

MECHANICAL		
Engine Lineup	SE/SEL/XRT/Limited/Calligraphy	SEL /Limited /Calligraphy HEV
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	-	S
Engine Features	2.5T	1.6T HEV
Hood insulator	S	S
Block / Head Composition	Aluminum	Aluminum
Horsepower (HP)	277@ 5800 rpm	178 @ 5500 rpm
Torque (lb-ft)	311 @ 4000 rpm	195 @ 1500~4500
Bore & Stroke (mm)	88.5 X 101.5	75.6 X 89.0
Compression Ratio	11 : 1	10.5 : 1
Idle Stop & Go	S	-
Intake System	Turbo Charging	Turbo Charging
Fuel System	Gasoline Direct Injection (GDI)	Gasoline Direct Injection (GDI)
Recommended Fuel	Regular Unleaded	Regular Unleaded
Emissions Control System	SULEV_30	SULEV_30
Exhaust	Single tip	Single tip (Hidden Type)

2024 Santa Fe Specifications

MECHANICAL	
Electric Motor / Battery	Hybrid
Permanent magnet synchronous motor	S
Total Combined Power System Output (inc. gas engine and electric motor)	231 hp
Power Output (electric motor) Torque Output (electric motor)	44.2 kW (est. 60 HP) 1600-2100 rpm 195 lb. ft.
Total Combined Torque System Output	271 lb.-ft. @ 1,000 – 4,100 rpm
Battery Type	Lithium Ion
Voltage	270V (max)
Battery System Capacity	1.49 kWh
Drivetrain	FWD or HTRAC AWD

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MECHANICAL (cont'd)				
Electrical			2.5T	1.6T HEV
Ignition system	Type		Distributorless	
Starter	Rating		12V, 1.4kW	HSG (13kw)
Alternator	Rating		13.5V, 150A	
Transmission and Drive System			2.5T	1.6T HEV
Drive configuration & AWD Torque Distribution	FWD		S	S
	HTRAC AWD active on-demand	Comfort / Eco / Sports / Smart: 100:0 ~ 50:50	O	O
		Snow: 80:20 ~ 50:50		
		Sand/Mud: 50:50		
		AWD Lock: 50:50		
Drive Mode Select	Center-console mounted		S	S
Transmission type	6-speed automatic (A6MF2H-2)		-	S
	8-speed dual clutch (wet-type) (D8LF1)		S	-
	SHIFTRONIC® manual shift paddle shifters		S	S
	Shift-By-Wire (SBW)		S	S
Gear ratios			2.5T FWD/AWD	1.6T AWD
	1 st		3.429	4.639
	2 nd		2.217	2.826
	3 rd		2.217	1.841
	4 th		1.621	1.386
	5 th		0.860	1.000
	6 th		0.673	0.772
	7 th		0.791	-
	8 th		0.653	-
	Reverse		3.697	3.385
Final gear ratio (FWD/AWD)			3.316	3.510

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MECHANICAL (cont'd)			
Brakes		All Models	
Front	Type	Ventilated Disc	
	Size (diameter, in)	12.8" (13.6")	
Rear	Type	Solid Disc	
	Size (diameter, in) (ICE SE, SEL, XRT)	12.0"	
	Size (diameter, in) (Limited, Calligraphy and All Hybrid)	12.8"	
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels	S	
	Number of Channels	4	
	Number of Sensors	4	
		4	
Downhill Brake Control (DBC)	Driver Selectable	S	
Hillstart Assist Control (HAC)		S	
Brake-Booster	11.0"	S	(Hybrid - Integrated Electric)
	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)		37.9	

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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
	Gas-pressurized shock absorbers, advanced valving	S
Body/Chassis		All Models
Type		Unibody (Monocoque body)
Materials	Primary	High strength steel

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SAFETY/SECURITY		
Restraint Systems		ALL
Airbags (front - advanced)	Driver advanced front airbag (1)	S
	Driver knee airbag (1)	
	Passenger advanced front airbag (1)	
	1 st Row seat side airbags (2)	
	2 nd Row seat side airbags (2)	
	Side curtain airbags (2)	
Outboard seatbelts	3-point	S
Inboard seatbelt (rear)	3-point	S
Adjustable front-seat shoulder belt anchors		S
Front seatbelt pretensioners and load limiters		S
LATCH lower anchors and upper tether anchors		S
Power window lock-out button		S
Rear child safety locks		S
Active Safety		
Anti-lock braking system (ABS) with 4-wheel disc brakes		S
Electronic stability control (ESC) with traction control (TCS) and brake assist		S
Vehicle stability management		S
Tire pressure monitoring system (TPMS) with individual tire indicator		S

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SAFETY/SECURITY (cont'd)						
Active Safety		SE	SEL / SEL Hybrid	XRT	Limited / Limited Hybrid	Calligraphy / Calligraphy Hybrid
Blind-Spot Collision-Avoidance Warning (BCW)		S	S	S	S	S
Blind-Spot Collision-Avoidance Assist (BCA)		-	-	-	-	S
Rear Cross-Traffic Collision-Avoidance Assist		S	S	S	S	S
Parking Collision-Avoidance Assist – Reverse		-	-	-	S	S
Park Distance Warning – Forward / Reverse (PDW – F/R)		S	S	S	-	-
Park Distance Warning – Forward / Side / Reverse (PDW – F/S/R)		-	-	-	S	S
Remote Smart Parking Assist (RSPA) – Entry / Fore and Aft		-	-	-	S	S
Rear Occupant Alert	Rear Occupant Alert (door-logic system)	S	-	-	-	-
	Ultrasonic Rear Occupant Alert (adds ultrasonic sensor & Bluelink integration)	-	S	S	S	S
Forward Collision-Avoidance Assist w/ Pedestrian, Cyclist, and Junction Turning Detection		S	S	S	S	S
Lane Keeping Assist		S	S	S	S	S
Driver Attention Warning		S	S	S	S	S
Forward Attention Warning (FAW) – aka Driver Monitoring System (DMS)		-	S	S	S	S
Safe Exit Assist		S	S	S	S	S
Highway Driving Assist I		-	-	S	S	-
Highway Driving Assist 2		-	-	-	-	S
Lane Following Assist		S	S	S	S	S

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Passive Safety	SE	SEL / SEL Hybrid	XRT	Limited / Limited Hybrid	Calligraphy / Calligraphy Hybrid
Front crumple zone	S	S	S	S	S
2.5-MPH bumpers	S	S	S	S	S
Electronic shift lock system – electronic type	S	S	S	S	S
Anti-theft system integrated with remote keyless entry and panic alarm	S	S	S	S	S
Immobilizer	S	S	S	S	S
DIMENSIONS/WEIGHTS/CAPACITIES					
Exterior (inches)			All		
Wheelbase			110.8		
Overall length			190.2		
Overall width			74.8		
Overall height (with roof side rails)			67.7 (69.7)		
Tread width- 18”/20”/21” (front)			64.8 / 64.4 / 64.7		
Tread width- 18”/20”/21” (rear)			65.1 / 64.8 / 65.1		
Overhang (front/rear)			36.0 / 43.3		
Minimum ground clearance			7.0 (XRT 8.3)		
Coefficient of drag (cd)			0.294		
Roof rails load capacity			220 lbs.		
Interior (in)			All		
Head room (front / 2 nd row (w/sunroof)) / 3 rd row			41.1(40.2) / 40.6 (39.6)/37.7		
Leg room (front / 2 nd row/3 rd row)			44.4 / 42.3 (HEV 41.5) / 30.0		
Shoulder room (front / 2 nd row / 3 rd row)			59.5 / 58.1 / 53.5		
Hip room (front / 2 nd row / 3 rd row)			56.5 / 54.9 / 42.7		

2024 Santa Fe Specifications

DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)				
Weights		2.5T		1.6T HEV
Curb weight FWD/AWD (lbs.)		4,343/ 4,486		4,431 / 4,575
GVWR FWD/AWD (lbs.)		5,534 / 5,677		5,655 / 5,798
Maximum trailer weight (lbs.)	With trailer brakes	3,500 (XRT 4,500)		2,000
	Without trailer brakes	1,650		1,650
Trailer pre-wiring		S		S
Capacities		All		
Fuel tank (gallons)		17.7 (ICE/HEV)		
SAE Volume (cubic feet)		ICE	HEV	
Total interior volume		166.6	165.6	
Passenger interior volume		152.0	151.0	
Cargo capacity, behind front seats		79.6		
Cargo capacity, behind 2 nd row		40.5		
Cargo capacity, behind 3 rd row		14.6		
Off-Road		ICE (SE, SEL, Limited & Calligraphy)	XRT	HEV
Approach Angle (°)		17.4	19.3	17.4
Departure Angle (°)		20.3	21.8	20.9
Ramp Break Over Angle (°)		17.0	19.1	15.3
Minimum Ground Clearance (in.)		7.0	8.3	7.0

2024 Santa Fe Specifications

Fuel Economy / Emissions						
Fuel Economy / EPA / Performance		SE	SEL / SEL Hybrid	XRT	Limited / Limited Hybrid	Calligraphy / Calligraphy Hybrid
Fuel economy City/Highway/Combined	FWD	20/29/24	20/29/24 (ICE) HEV TBD	-	20/29/24 (ICE) HEV TBD	20/29/24 (ICE) HEV TBD
	AWD	20/28/23 (ICE)	20/28/23 (ICE) HEV TBD	19/26/22	20/28/23 (ICE) HEV TBD	20/28/23 (ICE) HEV TBD
Smog score		7 (ICE) HEV TBD				
Global warming score (FE/GHG rating)		5 (ICE) HEV TBD				