

2021 Santa Fe Specifications

Hyundai Motor America
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MECHANICAL

Engine Lineup	SE/SEL	SEL HEV/Limited HEV	Limited/Calligraphy
Smartstream 2.5L GDI + MPI DOHC 16-valve Inline 4-cylinder (2,497	S	-	-
Smartstream 2.5L Turbo GDI + MPI DOHC 16-valve Inline 4-cylinder	-	-	S
Smartstream 1.6L Turbo GDI DOHC 16-valve Inline 4-cyl (1,598 cc);	-	S	-
Engine Features	2.5L	1.6T HEV	2.5T
Hood insulator	S	S	S
Block / Head Composition	Aluminum	Aluminum	Aluminum
Horsepower (HP)	191 @ 6100 rpm	178 @ 6000 rpm	277 @ 6000 rpm
Torque (lb-ft)	182 @ 4000	195 @ 4000	311 @ 3500
Bore & Stroke (mm):	85.5 X 101.5	75.6 X 89.0	86 X 86
Compression Ratio	13.0 : 1	10.5 : 1	10.0 : 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
Permanent magnet synchronous motor	S
Power Output	44.2 kW (est. 59 HP) @ 1,600–2,000 rpm
Torque	195 lb.-ft. @ 0-1,600 rpm
Battery Type	Lithium-Ion Polymer
Voltage	270V (max)
Battery System Capacity	1.49 kWh
Battery Power Output	64 kW

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MECHANICAL (cont'd)

Electrical		2.5L	1.6T HEV	2.5T		
Ignition system	Type	Distributorless				
Starter	Rating	12V, 1.4kW	TBD	12V, 1.4kW		
Alternator	Rating	13.5V, 150A	TBD	13.5V, 150A		
Transmission and Drive System		2.5L	1.6T HEV	2.5T		
Drive configuration & AWD Torque Distribution	FWD	S	-	S		
	HTRAC AWD active on-demand	Normal 100:0 ~ 50:50	S	O		
		AWD Lock 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 mode	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 2 nd 3 rd 4 th 5 th 6 th 7 th 8 th Reverse	TBD	4.639 2.826 1.841 1.386 1.000 0.772 - - 3.385	TBD		
Final gear ratio			TBD		3.510	TBD

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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
	Number of Channels	4
	Number of Sensors	4
	Number of Sensors	4
Downhill Brake Control (DBC)	Driver Selectable	AWD Only
Hillstart Assist Control (HAC)		S
Brake-Booster	11.0"	S
	Boosting Ratio	9.0 : 1 TBD
Brake Assist		S
Parking Brake	Type	Electronic with Auto Vehicle Hold
Trailer Sway Assist		S
Steering		All models
Motor Driven Power Steering (MDPS) Rack and pinion steering, column-mounted		S TBD
Overall Ratio		13.8 : 1
Turns (lock to lock)		2.8 TBD
Turning Diameter (curb to curb, in feet)		37.5

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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)	0.34
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)
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	2.5T
Curb weight FWD/AWD (lbs.)		TBD	4,204	TBD
GVWR FWD/AWD (lbs.)		TBD	5,578	TBD
Maximum trailer weight (lbs.)	With trailer brakes	2,000	2,000	3,500
	Without trailer brakes	1,650	1,650	1,650
Trailer pre-wiring		S	TBD	S
Capacities		All		
Fuel tank (gallons)		18.8 / 17.7 (HEV)		
SAE Volume (cubic feet)		All		
Total interior volume		TBD		
Passenger interior volume		TBD		
Cargo capacity, behind front seats		72.1		
Cargo capacity, behind 2 nd row		36.4		
Fuel Economy / EPA / Performance		SE/SEL ICE	SEL/Limited HEV	Limited/Calligraphy ICE
		2.5L Engine	1.6L Engine	2.5T Engine
Fuel economy City/highway/combined	FWD	TBD	TBD	TBD
	AWD	TBD	TBD	TBD
Emission Standard (FWD/AWD)		SULEV 30	TBD	ULEV 70
Smog score		TBD	TBD	TBD
Global warming score (FE/GHG rating)		TBD	TBD	TBD