

2024 Palisade Specifications

Hyundai Motor America
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MECHANICAL	
Engine Lineup	All Models
Lambda II 3.8L Atkinson Cycle GDI D-CVVT 24-Valve 6-cylinder engine Displacement: 3,778 cc, engine cover	S
Engine Features	3.8L
Hood insulator	S
Block / Head Composition	Aluminum
Horsepower (HP)	291 @ 6000
Torque (lb-ft)	262 @ 5200
Bore & Stroke (mm):	96 X 87
Compression Ratio	13.0 : 1
Valvetrain	Dual-CVVT
	Atkinson-cycle capable
Idle Stop & Go	S
Intake System	Naturally Aspirated
Fuel System	Gasoline Direct Injection (GDI)
Recommended Fuel	Regular Unleaded
Emissions Control System	WCC + UCC / ULEV50
Exhaust	Twin tip, right-hand side

2024 Palisade Specifications

MECHANICAL (cont'd)			
Electrical		All Models	
Ignition system	Type	Distributorless	
Starter	Rating	12V 2.0Kw (ISG)	
Alternator	Rating	13.5V, 180A	
Transmission and Drive System		SE, SEL, XRT, LTD, Calligraphy	Calligraphy Night Edition
Drive configuration & AWD Torque Distribution	FWD	S	-
	HTRAC AWD active on-demand	Normal 100:0 ~ 50:50	O
		AWD Lock 80:20 ~ 50:50	O
Drive Mode Select (Comfort, Eco, Sport, & Smart) (SNOW mode, TOW mode, and AWD Lock on AWD models)	Center-console mounted	S	
Transmission type	8-speed automatic (A8LF1)	S	
	SHIFTRONIC® manual shift mode	S	
	Shift-by-Wire	S	
Gear ratios		3.8LFWD/AWD	
	1 st	4.808	
	2 nd	2.901	
	3 rd	1.864	
	4 th	1.424	
	5 th	1.219	
	6 th	1.000	
	7 th	0.799	
	8 th	0.648	
	Reverse	3.425	
Final gear ratio (FWD / AWD)		3.510 / 3.648	

2024 Palisade Specifications

MECHANICAL (cont'd)		
Brakes		All Models
Front	Type	Ventilated Disc
	Size (diameter, mm) (FWD/AWD)	340 x 30
Rear	Type	Solid Disc
	Size (diameter x thickness, mm) (FWD/AWD)	305 x 11
ABS with Electronic Brake-force Distribution (EBD)	Number of Wheels	S
	Number of Channels	4
	Number of Sensors	4
	Number of Sensors	4
Downhill Brake Control (DBC)	Driver Selectable	AWD Only
Hillstart Assist Control (HAC)		S
Brake-Booster	10.5"	S
	Boosting Ratio	10.0 : 1
Brake Assist		S
Parking Brake	Type	Electronic with Auto Vehicle Hold
Steering		All models
Motor Driven Power Steering (MDPS) Rack and pinion steering, column-mounted		S
Overall Ratio		15.6 : 1
Turns (lock to lock)		2.87
Turning Diameter (curb to curb, in feet)		38.7

2024 Palisade Specifications

MECHANICAL (cont'd)		
Suspension		All Models
Front	Type	MacPherson strut with coil springs
	Stabilizer Bar	S
Rear	Type	Multi-link Independent, separated spring & shocks
	Stabilizer Bar	S
	Self-Leveling suspension	S (Standard on XRT and up)
Body/Chassis		All Models
Type		Unibody (Monocoque body)
Materials	Primary	High strength steel

2024 Palisade Specifications

SAFETY/SECURITY		
Restraint Systems		ALL
Airbags (front - advanced)	Occupant classification system (OCS) seat weight sensor and seat track sensor Driver and front passenger airbag (2) Driver Knee Airbag (1) Front (2) and 2nd row (2) side impact airbags Side air curtains (front and rear passengers) with rollover sensors (2)	S
Outboard seatbelts	3-point	S
Inboard seatbelt/seatbelts (rear)	3-point	S
Adjustable front-seat shoulder belt anchors		S
Front seatbelt pretensioners and load limiters		S
2x LATCH anchors & 3 tethers in 2nd row; 1x LATCH & 2 tethers for 3rd row		S
Active head restraints		-
Power window lock-out button		S
Rear child safety locks		S
Active Safety		ALL
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

2024 Palisade Specifications

SAFETY/SECURITY (cont'd)							
Active Safety		SE	SEL	XRT	Limited	Calligraphy	Night Edition
Blind-Spot Collision Warning		S	S	S	S	S	S
Rear Cross-Traffic Collision-Avoidance Assist		S	S	S	S	S	S
Parking Distance Warning – Reverse		S	S	S	S	S	S
Parking Distance Warning – Forward and Reverse		-	O	-	S	S	S
Parking Collision-Avoidance Assist - Reverse		-	-	-	-	S	S
Rear Occupant Alert	Rear Occupant Alert (door-logic system)	S	-	-	-	-	-
	Ultrasonic Rear Occupant Alert	-	S	S	S	S	S
Forward Collision-Avoidance Assist with Car/Ped/Cyclist Detection & JT		S	S	S	S	S	S
Forward Collision-Avoidance Assist with Car/Ped/Cyclist Detection & JT/JC/LO/LS/ESA		-	O	-	S	S	S
Lane Keeping Assist, Lane Following Assist		S	S	S	S	S	S
Driver Attention Warning		S	S	S	S	S	S
Safe Exit Assist		S	S	S	S	S	S
Highway Driving Assist	HDA I	S	S	S	-	-	-
	HDA II	-	O	-	S	S	S
Trailer Sway Control		S	S	S	S	S	S
Passive Safety		SE	SEL	XRT	Limited	Calligraphy	Night Edition
Front crumple zone		S	S	S	S	S	S
2.5-MPH bumpers		S	S	S	S	S	S
Bodyside reinforcements		S	S	S	S	S	S
Electronic shift lock system		S	S	S	S	S	S
Anti-theft system integrated with remote keyless entry and panic alarm		S	S	S	S	S	S
Immobilizer		S	S	S	S	S	S

2024 Palisade Specifications

DIMENSIONS/WEIGHTS/CAPACITIES		
Exterior (inches)		All
Wheelbase		114.2
Overall length		196.7
Overall width		77.8
Overall height		68.9
Track width- 18" & 20" (front)		67.2
Track width- 18" & 20" (rear)		67.6
Overhang (front/rear)		37.9 / 44.5
Minimum ground clearance		7.9
Coefficient of drag (C _D)		0.33
Roof rails load capacity (lbs.)		220
Interior (inches)		All
Head room (front (w/sunroof) / 2 nd row (w/sunroof) / 3 rd row (w/sunroof))		40.7 (39.3) / 40.1 (38.8) / 37.8 (37.2)
Leg room (front / 2 nd row / 3 rd row)		44.1 / 42.4 / 31.4
Shoulder room (front / 2 nd row / 3 rd row)		61.2 / 60.8 / 55.2
Hip room (front / 2 nd row / 3 rd row)		58.1 / 57.7 / 43.7
Weights		7P 8P
Curb weight FWD/AWD (lbs.)		4,259 – 4,376 / 4,389 – 4,506 4,171 – 4,226 / 4,301 – 4,356
GVWR FWD/AWD (lbs.)		5,732 / 5,871
Maximum trailer weight (lbs.)	With trailer brakes	5,000
	Without trailer brakes	1,650

2024 Palisade Specifications

DIMENSIONS/WEIGHTS/CAPACITIES (cont'd)							
Capacities		All					
Fuel tank (gallons)		18.8					
Oil (liters)		6.9					
Coolant (liters)		4.9					
Transmission (liters)		7.0					
SAE Volume (cubic feet)- 7P / (8P) model		All					
Total interior volume		173.3					
Passenger interior volume		155.3					
Cargo capacity, behind front seats		86.4					
Cargo capacity, behind 2 nd row		45.8					
Cargo capacity, behind 3 rd row		18.0					
Fuel Economy / EPA / Performance		SE	SEL	XRT	Limited	Calligraphy	Night Edition
		3.8L Engine					
Fuel economy City/highway/combined	FWD	19/26/22					
	AWD	19/24/21					
Smog score		6					
Global warming score (FE/GHG rating) (FWD/AWD)		5/4					