparison

May 31, 2016



2016 GS 450h



2016 Mercedes-Benz
E-Class Base 4dr
AWD 4MATIC
Sedan



2015 BMW
ActiveHybrid 5 Base
4dr RWD Sedan

Comparably Equipped Pricing

MSRP	\$75,500	\$59,500	\$71,150
Destination Fee	\$2,045	\$2,075	\$985
Added Equipment	\$0	\$8,390 ^[1]	\$13,500 ^[2]
Comparably Equipped Price	\$77,545	\$69,965	\$85,635
Air Conditioning Charge	\$100	\$100	\$100
Dealership Fees (Maximum)	Extra	Unknown	Unknown

1. Comparably Equipped by adding the following: Avantgarde Edition Package (MAX) (\$4,700); Leather Upholstery (\$1,990); 115V Power Socket (\$150); Wood/Leather Steering Wheel (\$650); Drive-Dynamic Multicontour Driver's Seat (\$900)
2. Comparably Equipped by adding the following: Premium Package (\$3,500); M Sport Package (\$3,600); Technology Package (\$4,500); Driving Assistant Plus (\$1,900)

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
Lexus Advantages			
Driver mirror	Power remote w/tilt down	Power remote	Power remote
Cargo net	Yes	None	None
Ventilated front seats	Driver and passenger	None	None
Front passenger seat - seatback side bolster support	Power	None	None
Front head restraints	W/tilt	Adjustable	Adjustable
Speakers	17	14	16
Low tire pressure warning	Tire specific	Yes	Yes
Engine litres (L)	3.5	2.1	3
Hybrid system net power output (hp)	338	N/A	335

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
Fuel economy - city (L/100 km / mpg)	8.1/34.9	8.6/32.8	10.6/26.6
Turning radius (m)	5.3	5.6	6
Interior cargo volume (L)	450	365.3	375
Maximum interior cargo volume (L)	450	365.3	375
Front legroom (mm)	1,075	1,049	1,052
Rear legroom (mm)	935	909	918
Front hiproom (mm)	1,384	N/A	N/A
Rear hiproom (mm)	1,374	N/A	N/A
Passenger volume (L)	2,803	N/A	N/A
Powertrain months	72	48	48
Powertrain distance (km)	110,000	80,000	80,000
Hybrid electrical components distance (km)	160,000	N/A	130,000

Mechanical

Powertrain

Hybrid/Electric	Full	None	Full
Engine litres (L)	3.5	2.1	3
Cylinder configuration	V-6	I-4	I-6
Valvetrain	DOHC	DOHC	DOHC
Compressor	None	Twin turbo	Intercooled turbo
Recommended fuel	Premium unleaded	Diesel	Premium unleaded
Drive type	Rear-wheel	4MATIC all-wheel drive	Rear-wheel
Transmission	CVT	7-speed automatic	8-speed automatic
Sequential shift control	With steering wheel controls	TouchShift with steering wheel controls	STEPTRONIC

Suspension and Handling

Front suspension	Double wishbone	Strut	Double wishbone
Rear suspension	Multi-link	Multi-link	Multi-link
Steering activation	Electric power-assist	Electric power-assist	Electric power-assist
Steering type	Rack-pinion	Rack-pinion	Rack-pinion
Speed sensitive steering	Yes	Yes	Servotronic
Brakes	4-wheel disc	4-wheel disc	4-wheel disc
Tires	P235/45ZR18 BSW performance AS	P245/40VR18 BSW AS	P245/45VR18 BSW run flat AS
Wheel appearance	Silver	Silver	Silver

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
Wheel material	Aluminum	Aluminum	Aluminum
Wheel diameter	18"	18"	18"
Wheel width	8"	8.5"	8"

Fuel Economy

Fuel Economy

Fuel economy - city (L/100 km / mpg)	8.1/34.9	8.6/32.8	10.6/26.6
Fuel economy - highway (L/100 km / mpg)	6.9/40.9	6/47.1	7.9/35.8
Fuel economy - combined (L/100 km / mpg)	7.6/37.2	7.4/38.2	9.4/30.1
Recommended fuel	Premium unleaded	Diesel	Premium unleaded
Fuel tank (L)	66	80	67

Entertainment

Entertainment Features

	XM AM/FM/HD/Satellite	SIRIUS AM/FM/HD/Satellite	SiriusXM AM/FM/Satellite
Radio	Single	Single	Single
CD	Yes	Yes	Yes
MP3 decoder	Yes	Yes	Yes
External digital memory control	Yes	Yes	Yes
Steering wheel audio controls	Yes	Yes	Yes
Radio data system	Yes	Yes	Yes
Voice activated audio control	Yes	Yes	Yes
Speakers	17	14	16
Speed sensitive volume	Yes	Yes	Yes
Integrated navigation system	With voice activation	With voice activation	With voice activation
1st row LCD monitor	1	1	1
Wireless phone connectivity	Bluetooth	Bluetooth	Bluetooth

Exterior

Lighting

Headlight beam	LED low/high beam	LED low/high beam	Bi-xenon LED low/high beam
Exterior light control	Fully automatic	Fully automatic	Fully automatic

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
Delay-off headlamps	Yes	Yes	Yes
Daytime running lights	LED	LED	LED
Front fog lights	None	None	LED
Perimeter/approach lights	Remote activated	Remote activated	Remote activated
Driver side turn signal indicator in mirror	Yes	Yes	Yes
Passenger side turn signal indicator in mirror	Yes	Yes	Yes
LED brakelights	Yes	Yes	Yes

Body Exterior

Body material	Galvanized steel/aluminum	Galvanized steel/aluminum	Galvanized steel/aluminum
Grille	Black w/chrome surround	Chrome	Chrome
Door count	4	4	4
Rear cargo door	Trunk	EASY-PACK power open and close trunk	Power open and close trunk
Driver mirror	Power remote w/tilt down	Power remote	Power remote
Passenger mirror	Power remote w/tilt down	Power remote w/tilt down	Power remote w/tilt down
Driver heated mirror	Yes	Yes	Yes
Passenger heated mirror	Yes	Yes	Yes
Driver auto dimming mirror	Yes	Yes	Yes
Passenger auto dimming mirror	Yes	None	Yes
Sunroof	1st row	1st row	1st row
Sunroof activation	Express open/close	Express open/close	Express open/close
Sunroof type	Glass	Glass	Glass
2nd row sunroof type	None	Glass	None
Rear spoiler	Lip	None	Lip
Antenna	Window grid	Window grid	Window grid
Front bumper	Body-coloured	Body-coloured	Body-coloured
Rear bumper	Body-coloured	Body-coloured	Body-coloured

Interior

Convenience Features

Air conditioning	Automatic	THERMATIC automatic	Automatic
Dual zone front air conditioning	Yes	Yes	Yes

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Air filter	Yes	Yes	Yes
Rear HVAC	With separate controls	None	With separate controls
Voice activated air conditioning	None	None	Yes
External digital memory control	Yes	Yes	Yes
Door locks	Power with 2 stage unlock	Power with 2 stage unlock	Power with 2 stage unlock
Remote keyless entry	Keyfob (all doors)	Keyfob (all doors)	Keyfob (all doors)
Front windows	Power	Power	Power
Rear windows	Power	Power	Power
Window control - express up	Front and rear	Front and rear	Front and rear
Window control - express down	Front and rear	Front and rear	Front and rear
AC power outlet	1	1	None
Cargo net	Yes	None	None
Cargo tie downs	Yes	Yes	Yes
Cruise control	With steering wheel controls	Yes	With steering wheel controls
Distance pacing cruise control	Yes	None	With traffic stop-go
Front beverage holders	Yes	Yes	Yes
Rear beverage holders	Yes	Yes	Yes
12V DC power outlet	2	3	2
Driver door bin	Yes	Yes	Yes
Passenger door bin	Yes	Yes	Yes
Overhead console	Mini	Mini	None
Floor console	Full	Full	Full
Glove box	Locking	Locking	Yes
Garage door transmitter	HomeLink	Homelink	HomeLink
Auto-dimming rear view mirror	Yes	Yes	Yes
Driver vanity mirror	Illuminated	Illuminated	Illuminated
Passenger vanity mirror	Illuminated	Illuminated	Illuminated
Tilting steering wheel	Power	Power	Power
Telescoping steering wheel	Power	Power	Power

Seats and Trim

Seating capacity	5	5	5
Heated seats	Driver and passenger	Driver and passenger	Driver and passenger
Ventilated front seats	Driver and passenger	None	None
Driver seat - way direction control	14	14	12

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
Driver seat - recline	Power	Power	Power
Driver seat - height adjustment	Power	Power	Power
Driver seat - fore/aft	Power	Power	Power
Driver seat - cushion tilt	Power	Power	Power
Driver seat - lumbar support	Power 4-way	Massaging	Power 4-way
Driver seat - cushion extension	Power	Power	Power
Driver seat - seatback side bolster support	Power	Power	None
Front passenger seat - way direction control	14	8	12
Front passenger seat - recline	Power	Power	Power
Front passenger seat - height adjustment	Power	Power	Power
Front passenger seat - fore/aft	Power	Power	Power
Front passenger seat - cushion tilt	Power	Power	Power
Front passenger seat - lumbar support	Power 4-way	Power 4-way	Power 4-way
Front passenger seat - cushion extension	Power	None	Power
Front passenger seat - seatback side bolster support	Power	None	None
Front centre armrest	Yes	Yes	Yes
Front head restraints	W/tilt	Adjustable	Adjustable
Memory seat(s)	Driver and passenger	Driver and passenger	Driver and passenger
Rear seat folding	None	60-40	None
Rear seat descriptor	Bench	Split-bench	Bench
Rear heated seats	Yes	None	Yes
Rear armrest	Yes	Yes	Yes
Rear head restraints	Adjustable	Adjustable	Adjustable
Seat material	Leather	ARTICO leather	Leather
Door trim insert	Leather	Leatherette	Leather
Floor mats	Carpet front and rear	Carpet front and rear	Carpet front and rear
Floor trim	Carpet	Carpet	Carpet
Headliner	Cloth	Cloth	Cloth
Steering wheel material	Leather/genuine wood	Leather/genuine wood	Leather

Entertainment Features

Radio	XM AM/FM/HD/Satellite	SIRIUS AM/FM/HD/Satellite	SiriusXM AM/FM/Satellite
CD	Single	Single	Single
MP3 decoder	Yes	Yes	Yes

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External digital memory control	Yes	Yes	Yes
Steering wheel audio controls	Yes	Yes	Yes
Radio data system	Yes	Yes	Yes
Voice activated audio control	Yes	Yes	Yes
Speakers	17	14	16
Speed sensitive volume	Yes	Yes	Yes
Integrated navigation system	With voice activation	With voice activation	With voice activation
1st row LCD monitor	1	1	1
Wireless phone connectivity	Bluetooth	Bluetooth	Bluetooth

Lighting, Visibility and Instrumentation

Dome light	Fade	Fade	Fade
Door curb/courtesy lights	4	4	4
Illuminated entry	Yes	Yes	Yes
Front reading lights	Yes	Yes	Yes
Rear reading lights	Yes	Yes	Yes
Illuminated glove box	Yes	Yes	Yes
Windshield wipers	Variable intermittent	Variable intermittent	Variable intermittent
Rain detecting wipers	Yes	Yes	Yes
Window tint	Light	Light	Light
Instrumentation display	Analog	Analog	Analog
Tachometer	None	Yes	Yes
Engine temperature gauge	Yes	Yes	Yes
Low fuel warning	Yes	Yes	Yes
Low tire pressure warning	Tire specific	Yes	Yes
Maintenance reminder	Yes	Yes	Yes
Driver information centre	Yes	Yes	Yes
Exterior temperature	Yes	Yes	Yes
Clock	Analog	Analog	In-dash
Trip computer	Yes	Yes	Yes
Blind spot sensor	Warning	Blind Spot Assist warning	Warning
Parking sensors	Rear	PARKTRONIC w/Active Parking Assist automated	Front and rear

Specifications

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
Specs and Dimensions			
Engine litres (L)	3.5	2.1	3
Cylinder configuration	V-6	I-4	I-6
Horsepower (hp)	286 @ 6,000RPM	195 @ 3,800RPM	300 @ 5,800RPM
Torque (lb.-ft.)	257 @ 4,500RPM	369 @ 1,600RPM	300 @ 1,200RPM
Hybrid system net power output (hp)	338	N/A	335
Battery pack	288V nickel metal hydride	N/A	317V lithium ion
Fuel economy - city (L/100 km / mpg)	8.1/34.9	8.6/32.8	10.6/26.6
Fuel economy - highway (L/100 km / mpg)	6.9/40.9	6/47.1	7.9/35.8
Fuel economy - combined (L/100 km / mpg)	7.6/37.2	7.4/38.2	9.4/30.1
Fuel tank (L)	66	80	67
Curb weight (kg)	1,865	1,825	1,980
Gross vehicle weight rating (GVWR) (kg)	2,320	2,390	2,400
Payload (kg)	N/A	565	390
Exterior length (mm)	4,880	4,879	4,913
Exterior body width (mm)	1,840	1,854	1,860
Exterior body height (mm)	1,455	1,477	1,464
Wheelbase (mm)	2,850	2,874	2,968
Front track (mm)	1,575	1,580	1,600
Rear track (mm)	1,590	1,599	1,627
Turning radius (m)	5.3	5.6	6
Interior cargo volume (L)	450	365.3	375
Maximum interior cargo volume (L)	450	365.3	375
Front legroom (mm)	1,075	1,049	1,052
Rear legroom (mm)	935	909	918
Front headroom (mm)	965	963	1,028
Rear headroom (mm)	960	970	973
Front hiproom (mm)	1,384	N/A	N/A
Rear hiproom (mm)	1,374	N/A	N/A
Front shoulder room (mm)	1,455	1,468	1,480
Rear shoulder room (mm)	1,415	1,445	1,427
Passenger volume (L)	2,803	N/A	N/A

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
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Safety

Safety and Security

Passenger front-impact airbag	Yes	Yes	Yes
Driver side-impact airbag	Seat mounted	Seat mounted	Seat mounted
Passenger side-impact airbag	Seat mounted	Seat mounted	Seat mounted
Overhead airbag	Curtain 1st and 2nd row	Curtain 1st and 2nd row	Curtain 1st and 2nd row
Front passenger airbag occupancy sensor	Yes	Yes	Yes
Side impact beams	Yes	Yes	Yes
Height adjustable seatbelts	Front	Front	None
Seatbelt pre-tensioners	Front and rear	Front and rear	Front
ABS	4-wheel	4-wheel	4-wheel
Brake assist	Yes	Yes	Yes
Traction control	ABS and driveline	ABS and driveline	ABS and driveline
Electronic stability	Stability control	Stability control	Stability control
Blind spot sensor	Warning	Blind Spot Assist warning	Warning
Forward collision	Warning	Collision Prevention Assist mitigation	Warning
Parking sensors	Rear	PARKTRONIC w/Active Parking Assist automated	Front and rear
Distance pacing cruise control	Yes	None	With traffic stop-go
Panic alarm	Yes	Yes	Yes
Security system	Yes	Yes	Yes
Immobilizer	Yes	Yes	Yes
Rear child safety locks	Manual	Manual	Manual

Warranty

Warranty

Basic months	48	48	48
Basic distance (km)	80,000	80,000	80,000
Powertrain months	72	48	48
Powertrain distance (km)	110,000	80,000	80,000
Corrosion perforation months	72	60	144
Corrosion perforation distance			

	2016 GS 450h	2016 Mercedes-Benz E-Class	2015 BMW ActiveHybrid 5
(km)	unlimited	unlimited	unlimited
Roadside assistance months	48	48	48
Roadside assistance distance (km)	unlimited	unlimited	unlimited
Hybrid electrical components months	96	N/A	96
Hybrid electrical components distance (km)	160,000	N/A	130,000

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