



GENESIS

GENESIS G90



GENESIS

The GENESIS brand is now going beyond building better cars and pursuing novel human-focused innovations to transform people's lives. GENESIS is developing breakthrough technology, enhancing comfort concurrently with power performance, creating designs that are athletically elegant, and providing simple and convenient customer service experiences.

G90 is the first product incorporating such innovations and is the brands' flagship model. It promises to become the epitome of cutting-edge products and services.

G90, the GENESIS brand's flagship sedan, will continuously evolve with remarkable progress that goes beyond technology to provide innovations that benefit mankind.





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GENESIS



THE INTELLIGENT JOURNEY
G90

TRANSCENDING APPEARANCES, TRENDS, AND IDEALS, GENESIS' PURSUITS ARE FOCUSED ON HUMAN NEEDS.
COME ABOARD G90'S INTELLIGENT JOURNEY AND TRANSFORM YOUR EVERYDAY LIFE.



STATELY ELEGANCE THAT OUTPERFORMS ITS CLASS AND SETS NEW DESIGN STANDARDS.

G90's design is the result of an ambitious journey in search for unique beauty aimed at more than differentiation. It gave birth to new aesthetics that transcend design and beauty standards of its vehicle class.

A magnificent Crest grille and sleek head lamps render a dignified frontal design, while a long hood and short frontal overhang convey a solid image when viewed from the side. The rear garnishes and vertical graphic combination lamps complete an elegant rear design.









HUMAN-CENTERED INTELLIGENT TECHNOLOGY THAT TRANSCENDS AN ERA.

Premium sedans must go beyond flaunting or seeking differentiation through technology and focus on human-centered progress. Dignified elegance that outshines its class, technology that promotes comfort and safety

at the same time, and spaces that provide genuine relaxation while conveying the exhilaration of driving... G90 believes that progress can only be achieved when the goals and standards of development are focused on human needs.







DRIVING CONDITIONS CHANGE ALL THE TIME,
BUT G90'S MANEUVERABILITY IS SPLENDID EVERY MOMENT.

With a solid platform the provides exceptional stability,
a powertrain that generates incredible power even at low and
medium speeds, smart controls that offer cutting-edge driving
assistance, a proprietary all-wheel drive system (HTRAC)
that provides consistently comfortable and dependable

rides under a variety of driving conditions, and silence
that allows the driver to focus on the pleasure of driving,
G90 is serene and satisfying in the most active moments
and agile and dynamic in the most peaceful moments.







PERFECTION

TECHNOLOGICAL DEVELOPMENT, INNOVATION, AND PROGRESS AIMED AT PERFECTION.
PEOPLE ARE THE FOCUS OF G90'S RELENTLESS, COMPETITIVE JOURNEY.

In addition to optimizing weight distribution and strengthening the center pillar, G90 uses advanced high strength steels in 51.7% of its body and hot stamping in 19 key components to reinforce the vehicle's structure for the safety of its passengers. Its rear-wheel drive system provides the comfortable and stable

ride of a premium sedan, and HTRAC, its proprietary electronic all-wheel drive system, tracks vehicle speed and road conditions to control braking between the left and right wheels and balance power between the front and rear wheels to ensure safety while cornering and driving on slippery roads.

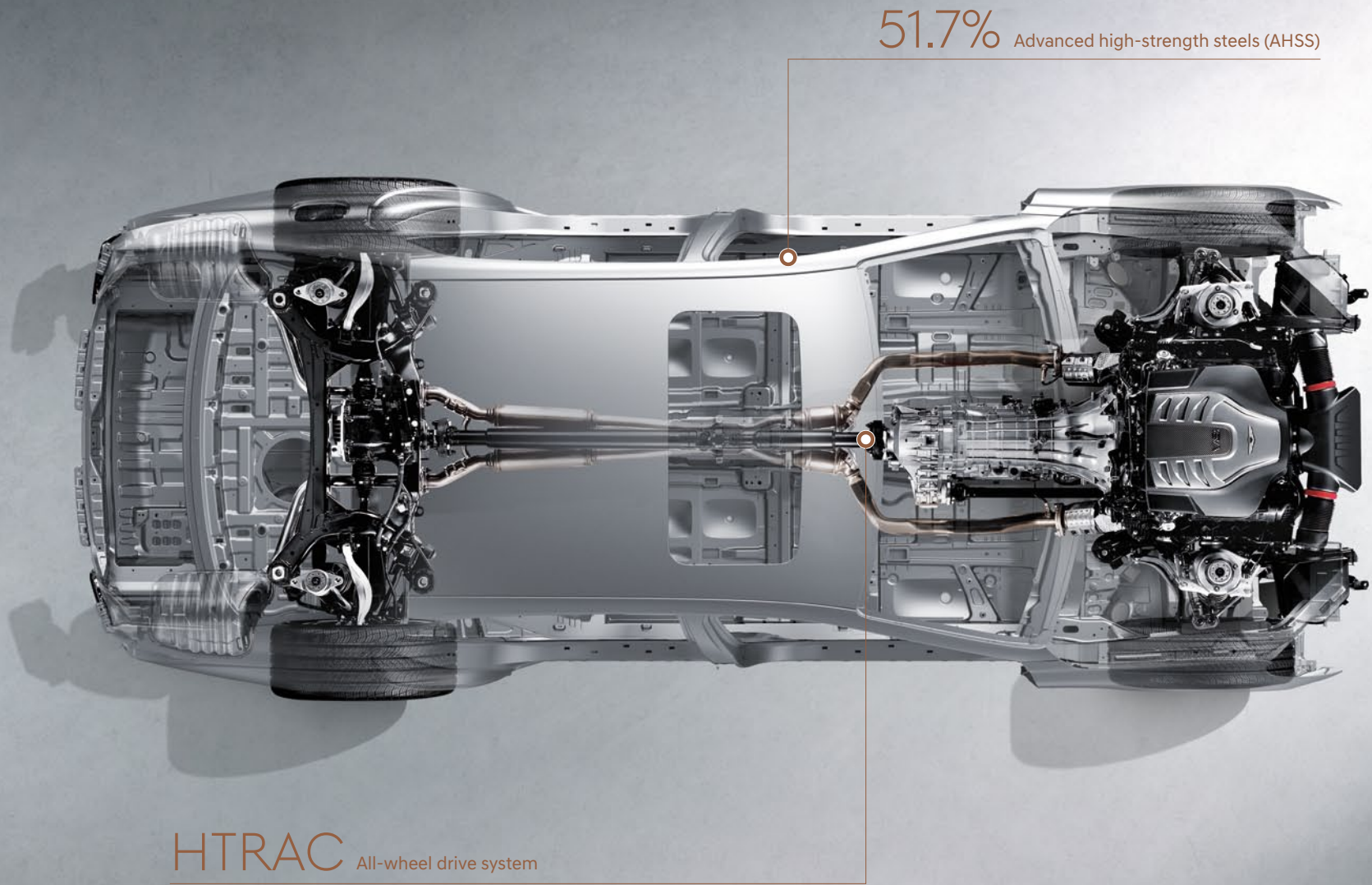


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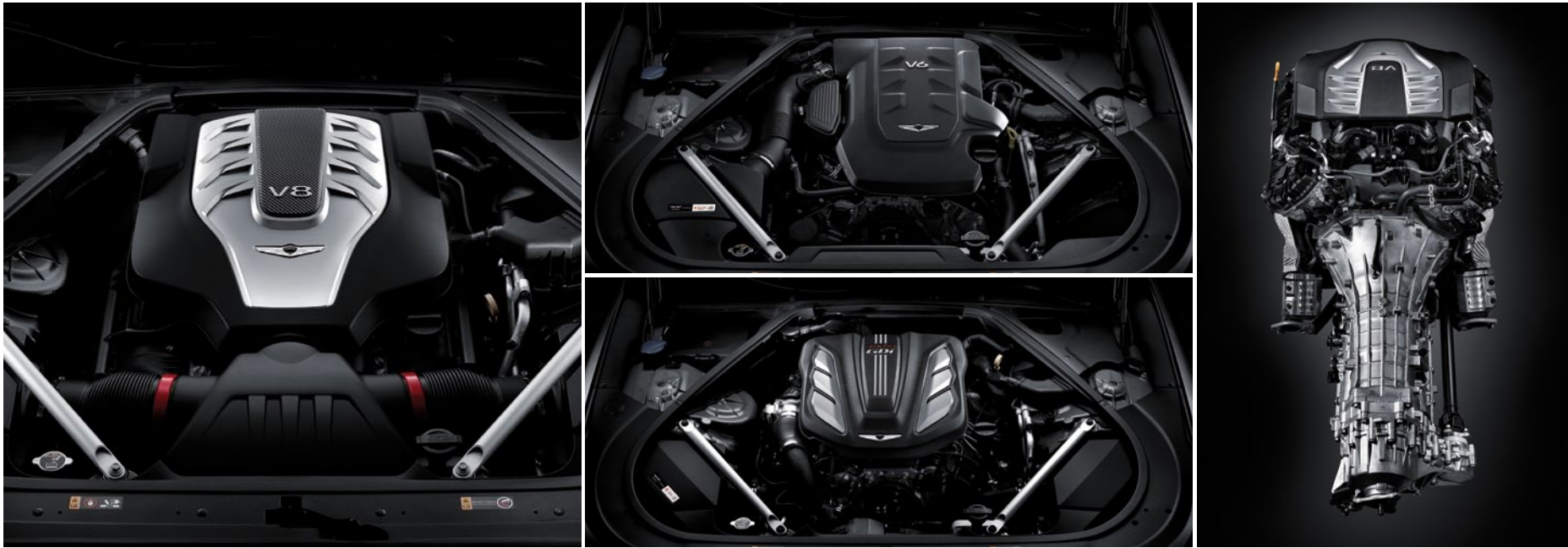
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51.7% Advanced high-strength steels (AHSS)

HTRAC All-wheel drive system

PERFORMANCE THAT IS OPTIMIZED TO HANDLE EVERY DRIVING CONDITION

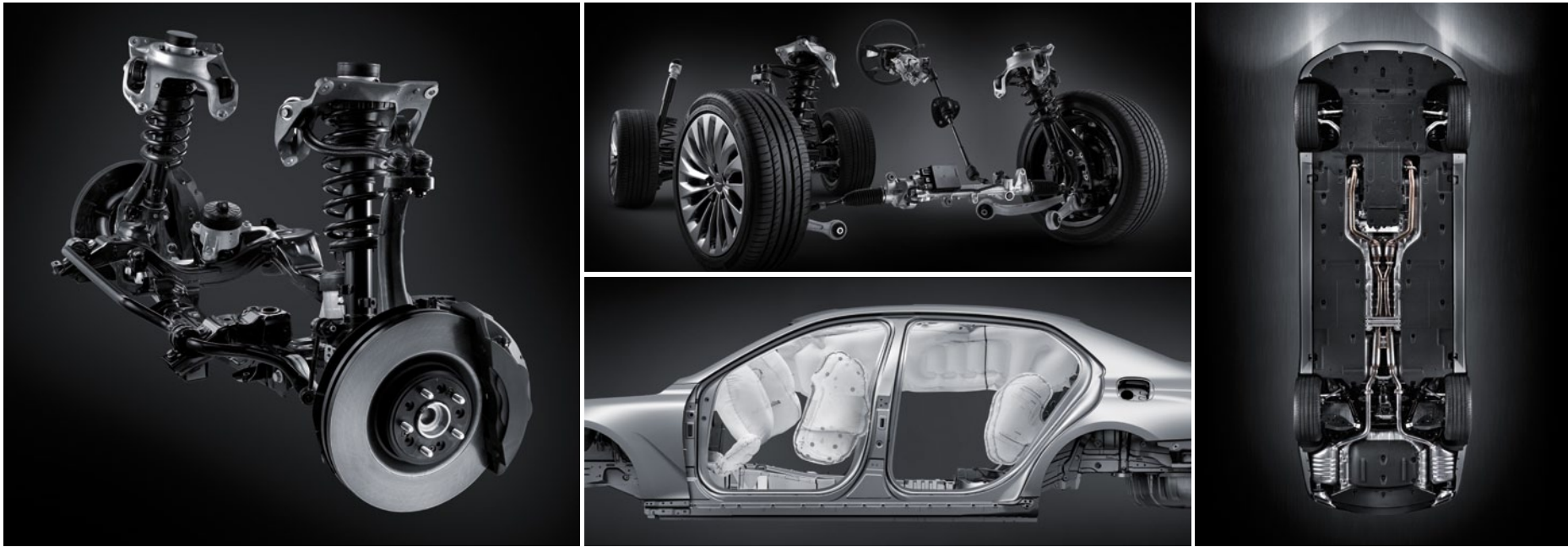


A. 5.0 V8 GDi gasoline engine
A high displacement V8 engine with maximum output of 413 ps at 6,000 rpm and maximum torque of 51.5 kg-m at 5,000 rpm delivers exceptional comfort and silence while generating maximum torque even at low and medium speeds.

B. 3.8 V6 GDi gasoline engine
This engine, with maximum output of 308 ps at 6,000 rpm and maximum torque of 39.9 kg-m at 5,000 rpm, balances dynamism and comfort with abundant power from dramatically improved output at practical speeds.

C. 3.3 V6 Turbo-GDi gasoline engine
With maximum output of 370 ps at 6,000 rpm and maximum torque of 52.0 kg-m at 1,300 to 4,500 rpm, this engine delivers powerful acceleration and overwhelming torque for an exceptional drive while maintaining fuel efficiency.

D. 8-speed automatic transmission
Optimized weight and transfer efficiency improve the smoothness of shifting and acceleration, as well as fuel efficiency. A single cage body construction significantly reduces noise and vibration.



E. Genesis adaptive control suspension (GACS)
Integrated chassis control fused with electronically-controlled air suspension provides handling stability and driving comfort worthy of a premium sedan. Genesis adaptive control suspension (GACS), a high-performance suspension control system that distributes front and rear damping forces in dangerous, unstable situations, helps prevent collisions.

F. Direct steering system
Rack-motor driven power steering (R-MDPS) and Variable gear ratio (VGR) enhance the instantaneous response, stability, and agility of steering.

G. 9-airbag system
9 airbags (driver airbag, driver knee airbag, passenger airbag, and front-side, rear-side, and curtain airbags on each side) protect passengers against collisions from all directions.

H. Aerodynamic construction
G90 simultaneously improved drag and lift, driving stability, and fuel economy by optimizing the aerodynamic design of each body part. It delivers exceptional silence through 360-degree N.V.H. measures, such as sound-proof glass, optimized body construction, and all-around application of noise absorbing and blocking materials.

INTELLIGENT TECHNOLOGY THAT IS A STEP AHEAD



A	B
	C

A. Adaptive front lighting system (AFLS) with LED headlamps

Adaptive front lighting system (AFLS) with LED headlamps greatly improve lateral visibility by automatically adjusting the illumination angle of low beams according to travel speed. General mode is active while traveling at speeds under 115 km/h on urban or local roads, and high speed mode is activated when traveling on highways at speeds greater than 115 km/h. In addition, Dynamic bending light (DBL) automatically swivels low beams left or right following the turning of the steering wheel for safer driving at night.

B. Dynamic bending light (DBL) with HID headlamps

HID headlamps include the Dynamic bending light (DBL) function that swivels headlamps together with the turn of the steering wheel to minimize blind spots while driving at night.

C. Smart high beam (SHB)

Smart high beam (SHB) is a smart headlamp control system that automatically turns on or off high beams by recognizing light sources from oncoming vehicles or vehicles in front to promote safety while driving on dark roads.



D	E	F
		G

D. Blind spot detection (BSD)

A built-in sensor in the rear bumper alerts the driver with a signal and alarm when a vehicle approaches the back of the car within a certain distance. It is effective to avoid vehicles that approach the car from the back or from blind spots at high speeds.

E. Autonomous emergency braking (AEB)

Radar and camera sensors detect vehicles in front of the car, sounding an alarm to alert the driver and engaging emergency brakes automatically to avoid collisions and minimize damage to the driver and vehicle.

F. Smart cruise control (SCC)

A radar in the front of the car monitors distance from vehicles in front and automatically maintains a selected speed and relative distance without the driver's manipulation of the accelerator and brakes.

G. Lane departure warning system (LDWS)

Lane departure warning system (LDWS) is a convenient function that uses a camera mounted on the top part of the front windshield to discern traffic lanes and alert the driver in real time when a lane change is made without using turn signals.



TRANSCENDING THE CONCEPT OF CAR AND SPACE, RESPECTING BOTH DRIVER AND PASSENGERS,
G90'S SINGLE-MINDED FOCUS HAS ALWAYS BEEN PEOPLE.
SEE THE TRANSFORMATION OF YOUR DAILY LIFE ABOARD G90'S INTELLIGENT JOURNEY.

SAVOR THE PLEASURE OF DRIVING EVERY SINGLE MOMENT.

The thoughtful layout and effortless operation developed through the careful analysis of drivers' behaviors, the soft touch of genuine aluminum that envelops and encases every switch, the genuine opulence conveyed by real wood

and natural leather, and the magnificent comfort of prime Napa leather... G90 scrutinized every detail to recreate the comfort and serenity of a luxurious lounge in a vehicle.







BASK IN THE ULTIMATE IN COMFORT ALL THE TIME.

From the shape, material, finish, and controls of seats to the entertainment system, premium sound, and air conditioning that can be manipulated from the back, G90's comforts are focused on the rear seats and can be

indulged in tranquility as a result of reinforced N.V.H. (Noise, Vibration, Harshness) measures. Because every detail is centered around you, you can always enjoy the ultimate in comfort in G90.





AGR (Aktion Gesunder Rücken, Germany) Certification
Campaign for Healthier Backs, or Aktion Gesunder Rücken e.V., bestows its international seal of approval to outstanding back-friendly products, such as car seats, after rigorous evaluation by its panel of orthopedic surgeons.

ORIGIN

ENDLESS RESEARCH TO ACHIEVE THE ULTIMATE IN COMFORT.
G90'S INTRICATE AND METICULOUS JOURNEY IS ALWAYS IN TOUCH WITH HUMAN NEEDS.

The vivid graphics of the high resolution 7" TFT LCD supervision cluster reveal G90's inherent luxury. The layout of navigational information, fuel and mileage information, and operational information of the car's driver assistance systems displayed through the cluster has been optimized to boost efficiency, visibility, and recognition. Rear and side alert information, Smart cruise control (SCC) information, and navigational information projected by the Head-up display (HUD) have also been effectively divided into sections to improve visibility, expedite recognition, and minimize distractions.



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HUD Head-up display

7" Supervision cluster with full color TFT LCD

INTELLIGENT TECHNOLOGY READY TO ASSIST YOUR EVERY MOVE



A. Around view monitoring (AVM) system

Around view monitoring (AVM) system uses 4 HD-quality cameras mounted on the exterior of the vehicle to display a 360 degree view of the surroundings, including blind spots in the front, back, and side, as if overlooking the vehicle. Image quality is significantly improved with smooth composite images that have no dividing lines around the boundaries. It promotes safe driving by displaying lines that guide steering and revealing information that otherwise may not have been seen by the driver.

B. Parking assist system (PAS)

Parking assist system (PAS) facilitates parking and prevents collisions by sounding an alarm and projecting a warning sign on the display. It gauges distance from surrounding obstacles while parking or moving in reverse, using ultrasonic sensors imbedded in the front and rear bumpers of the vehicle.



C. 12.3" color TFT panoramic display

A 12.3" high-resolution panoramic display provides exceptional visibility with a wide viewing angle and broad range of brightness. Navigational and media information can be conveniently seen through an expanded or split screen. An uncluttered screen helps the driver find and manipulate menus easily.

D. Driver information system (DIS)

The optimum combination of an integrated jog dial control, ideal grouping of switches, and display screen facilitates intuitive operation.

E. Shift-by-wire transmission system

The electronic Shift-by-wire system improves the comfort, smoothness, and responsiveness of the gear shift while reducing noise and vibration.

INTELLIGENT TECHNOLOGY CENTERED AROUND YOU



A. Driver attention alert (DAA)

Driver attention alert (DAA) has been intelligently programmed to promote safe driving by activating an alarm and flashing a pop-up message encouraging the driver to take a break when it sees the need for caution. It looks for signs from the vehicle, such as steering angle and steering torque, and comprehensively monitors factors such as lane position and driving patterns to gauge the driver's level of alertness and fatigue.

B. Wireless smartphone charging pad

Smartphones can be easily charged by placing them on a built-in charging pad. A convenient alert function notifies the driver when the car is vacated with the phone on the pad.

*For smartphones with wireless charging capabilities only.

C. Premium sound system

G90's Lexicon speakers reproduce high quality sounds that are close to the original. The 17 speaker option includes a large subwoofer and an acoustic lens that deliver richer sounds, while premium stainless steel grilles enhance the luxurious ambience.



D. Modern ergo seats

Modern ergo seats certified by AGR (Aktion Gesunder Rücken, Germany) in the front and back can be adjusted in 22 and 14 directions respectively, allowing shoulder slope, front bolster, and headrest adjustments to provide the ultimate in seating comfort.

E. Rear seat entertainment system

Media content can be seen and navigational information can be managed simultaneously from the rear seats through large, 9.2", wide-viewing-angle dual monitors. A monitor tilting function allows rear seat passengers to adjust the angle of monitors when front seatbacks are reclined for greater viewing comfort.

F. Remote control panel for rear seats

Repositioned front and rear seat control switches facilitate their usage. Rationalized placement of the integrated jog dial, AV, and air conditioning controls offer greater convenience.

G. Seat warming & air cooling ventilation

Seat ventilation integrated into seat backs and cushions improve comfort during the summer, while seat warmers improve coziness during the winter.

G90'S PURSUIT HAS BEEN A SINGLE-MINDED JOURNEY FOCUSED ON PEOPLE.
ITS ENDLESS INTELLIGENT JOURNEY WILL STRIVE TO ALWAYS BE A PART OF YOUR LIFE.



AN ABUNDANT MIXTURE OF FINE FEATURES PROVIDE INTELLIGENT SOPHISTICATION



- A. Hood emblem**
The design of Genesis' wing-type emblem has been upgraded with fine details to better represent the brand's innovative progress and soaring spirit.
- B. LED headlamps**
Slick headlamps with 3-dimensional light sources enhance the luxurious appearance of G90's frontal design and maximizes opulence to match this top-of-the-line model.
- C. LED daytime running lights (DRL)**
Daytime running lights (DRL) help pedestrians and opposite lane drivers to mind the vehicle.
- D. LED outside mirror repeaters**
Stylishly designed LED repeaters, mounted on large, flag-type outside mirrors that reinforce the presence of this full-size sedan, promote safe driving while projecting a more elegant image.

- E. Radiator grille**
The broad and magnificent Crest grille reflects Genesis' family look and catches the eye.
- F. Outside handles**
A touch-sensing system automatically unlocks doors when outside handles are pulled while carrying the smart key, providing thoughtful consideration even in the smallest of details.
- G. Puddle lamps**
Puddle lamps automatically light up when the car is approached with the smart key, facilitating the opening of doors and entry into the vehicle. A G90 logo illuminated on the ground adds a special touch.
- H. Dual mufflers**
Dual mufflers with superior exhaust performance are integrated into the bumper.



- I. Double sound-proof glass**
Double sound-proof glass on all windows provide best-in-class sealing performance and interior silence for a peaceful ride under any driving condition.
- J. Beltline molding**
Beltline molding with a sporty and elegant chrome finish accentuate the vehicle's sophisticated lateral design and conveys the understated luxury of a full-size sedan.
- K. Power door system**
Sensors detect and automatically close doors that are not fully shut for the safety of passengers.
- L. Smart trunk system**
The trunk lid opens automatically when standing near the back of the vehicle with the smart key for about 3 seconds, providing convenient access when both hands are full.

- M. Rear garnish**
Chrome finish on the top of the rear garnish conveys a sense of understated luxury.
- N. LED rear combination lamps**
A functional, curved design complete the side profile of the vehicle to improve aerodynamic performance while conveying a powerful yet elegant image.
- O. 18" alloy wheels (Full medium metallic gray)**
Large-diameter, multi-spoke alloy wheels with a light weight, low noise construction convey a distinguished, high performance image.
- P. 19" alloy wheels (Semi glossy sputtering)**
Large-diameter, multi-spoke alloy wheels have an innovative hollow construction that dramatically reduces weight and acoustic resonance.

THOUGHTFULLY CREATED INTERIOR DETAILS DELIVER SUPERIOR COMFORT



A. Electronic chromic mirror (ECM)

Electronic chromic mirror (ECM) softens glare from vehicles in the back while driving at night. Its inverted trapezoidal shape improves visibility by mimicking the shape of the rear glass when viewed.

B. Heated steering wheel

Drivers can choose between 2 steering wheel temperature settings to enjoy pleasant warmth.

C. Analog clock

An elegant and intuitive analog clock enhances the refined image of the interior.

D. Smart drive mode control system

Real time monitoring of acceleration and handling automatically selects the optimal driving mode (eco, comfort or sport) to match the driving situation.

E. Integrated memory system (IMS)

Integrated memory system (IMS) in every seat allows passengers to save their preferred seat position settings and reproduce them at the touch of a button.

F. Seat folding system

Passengers in the rear seats can operate the seat folding system from the back to fold, slide, and tilt the front seat and conveniently amplify space and increase visibility for greater comfort.

G. Floor console

A floor console in the front seating area provides storage for items that require quick and easy access.

H. Rear seat console

A rear seat console provides greater storage convenience to rear seat passengers.



I. Auto defogging system

A built-in sensor ensures visibility by continuously monitoring humidity on the inner surface of the windshield and automatically activating the air conditioner to prevent fogging.

J. Remote window

Open windows can be conveniently closed with the Smart key even if the engine has been shut off.

K. LED room lamps

Lit or unlit, crystal-shaped LED room lamps convey a luxurious interior image.

L. Mood lamps

LED indirect lighting mood lamps on door trims and the crash pad offer a selection of 7 colors and brightness adjustment for the creation of unique moods in G90.

M. Smart air conditioning system (ADS/CO₂ sensor)

The smart air conditioning system monitors temperature, humidity, and CO₂ levels in the cabin in real time even when ventilation is turned off to ensure air freshness and comfort.

N. Advanced 3 zone air conditioner

Independent blowers and wind direction control ducts boost the comfort of rear seat passengers.

O. Electric rear door curtains

Electronically controlled rear door curtains conveniently block harmful UV rays and maintain privacy.

P. Electric backlite curtain

The backlite curtain can be operated electronically at the touch of a button.

INTERIOR TRIMS



Leather

Nappa leather

Wood grain (Brown birch)

Real wood (Walnut)

Black one-tone



Leather

Nappa leather

Wood grain (Brown oak)

Real wood (Vavona)

Brown + Black two-tone



Leather

Nappa leather

Wood grain (Brown oak)

Real wood (Vavona)

Beige + Brown two-tone

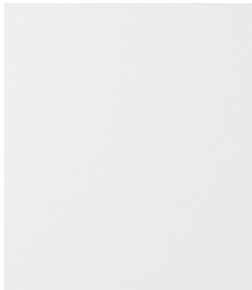


Nappa leather

Real wood (Black ash)

Indigo blue + Beige two-tone

EXTERIOR COLORS



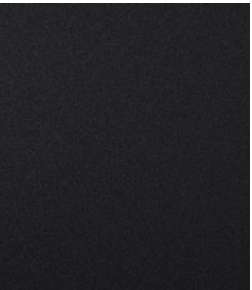
YW6 Marble white



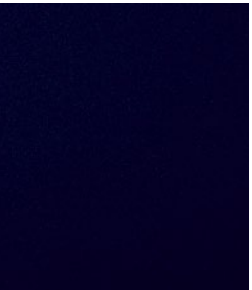
Y6S Platinum silver



TG6 Fine titanium



YG6 Cosmo gray



SU6 Neptune blue



SY6 Gold scent



YN6 Tan brown



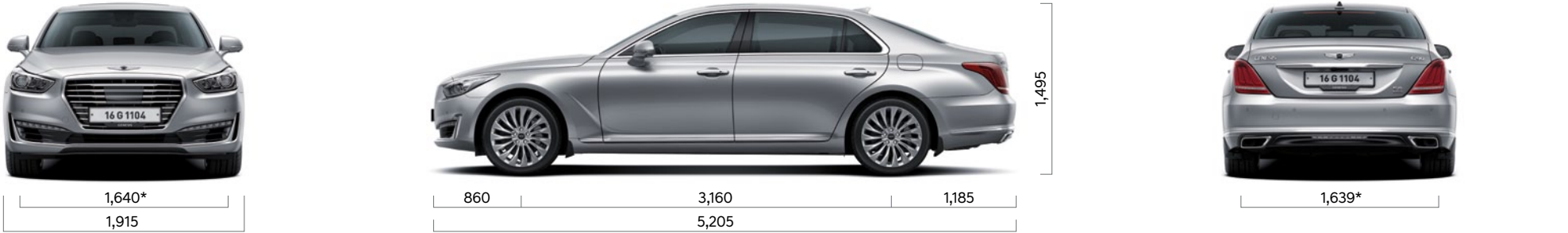
YB6 Onyx black

SPECIFICATIONS

Type			5.0 V8 GDi gasoline engine	3.8 V6 GDi gasoline engine	3.3 V6 T-GDi gasoline engine
Dimensions (mm)	Exterior	Overall length (mm)		5,205	
		Overall width (mm)		1,915	
		Overall height (mm)		1,495	
		Wheel base (mm)		3,160	
		Wheel tread (mm)	Front	18" : 1,630 / 19" : 1,640	
			Rear	18" : 1,659 / 19" : 1,639	
	Interior	Head room (mm)	Front	1,045	
			Rear	966	
		Leg room (mm)	Front	1,175	
			Rear	960	
		Shoulder room (mm)	Front	1,500	
			Rear	1,470	
Engine	Engine type		DOHC with Dual CVVT		
	Displacement (cc)		5,038	3,778	3,342
	Max. Power (ps / rpm)		413 / 6,000	308 / 6,000	370 / 6,000
	Max. Torque (kg.m / rpm)		51.5 / 5,000	39.9 / 5,000	52.0 / 1,300~4,500
Brakes			Dual-diagonal, split-circuit, power-assisted braking system with EBD, ESP System : Standard		
Suspension			Multi-link		
Tire	Standard	Front : 245 / 45 R19, Rear : 275 / 40 R19		245 / 50 R18	245 / 50 R18
	Option	-		Front : 245 / 45 R19, Rear : 275 / 40 R19	Front : 245 / 45 R19, Rear : 275 / 40 R19
Fuel tank (liter)			83		

- The above values are results from internal testing and are subjected to change after validation.
- Some of the equipment illustrated or described in this catalog may not be supplied as standard equipment and may be available at extra cost.
- Hyundai Motor Company reserves the right to change specifications and equipment without prior notice.
- The color plates shown may vary slightly from the actual colors due to the limitations of the printing process.
- Please consult your dealer for full information and availability on colors and trims.

DIMENSIONS



* Wheel tread • 18" alloy wheel (Front/rear) : 1,630/1,659 • 19" alloy wheel (Front/rear) : 1,640/1,639



GENESIS motors
<http://www.genesismotors.com>
ME. LHD 1605 English. KM-KM
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