

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 @ 6100 RPM	180 @ 5500 RPM
Torque (lb-ft) (Gas Engine Only)	178 @ 4000 RPM	195 @ 1500-4500 RPM
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	Regular Unleaded	Regular Unleaded
Emissions Control System	SULEV30	SULEV30
Exhaust	Single tip N Line (Single Twin Tip)	Single tip

2024 Tucson Specifications

MECHANICAL			
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	66.9 kW (90 hp) @ 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

2024 Tucson Specifications

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	1.6LAWD
	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

2024 Tucson Specifications

MECHANICAL (cont'd)		
Brakes		All Models
Front	Type Size (diameter x thickness, mm)	Ventilated Disc 12.8" x 1.2", 325mm x 30mm
Rear	Type Size (diameter x thickness, mm)	Solid Disc 12.0" x 0.4", 300mm x 10mm
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

2024 Tucson Specifications

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

2024 Tucson Specifications

SAFETY/SECURITY		
Restraint Systems		ALL
Airbags (Front - Advanced)	Driver (1)	S
	Front passenger (1)	S
	Occupant Classification System (OCS) Seat weight sensor and seat track sensor	S
	Driver and front passenger side-impact FR (Thorax) (2)	S
	Side air curtains (front and rear passengers) with rollover sensors (2)	S
	Rear side airbags (2)	S
Outboard seatbelts	3-point/ELR	S
Inboard seatbelt (rear)	3-point/ELR	S
5-position seatbelt reminder		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
Child safety locks (rear)		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) w/ Individual Tire Indicator		S

2024 Tucson Specifications

SAFETY/SECURITY (cont'd)

Active Safety	SE	SEL/Blue (HEV)	XRT	N Line	Limited
Forward Collision-Avoidance Assist (FCA) with Pedestrian, Cyclist, and Junction Turning Detection (sensor fusion-type)	S	S	S	S	S
Blind-Spot Collision-Avoidance Assist (BCA)	S	S	S	S	S
Rear Cross-Traffic Collision-Avoidance Assist (RCCA)	S	S	S	S	S
Parking Collision-Avoidance Assist – Reverse	-	-	-	-	S
Parking Distance Warning – Front & Rear	-	-	-	-	S
Surround View Monitor (SVM)	-	-	-	-	S
Blind-Spot View Monitor (BVM)	-	-	-	-	S
Driver Attention Warning (DAW)	S	S	S	S	S
Lane Keeping Assist (LKA)	S	S	S	S	S
Lane Following Assist (LFA)	S	S	S	S	S
Steering wheel haptic feedback (for LKA and BCA)	S	S	S	S	S
Intelligent Speed Limit Assist (ISLA)	S	S	S	S	S
Highway Driving Assist (HDA)	-	-	-	-	S
Navigation-based Smart Cruise Control with Curve Control (NSCC)	-	-	-	-	S
Safe Exit Warning (SEW)	S	S	S	S	S
Rear Occupant Alert (ROA)	S	S	-	-	-
Ultrasonic Rear Occupant Alert (Ultrasonic ROA)	-	O	S	S	S
Passive Safety	SE	SEL/Blue (HEV)	XRT	N Line	Limited
Bodyside reinforcements	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

2024 Tucson Specifications

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	XRT	Limited	Blue	SEL Conv	N Line	Limited	SEL	Limited
Curb Weight FWD/AWD	3,346 / 3,481	3,444 / 3,578	3,555 / 3,690	3,529 / 3,663	3,692	3,806	3,833	3,837	4,115	4,217
GVWR FWD/AWD	4,629 / 4,761	4,629 / 4,761	4,629 / 4,761	4,629 / 4,761	4,861	4,861	4,861	4,861	5,247	5,247
Payload FWD/AWD	1,283/1,280	1,185/1,183	1,074/1,071	1,100/1,098	1,169	1,055	1,028	1,024	1,132	1,030
Maximum Trailer Weight w/ trailer brakes	2,000									
Max. Trailer Weight w/o trailer brakes	1,650									

2024 Tucson Specifications

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 / N Line / Limited	SEL/Limited
	AWD	23/29/25	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: 7 AWD: 7	AWD: 7		AWD: 7
Fuel Economy (FE)/Greenhouse Gas (GHG) Rating		FWD: 6 AWD: 5	7		Fuel Economy: 8 Greenhouse Gas: 9