

2020 Sonata HEV Specifications

Hyundai Motor America
10550 Talbert Avenue, Fountain Valley, CA 92708

HyundaiNews.com

HyundaiUSA.com

| MECHANICAL | |
|---|--|
| Engine Lineup | Hybrid |
| Nu Product Enhancement Engine Aluminum block and heads | S |
| 2.0L GDI DOHC 16-valve Inline 4-cylinder (1,999 cc) | 150 hp @ 6,000 rpm 139 lb.-ft. torque @ 5,000 |
| Bore & Stroke (mm) | 81 x 97 |
| Engine Features | Hybrid |
| Dual Continuously Variable Valve Timing (DCVVT) | S |
| Valves per Cylinder | 4 |
| Compression Ratio | 14.0 |
| Motor Mounts | Hydraulic & conventional rubber |
| Intake System | TIS |
| Recommended Fuel | Unleaded |
| Emissions Control System | SULEV30 |
| Catalytic Converter: Warm-up (WCC) + Under-floor (UCC) | S |
| Electric Motor / Battery | Hybrid |
| Permanent magnet synchronous motor | S |
| Power Output | 39 kW (51 HP) @ 1,800–2,300 rpm |
| Torque Output | 151 lb.-ft. @ 0-1,800 rpm |
| Battery Type | Lithium-Ion Polymer |
| Voltage | 270V (max) |
| Battery Power Output | 56 kW |

2020 Sonata HEV Specifications

| MECHANICAL (cont'd) | | |
|-------------------------------|--|--------------------------------|
| Hybrid System Combined | | Hybrid |
| Combined Horsepower | | 192 hp |
| Electrical | | Hybrid / Plug-in Hybrid |
| Ignition System | | Electronic / Distributorless |
| Drive Configuration | | FWD |
| Transmission Type | 6-speed electronic automatic, shift lock and SHIFTRONIC™ manual shift mode | S |
| | Clutch Type | Engine clutch (wet clutch) |
| Gear Ratios (:1) | | AT |
| | 1 st | 4.639 |
| | 2 nd | 2.826 |
| | 3 rd | 1.841 |
| | 4 th | 1.386 |
| | 5 th | 1.000 |
| | 6 th | 0.772 |
| | Reverse | 3.385 |
| Final Gear Ratio | | 3.510 |

2020 Sonata HEV Specifications



| MECHANICAL (cont'd) | | |
|--|---|---|
| Brakes | | All |
| General | | Power-assisted w/ pressure proportioning valves |
| Front | Type Size (diameter) | Ventilated disc 12.0" |
| Rear | Type Size (diameter) | Solid disc 11.2" |
| ABS with Electronic Brake-force Distribution (EBD) | Number of Wheels Number of Channels Number of Sensors w/TCS | S 4 4 4 |
| Brake Assist | ESC-equipped models | S |
| Electronic Parking Brake | w/ Automatic Vehicle Hold | S |

2020 Sonata HEV Specifications

| MECHANICAL (cont'd) | | |
|--|---------------------|------------------|
| Steering | | All |
| Motor-Driven Power Steering | Column-mounted | S |
| Type | | Rack-and-Pinion |
| Power Assisted, Engine-RPM-Sensing | | S |
| Overall Ratio | | 13.27 |
| Turns (lock to lock) | | 2.6 |
| Turning Diameter (curb to curb, in feet) | | 36.1 |
| Suspension | | |
| Front | Type | MacPherson Strut |
| | Stabilizer Bar (mm) | 21.8 |
| | Gas Shock Absorber | S |
| Rear | Type | Multi-link |
| | Stabilizer Bar (mm) | 18 |
| | Gas Shock Absorber | S |

2020 Sonata HEV Specifications

MECHANICAL (cont'd)

| Body / Chassis | | Blue | SEL / Limited |
|--|----------------------------------|--|---|
| Type | | Unibody | |
| Materials | Primary | High-tensile Steel | |
| Wheels & Tires | | Blue | SEL / Limited |
| Wheels | 16 x 6.5J Aluminum Alloy | S | - |
| | 17 x 7.0J Aluminum Alloy | - | S |
| | |  16-in Alloy (Blue) |  17-in Alloy (SEL / Limited) |
| Tire Pressure Monitoring System (TPMS) | | S | S |
| Tires | P205/65R16 | S | - |
| | P215/55R17 | - | S |
| Spare Tire | Compact Temporary Use T125/80D16 | -(Tire Repair Kit) | S |

2020 Sonata HEV Specifications

| SAFETY/SECURITY | | | |
|--|---|-------------------------------------|------------|
| Restraint Systems | | | All Models |
| Advanced Airbags | Driver (1) | | S |
| | Front Passenger (1) | | S |
| | Driver's Knee (1) | | S |
| | Occupant Classification System (OCS) | | S |
| | Driver and Front Passenger Side-impact (4) | | S |
| | Side Air Curtains (front & rear passengers) (2) | | S |
| Driver Seatbelt | 3-point | Emergency Locking Retractor (ELR) | S |
| Passenger Seatbelt | 3-point | Convertible Locking Retractor (CLR) | S |
| Rear Seatbelts | 3-point | Convertible Locking Retractor (CLR) | S |
| Height Adjustable Front-seat Shoulder Belt Anchors | | | S |
| Front Seatbelt Pretensioners and Force Limiters | | | S |
| LATCH Lower Anchors (2 rear) and Upper Tether (3 rear) Anchors | | | S |
| Rear seat low-profile head restraints (rear, center, left) | | | S |
| Power Window Lock-out Button | | | S |

2020 Sonata HEV Specifications

| SAFETY/SECURITY (cont'd) | | | |
|--|------|-----|---------|
| Active Safety | Blue | SEL | Limited |
| Rearview Monitor | S | S | S |
| Blind-Spot Collision-Avoidance Assist (BCA) w/ Rear Cross-Traffic Collision Avoidance Assist | S | S | S |
| Blind-Spot View Monitor (BVM) | - | - | S |
| Forward Collision-Avoidance Assist (FCA) with Pedestrian Detection | S | S | S |
| Parking Collision-Avoidance Assist Rear (PCAA-R) | - | - | S |
| Rear Occupant Alert (Door logic Type) | S | S | S |
| Around View Monitor (AVM) | - | - | S |
| Front and Rear Parking Sensors | - | - | S |

2020 Sonata HEV Specifications

| SAFETY/SECURITY (cont'd) | |
|---|-------------------|
| Active Safety (cont.) | All Models |
| Lane Keeping Assist (LKA), Lane Follow Assist (LFA), Driver Attention Warning (DAW) | S |
| High Beam Assist | S |
| Vehicle Stability Management (VSM) w/ Traction Control System (TCS) | S |
| Anti-lock Braking System (ABS) w/ Electronic Brake-force Distribution (EBD) | S |
| Brake Assist | S |
| Tire Pressure Monitoring System (TPMS) w/ individual tire indicator | S |
| Passive Safety | All Models |
| NHTSA overall crash ratings | TBD |
| NHTSA frontal crash ratings (driver / passenger) | TBD |
| NHTSA side crash ratings (front / rear) | TBD |
| NHTSA rollover rating | TBD |
| Energy-absorbing Steering Column | S |
| Front and rear Crumple Zones | S |
| 5-MPH Bumpers | S |
| Hood Buckling Creases and Safety Stops | S |
| Bodyside Reinforcements | S |
| Shift Interlock System | S |
| Steering Wheel Locks When Key is Removed | S |
| Emergency Internal Trunk Release (Bright Yellow) | S |
| Anti-theft System integrated with Remote Keyless Entry System and Panic | S |
| Immobilizer | S |

2020 Sonata HEV Specifications

| DIMENSIONS | |
|----------------------------------|------------------|
| Exterior (inches) | All Trims |
| Wheelbase | 111.8 |
| Overall Length | 192.9 |
| Overall Width (excludes mirrors) | 73.2 |
| Overall Height | 56.9 |
| Tread Width (front/rear) | |
| 16-inch wheels | 64.3/63.9 |
| 17-inch wheels | 64.6/64.2 |
| Coefficient of Drag (Cd) | 0.24 |
| Minimum ground clearance (in.) | 5.3 |
| Interior (inches) | All Trims |
| Head Room (front/rear) | 40.0/38.4 |
| Leg Room (front/rear) | 46.1/34.8 |
| Shoulder Room (front/rear) | 57.9/56.1 |
| Hip Room (front/rear) | 54.6/54.4 |
| Volume (cubic feet) | All Trims |
| Passenger Compartment | 104.4 |
| Cargo (Trunk) | 16.0 |
| Total | 120.4 |

2020 Sonata HEV Specifications

| CAPACITIES | | | | |
|---|------------------------|-----------------|---------------|---------------|
| Capacities | | All | | |
| Fuel Tank (gallons) | | 13.2 | | |
| Engine Oil (quarts) | | 5.5 | | |
| Engine Coolant (quarts) | | 3.0 | | |
| WEIGHTS & FUEL ECONOMY | | | | |
| Weights | | Blue | SEL | Limited |
| Curb (lbs.) | | 3,325 – 3,530 | 3,404 – 3,530 | 3,505 – 3,530 |
| GVWR (lbs.) | | 4519 | | |
| Maximum Towing /Trailer Capacity (lbs.) | | Not Recommended | | |
| Fuel Economy/EPA/Performance | | | | |
| Emissions | SULEV 30 | S | | |
| Greenhouse Gas Rating | | TBD | | |
| City/Hwy/Combined | Automatic Transmission | 50/54/52 | 45/51/47 | 45/51/47 |
| EPA Classification | | Large Car | | |