

2023 Santa Fe Specifications

Hyundai Motor America
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MECHANICAL			
Engine Lineup	SE/SEL/XRT ICE	Blue/SEL /Limited HEV & PHEV	Limited/Calligraphy ICE
Smartstream 2.5L GDI + MPI DOHC 16-valve Inline 4-cylinder (2,497 cc)	S	-	-
Smartstream 2.5L Turbo GDI + MPI DOHC 16-valve Inline 4-cylinder (2,497 cc)	-	-	S
Smartstream 1.6L Turbo GDI DOHC 16-valve Inline 4-cyl (1,598 cc); HEV/PHEV	-	S	-
Engine Features	2.5L	1.6T HEV/PHEV	2.5T
Hood insulator	S	S	S
Block / Head Composition	Aluminum	Aluminum	Aluminum
Horsepower (HP)	191 @ 6100 rpm	178 @ 5500 rpm	281 @ 5800 rpm
Torque (lb-ft)	181 @ 4000 rpm	195 @ 1500~4500	311 @ 4000 rpm
Bore & Stroke (mm):	88.5 X 101.5	75.6 X 89.0	88.5 X 101.5
Compression Ratio	13.0 : 1	10.5 : 1	10.5 : 1
Idle Stop & Go	S	-	S
Intake System	Naturally Aspirated	Turbo Charging	Turbo Charging
Fuel System	Gasoline Direct Injection (GDI)	Gasoline Direct Injection (GDI)	Gasoline Direct Injection (GDI)
Recommended Fuel	Regular Unleaded	Regular Unleaded	Regular Unleaded
Emissions Control System	SULEV30	ULEV70	ULEV70
Exhaust	Single tip	Single tip	Single tip

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Electric Motor / Battery	Hybrid	Plug-In Hybrid
Permanent magnet synchronous motor	S	S
Total Combined Power System Output (inc gas engine and electric motor)	226hp	261hp
Power Output (electric motor) Torque Output	44.2 kW (est. 60 HP) 1600-2100rpm 195 lb. ft.	66.9kW (est. 90 HP) 2100-3300prn 224 lb. ft.
Battery Type	Lithium-Ion Polymer	Lithium-Ion Polymer
Voltage	270V (max)	360V (max)
Battery System Capacity	1.49 kWh	13.8 kWh
On-Board Charging Capacity	-	3.6kWh
Estimated Charge Time	-	Level 1 (120V): TBD Level 2 (240V): ~4 Hours
Drivetrain	HTRAC AWD	HTRAC AWD

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MECHANICAL (cont'd)				
Electrical		2.5L	1.6T HEV/PHEV	2.5T
Ignition system	Type	Distributorless		
Starter	Rating	12V, 1.4kW	-	12V, 1.4kW
Alternator	Rating	13.5V, 150A	-	13.5V, 150A
Transmission and Drive System		2.5L	1.6T HEV/PHEV	2.5T
Drive configuration & AWD Torque Distribution	FWD	S	-	S
	HTRAC AWD active on-demand	Normal 100:0 ~ 50:50	O	S
		AWD Lock 80:20 ~ 50:50		
Drive Mode Select	Center-console mounted	O	S	S
Transmission type	6-speed automatic (A6MF2H-2)	-	S	-
	8-speed automatic (A8MF1)	S	-	-
	8-speed dual clutch (wet-type) (D8LF1)	-	-	S
	SHIFTRONIC® manual shift paddle shifters	S	S	S
	Shift-By-Wire (SBW)	S	S	S
Gear ratios		2.5L FWD/AWD	1.6T AWD	2.5T FWD/AWD
	1 st	4.487	4.639	3.429
	2 nd	2.764	2.826	2.217
	3 rd	1.773	1.841	2.217
	4 th	1.388	1.386	1.621
	5 th	1.208	1.000	0.860
	6 th	1.000	0.772	0.673
	7 th	0.799	-	0.791
	8 th	0.635	-	0.653
	Reverse	3.801	3.385	3.697
Final gear ratio (FWD/AWD)		3.798/4.081	3.510	3.316

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MECHANICAL (cont'd)		
Brakes		All Models
Front	Type	Ventilated Disc
	Size (diameter, in) (2.5L/2.5L Turbo)	12.8" (13.6")
Rear	Type	Solid Disc
	Size (diameter, in)	12.0"
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels	S 4
	Number of Channels	4
	Number of Sensors	4
Downhill Brake Control (DBC)	Driver Selectable	S
Hillstart Assist Control (HAC)		S
Brake-Booster	11.0"	S
	Boosting Ratio	10.0 : 1
Brake Assist		S
Parking Brake	Type	Electric with Auto Vehicle Hold
Trailer Sway Control		S
Steering		All models
Motor Driven Power Steering (MDPS) Rack and pinion steering, column-mounted		S
Overall Ratio		13.7
Turns (lock to lock)		2.6
Turning Diameter (curb to curb, in feet)		37.4

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MECHANICAL (cont'd)

Suspension		All Models
Front	Type	MacPherson strut with coil springs
	Stabilizer Bar	S
	Gas-pressurized shock absorbers, advanced valving	S
Rear	Type	Multi-link Independent, separated spring & shocks
	Stabilizer Bar	S
	Self-Levelling suspension	-
	Gas-pressurized shock absorbers, advanced valving	S
Body/Chassis		All Models
Type		Unibody (Monocoque body)
Materials	Primary	High strength steel

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DIMENSIONS/WEIGHTS/CAPACITIES	
Exterior (inches)	All
Wheelbase	108.9
Overall length	188.4
Overall width	74.8
Overall height (with roof side rails)	66.3 (67.3)
Tread width- 17"/18"/19"/20" (front)	65.0/64.8/64.8/64.5
Tread width- 17"/18"/19"/20" (rear)	65.4/65.2/65.2/64.8
Overhang (front/rear)	37.2 / 42.3
Minimum ground clearance	8.2
Coefficient of drag (cd)	0.33
Roof rails load capacity	220 lbs.
Interior (in)	All
Head room (front / 2 nd row (w/sunroof))	41.2 (39.5) / 39.0 (37.8)
Leg room (front / 2 nd row)	44.1 / 41.7 (HEV 40.8) (PHEV 39.5)
Shoulder room (front / 2 nd row)	59.1 / 58.3
Hip room (front / 2 nd row)	57.5 / 56.3

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DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)					
Weights		2.5L	1.6T HEV	1.6T PHEV	2.5T
Curb weight FWD/AWD (lbs.)		TBD	TBD	TBD	TBD
GVWR FWD/AWD (lbs.)		TBD	TBD	TBD	TBD
Maximum trailer weight (lbs.)	With trailer brakes	2,000	2,000	2,000	3,500
	Without trailer brakes	1,650	1,650	1,650	1,650
Trailering pre-wiring		S	S	S	S
Capacities		All			
Fuel tank (gallons)		17.7 (ICE/HEV) / 12.4 (PHEV)			
SAE Volume (cubic feet)		ICE	HEV	PHEV	
Total interior volume		147.9	146.6	144.9	
Passenger interior volume		111.5	110.2	108.5	
Cargo capacity, behind front seats		72.1	72.1	72.1	
Cargo capacity, behind 2 nd row		36.4	36.4	36.4	

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Fuel Economy / Emissions

Fuel Economy / EPA / Performance		SE/SEL/XRT ICE	Blue HEV	SEL Prem/Limited HEV	SEL Conv/Limited PHEV	Limited/ Calligraphy ICE
Fuel economy City/Highway/Combined	FWD	TBD	-	-	-	TBD
	AWD	TBD	36/31/34	33/30/32	TBD	TBD
Electric	Miles Per Gallon – equivalent (MPGe)	-	-	-	TBD	-
	All-Electric Range (miles)	-	-	-	TBD	-
Smog score		TBD	7	7	TBD	TBD
Global warming score (FE/GHG rating)		TBD	7	6	TBD	TBD

Towing Reference Guide

Model Years	Model	Towing Capacity (w/ trailer brakes)	Towing Capacity (w/o trailer brakes)	Trailer Prep Package included?	Trailer Sway Control?	Auto-Leveling Rear Suspension?	Equipment included for trailering
2019-	Santa Fe 2.4, 2.5	2,000	1,650				<ul style="list-style-type: none"> Pre-wiring only
2019-	Santa Fe 2.0T, 2.5T	3,500	1,650	Yes	(2021MY) Yes All trims STD		<ul style="list-style-type: none"> Pre-wiring Heavy-duty transmission oil cooler
2021-	Santa Fe 1.6T HEV/PHEV	2,000	1,650	Yes	Yes		<ul style="list-style-type: none"> Pre-wiring only

Other Notes:

- All trailer prep packages are provisioned for a 4-pin trailer wiring system (unless otherwise noted)
- There is no specific provision for brake controller wiring
- Tongue load recommendations follow industry practice and safety guidelines and are noted in the owner's manual for each respective vehicle
- Specifications for towing capacities and trailering equipment is for the United States market only