

2022 Tucson Specifications

Hyundai Motor America
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MECHANICAL

Engine Lineup	2.5L (All ICE Models)	1.6T (HEV/PHEV)
Smartstream Engine Family 2.5L GDI + MPI DOHC 16-valve Inline 4-cylinder Displacement: 2,497 cc, full engine cover Continuously Variable Valve Timing (CVVT)	S	-
Smartstream Engine Family 1.6L Turbo-GDI DOHC 16-valve Inline 4-cylinder Displacement: 1,598 cc, full engine cover Continuously Variable Valve Duration (CVVD)	-	S
Engine Features	2.5L (All ICE Models)	1.6T (HEV/PHEV)
Hood insulator	S	S
Block / Head Composition	Aluminum	Aluminum
Horsepower (HP) (Gas Engine Only)	187 @ 6100rpm (est)	180 @ 5500rpm (est)
Torque (lb-ft) (Gas Engine Only)	178 @ 4000rpm (est)	195 @ 1500-4500rpm (est)
Bore & Stroke (mm):	85.5 X 101.5	75.6 X 89.0
Compression Ratio	13.0	10.5
Idle Stop & Go	S	-
Intake System	Variable Intake System	Variable Intake System
Recommended Fuel	Unleaded	Unleaded
Exhaust	Single tip N-Line (Single Twin Tip)	Single tip

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Electric Motor / Battery	Hybrid	Plug-In Hybrid
Permanent magnet synchronous motor	S	S
Total System Output w/ Gas Engine	227 HP (est.)	261 HP (est.)
Power Output (Electric Motor Only)	44.2 kW (59 HP) @ 1,600–2,000 rpm	66.9kW (90HP) @ 2,100-3,300 rpm
Torque (Electric Motor Only)	195 lb.-ft. @ 0-1,600 rpm	224 lb.-ft. @ 2,100rpm
Battery Type	Lithium-Ion Polymer	Lithium-Ion Polymer
Voltage	270V (max)	360V (max)
Battery System Capacity	1.49 kWh	13.8kWh
Battery Power Output	64 kW	88 kW
Charge Port	-	S
On-board Charger	-	7.2kW (@240V)
Charge time	-	~2 hours

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MECHANICAL (cont'd)

Electrical		2.5L (All ICE Models)	1.6T (HEV/PHEV)
Ignition System	Type	Distributorless	Distributorless
Starter	Rating	12V 1.4Kw (ISG on) 12v 1.2Kw (ISG off)	-
Alternator Management System	Rating	13.5V, 150A	-
Transmission and Drive System		2.5L (All ICE Models)	1.6T (HEV/PHEV)
Drive Type	FWD	S	-
	HTRAC AWD, Active On-Demand	O	S
Drive Mode	Center-console mounted	S	S
Transmission Type	8-speed automatic torque converter	S	-
	6-speed automatic torque converter	-	S
	Steering Wheel Paddle Shifters	O	S
	Shift-By-Wire	O	S
Gear Ratios		2.5L FWD / AWD	1.6L AWD
	1 st	4.717	4.638
	2 nd	2.906	2.826
	3 rd	1.864	1.841
	4 th	1.423	1.386
	5 th	1.224	1.000
	6 th	1.000	0.772
	7 th	0.790	
	8 th	0.635	
	Reverse	3.239	3.385
Final Gear Ratio		3.648	3.320

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MECHANICAL (cont'd)		
Brakes		All Models
Front	Type Size (diameter, mm)	Ventilated Disc 17-in, 325mm
Rear	Type Size (diameter x thickness, mm)	Solid Disc 16-in, 300mm
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels Number of Channels Number of Sensors	S 4 4 4
Downhill Brake Control (DBC)	Driver Selectable	AWD Models Only
Hillstart Assist Control (HAC)		S
Brake Assist		S
Electronic Parking Brake	w/ Automatic Vehicle Hold	S
Steering		All Models
Motor Driven Power Steering (MDPS) Rack and pinion steering, column-mounted		S
Overall Ratio		60.5
Turns (lock to lock)		2.41
Turning Diameter (curb to curb, in feet)		5.89

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MECHANICAL (cont'd)		
Suspension		All Models
Front	Type	MacPherson strut with coil springs
	Stabilizer Bar	S
	Gas-pressurized shock absorbers	S
Rear	Type	Multi-link
	Stabilizer Bar	S
	Gas-pressurized shock absorbers	S
Body/Chassis		All Models
Type		Unibody (Monocoque body)
Materials	Primary	Advanced High Strength Steels; High tensile steel

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DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)				
Capacities		ICE	HEV	PHEV
Fuel Tank (gallons)		14.3	13.7	11.1
Engine Oil (liters)		5.6	4.8	4.8
Volume (cubic feet)		ICE	HEV	PHEV
Total interior volume (w/o pano sunroof)		146.9	TBD	TBD
Passenger interior volume (w/o pano sunroof)		108.2	TBD	TBD
Cargo capacity, rear seats up (cu. ft.)	SAE	38.7	38.7	31.9
	Max	41.2	41.2	TBD
Cargo capacity, rear seats folded down (cu. ft.)	SAE	73.8	73.3	65.2
	Max	80.3	80.3	TBD

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SUV 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
2022-	Tucson; HEV, PHEV	2,000	1,650				• None

Other Notes:

- All trailer prep packages are provisioned for a 4-pin trailer wiring system
- There is no specific provision for brake controller wiring
- Tongue load is recommended to be 10% of total trailer load, following industry practice and safety guidelines, as also noted in the owner's manual
- Specifications for towing capacities and trailering equipment is for the United States market only