

2023 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	180 @ 5500rpm
Torque (lb-ft) (Gas Engine Only)	178 @ 4000rpm	195 @ 1500-4500rpm
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
Emissions Control System	SULEV30	SULEV30
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	Horsepower	226	261 (est.)
	Torque	258 lb.-ft.	258 lb.-ft. (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	Lithium Ion
Voltage		270V (max)	360V (max)
Battery System Capacity		1.49 kWh	13.8 kWh
Battery Power Output		64 kW	88 kW
Charge Port		-	S
On-board Charger		-	7.2 kW (@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 1.4 kW (ISG on) 12V 1.2 kW (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 x thickness, mm)	Ventilated Disc 12.8" x 1.2", 325mm x 30mm Solid Disc 12.0" x 0.4", 300mm x 10mm
Rear	Type Size (diameter x thickness, mm)	
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	S
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		13.7:1
Turns (lock to lock)		2.41
Turning Diameter (curb to curb, in feet)		38.6

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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

DIMENSIONS/WEIGHTS/CAPACITIES										
Exterior (inches)	All									
Wheelbase	108.5									
Overall Length	182.3									
Overall Width	73.4									
Overall Height (w/o roof rails/with roof rails)	TBD / 65.6 (FWD), 66.3 (AWD)									
Tread Width 17" alloys (front/rear)	63.8 / 64.1									
Tread Width 19" alloys (front/rear)	63.6 / 63.9									
Overhang (front/rear)	35.2 / 38.6									
Minimum Ground Clearance (2WD/AWD)	7.1 / 8.3									
Coefficient of Drag (Cd)	0.33									
Roof rails load capacity	220 lbs									
Interior (inches)	ICE					HEV			PHEV	
Head Room w/o Sunroof (front/rear)	40.1 / 39.5					40.1 / 39.5			40.1 / 39.5	
Head Room Sunroof (front/rear)	38.3 / 39.5					n/a			n/a	
Head Room Panoramic Sunroof (front/rear)	38.1 / 39.0					38.1 / 38.7			38.1 / 38.7	
Leg Room (front/rear)	41.4 / 41.3					41.4 / 41.3			41.4 / 39.5	
Shoulder Room (front/rear)	57.6 / 56.0					57.6 / 56.0			57.6 / 56.0	
Hip Room (front/rear)	54.5 / 53.9					54.5 / 53.9			54.5 / 53.9	
Weights (lbs)	SE	SEL	N Line	XRT	Limited	Blue	SEL Conv	Limited	SEL	Limited
Curb Weight FWD/AWD	3,341 / 3,476	3,452 / 3,520	3,530 / 3,664	3,548 / 3,682	3,531 / 3,666	3,648	3,765	3,794	4,092	4,191
GVWR FWD/AWD	4,629 / 4,761	4,629 / 4,761	4,629 / 4,761	4,629 / 4,761	4,629 / 4,761	4,861	4,861	4,861	5,247	5,247
Payload FWD/AWD	1,288/1,285	1,177/1,241	1,099/1,097	1,081/1,079	1,098/1,095	1,213	1,096	1,067	1,155	1,056
Maximum Trailer Weight w/ trailer brakes	2,000									
Max. Trailer Weight w/o trailer brakes	1,650									

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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	146.7		137.8
Passenger interior volume (w/o pano sunroof)		108.2	107.9		105.9
Cargo capacity, rear seats up (cu. ft.)	SAE	38.7	38.7		31.9
	Max	41.2	41.2		31.9
Cargo capacity, rear seats folded down (cu. ft.)	SAE	74.8	74.5		66.3
	Max	80.3	80.0		71.8
Fuel Economy / EPA / Performance		ICE	HEV		PHEV
Fuel Economy City/Highway/Combined	FWD	25/32/28	Blue	SEL Conv / Limited	SEL/Limited
	AWD	23/28/25	38/38/38	37/36/37	35 Combined
Electric	Miles Per Gallon – equivalent (MPGe)	-	-		80
	All-Electric Range (miles)	-	-		33
EPA Classification		Small SUV	Small SUV		Small SUV
Smog Rating		FWD: 5 AWD: 5	AWD: 7		AWD: 7
Global Warming Score		FWD: 6 AWD: 5	8		10

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		Yes All Trims STD		Pre-wiring only

Other Notes:

- All trailer prep packages are provisioned for a trailer pre-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