

2022 Sonata Specifications

Hyundai Motor America
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MECHANICAL			
Engine Lineup	2.5L (SE/SEL)	1.6T (SEL Plus/Limited)	2.5T (N Line)
Smartstream 2.5L GDI + MPI DOHC 16-valve Inline 4-cylinder (2,497 cc) Bore & Stroke (mm): 88.5 x 101.5	S 191 hp @ 6100 rpm 181 lb. ft. @4000	-	-
Smartstream 1.6L Turbo-GDI DOHC 16-valve Inline 4-cyl (1,598 cc) Bore & Stroke (mm): 75.6 x 89	-	S 180 hp @ 5500 195 lb.-ft. @ 1500-4500	-
Smartstream 2.5L Turbo GDI + MPI DOHC 16-valve Inline 4-cylinder (2,497 cc) Bore & Stroke (mm): 88.5 x 101.5	-	-	S 290 hp @ 5800 311 lb.-ft. @ 1650-4000
Engine Features	2.5L (SE/SEL)	1.6T (SEL Plus/Limited)	2.5T (N Line)
Continuously Variable Valve Duration (CVVD)	-	S	-
Continuously Variable Valve Timing (CVVT)	S	-	S
Valves per Cylinder	4	4	4
Compression Ratio	13.0	10.5	10.5
Motor Mounts	Hydraulic & conventional rubber		
Recommended Fuel	Unleaded	Unleaded	Unleaded
Emissions System WCC + UCC	(SULEV30)	(N/A ULEV70)	(N/A ULEV70)

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MECHANICAL (cont'd)				
Electrical		2.5L (SE/SEL)	1.6T (SEL Plus/Limited)	2.5L (N Line)
Ignition System		Electronic / Distributorless	Electronic / Distributorless	Electronic / Distributorless
Starter		12V 1.4Kw (ISG)/ 12v 1.2Kw (non-ISG)	12V 0.9Kw	12v 1.2Kw
Alternator		13.5V 150A	13.5V 130A	13.5V 150A
Transmission and Drive System		2.5L	1.6T	2.5T
Drive Configuration		FWD		
Transmission Type	Smartstream 8-speed electronic automatic w/OD lock-up torque converter	S		
8-speed N Wet Dual Clutch				S
Clutch Type		Torque converter		Wet-Friction Twin
Steering wheel paddle shifters		-	S	S
Gear Ratios (:1)				
1 st		4.717		3.643
2 nd		2.906		2.304
3 rd		1.864		2.217
4 th		1.423		1.621
5 th		1.224		0.884
6 th		1		0.702
7 th		0.79		0.791
8 th		0.635		0.660
Reverse		3.239		3.697
Final Gear Ratio		3.195	3.367	4.077(1,2,5,6,R) 2.944(3,4,7,8)

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MECHANICAL (cont'd)				
Brakes		2.5L (SE/SEL)	1.6T (SEL Plus/Limited)	2.5T (N Line)
General		Power-assisted w/ pressure proportioning valves		
Front	Type Size (diameter)	Ventilated disc 12.0"	Ventilated disc 12.0"	Ventilated disc 13.6"
Rear	Type Size (diameter)	Solid disc 11.2"	Solid disc 11.2"	Solid disc 12.8"
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels Number of Channels Number of Sensors w/TCS	S 4 4 4	S 4 4 4	S 4 4 4
Brake Assist	ESC-equipped models	S	S	S
Parking Brake	Type (Ball In Ramp)	S	S	S
Electronic Parking Brake	w/ Automatic Vehicle Hold	S	S	S

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MECHANICAL (cont'd)				
Steering		2.5L (SE/SEL)	1.6T (SEL Plus/Limited)	2.5T (N Line)
Motor-Driven Power Steering	Column-mounted	S	S	-
	Rack-mounted	-	-	S
Type		Rack-and-Pinion	Rack-and-Pinion	Rack-and-Pinion
Power Assisted, Engine-RPM-Sensing		S	S	S
Overall Ratio		13.27	13.27	12.35
Turns (lock to lock)		2.6	2.6	2.44
Turning Diameter (curb to curb, in feet)		35.9	35.9	35.9
Suspension		2.5L (SE/SEL)	1.6T (SEL Plus/Limited)	2.5T (N Line)
Front	Type	MacPherson Strut	MacPherson Strut	MacPherson Strut
	Stabilizer Bar	S	S	S
	Gas Shock Absorber	S	S	S
Rear	Type	Multi-link	Multi-link	Multi-link
	Stabilizer Bar	S	S	S
	Gas Shock Absorber	S	S	S

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MECHANICAL (cont'd)						
Body / Chassis		2.5L (SE)	2.5L (SEL)	1.6T (SEL Plus)	1.6T (Limited)	2.5T (N Line)
Type		Unibody				
Materials Primary		High-tensile Steel				
Wheels & Tires		2.5L (SE)	2.5L (SEL)	1.6T (SEL Plus)	1.6T (Limited)	2.5T (N Line)
Wheels	16 x 6.5J Aluminum Alloy	S	-	-	-	-
	17 x 7.0J Aluminum Alloy	-	S	-	-	-
	18 x 7.5J Aluminum Alloy	-	-	-	S	-
	19 x 8.0J Aluminum Alloy	-	-	S	-	S
		 16-in Alloy (SE)	 17-in Alloy (SEL)	 19-in Alloy (SEL Plus)	 18-in Alloy (Limited)	 19-in Alloy (N Line)  19-in Alloy (Night)
Tire Pressure Monitoring System (TPMS)		S	S	S	S	S
Tires	205/65R16	S	-	-	-	-
	215/55R17	-	S	-	-	-
	235/45R18	-	-	-	S	-
	245/40R19	-	-	S	-	S
Spare Tire	Compact Temporary Use T125/80D16	S (Jun – Oct '21)	S	S	S	S
	Tire Mobility Kit (TMK)	S (Nov '21+ production)	-	-	-	-

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DIMENSIONS			
Exterior (inches)	All Trims		
Wheelbase	111.8		
Overall Length	192.9		
Overall Width (excludes mirrors)	73.2		
Overall Height	56.9		
Track Width (Front/Rear) 16"	64.3 / 64.6		
Track Width (Front/Rear) 17"	63.9 / 64.2		
Track Width (Front/Rear) 18"	63.7 / 63.9		
Track Width (Front/Rear) 19"	63.4 / 63.7		
Coefficient of Drag (Cd)	0.27		
Minimum ground clearance (in.)	5.3		
Interior (inches)	All Trims		
Head Room (front/rear w/o sunroof)	40.0/38.4		
Head Room (front/rear, w / sunroof)	40.0/37.4		
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		

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CAPACITIES		2.5L		1.6T		2.5T
Capacities		SE	SEL	SEL Plus	Limited	N Line
Fuel Tank (gallons)		14.8	15.9			
Engine Oil (quarts)		5.9		4.9		6.7
Engine Coolant (quarts)		4.0		2.9		3.8
WEIGHTS & FUEL ECONOMY						
Weights		SE	SEL	SEL Plus	Limited	N Line
Curb (lbs.)		3,120	3,192 w/o sunroof 3,266 w sunroof	3,230	3,336	3,552
GVWR (lbs.)		4,354				4,564
Maximum Towing /Trailer Capacity (lbs.)		Not Recommended				
Fuel Economy/EPA/Performance		SE	SEL	SEL Plus	Limited	N Line
Emissions	SULEV 30	S		-		-
	ULEV 70	-		S		S
Greenhouse Gas Rating		TBD				
City/Hwy/Combined	Automatic Transmission	28/38/32	27/37/31	27/37/31		23/33/27
EPA Classification		Large Car				