

Hyundai Palisade.

Specifications.



Engine	3.8 GDi 2WD	2.2 CRDi AWD
Engine family	Lambda II	R series
Configuration	Transverse front mounted driving front wheels	Transverse front mounted driving front and rear wheels
Cylinder capacity	3.8 litres (3,778 cc)	2.2 litres (2199 cc)
Number of cylinders	6 v-configuration	4 in-line
Valve system	24 Valve (MLA)	16 Valve (HLA)
Intake System	Naturally aspirated	Turbo-charged (E-VGT)
Maximum power	217 kW @ 6,000 RPM	147 kW @ 3,800 RPM
Maximum torque	355 Nm @ 5,200 RPM	440 Nm @ 1,750-2,750 RPM
Fuel system	Gasoline Direct Injection (GDi)	Common Rail Direct injection (CRDi)
Fuel type	91 RON (ULP), E10 compatible	Diesel
Emissions standard	Euro 5	Euro 5
Bore x stroke	96.0 mm x 87.0 mm	85.4 mm x 96.0 mm
Compression ratio	13:1	16:1
Transmission	3.8 GDi 2WD	2.2 CRDi AWD
All Wheel Drive (AWD) System	-	Active on-demand 4WD
Automatic	8 speed automatic	8 speed automatic
Gear ratio	Automatic	Automatic
1st	4.808	4.808
2nd	2.901	2.901
3rd	1.864	1.864
4th	1.424	1.424
5th	1.219	1.219
6th	1.000	1.000
7th	0.799	0.799
8th	0.648	0.648
Reverse	3.425	3.425
Final	3.648	3.510
Engine/transmission availability	3.8 GDi 2WD	2.2 CRDi AWD
	Automatic	Automatic
Palisade	•	•
Highlander	•	•
Steering	3.8 GDi 2WD	2.2 CRDi AWD
Type	Column mounted Motor Driven Power Steering (C-MDPS)	
Minimum turning circle diameter between kerbs / walls	11.80 m	
Number of steering wheel turns lock to lock	2.87	
Suspension	3.8 GDi 2WD	2.2 CRDi AWD
Front	MacPherson strut	
Rear	Multi-link	
Brakes	3.8 GDi 2WD	2.2 CRDi AWD
	Automatic	Automatic
System	Dual-diagonal, split circuit, power assisted with Electronic Brakeforce Distribution (EBD) and Brake Assist System (BAS)	
Front brake type	Ventilated disc	
Front disc dimensions	340 mm x 30 mm	
Rear brake type	Ventilated disc	
Rear disc dimensions	314 mm x 18 mm	
Weight	3.8 GDi 2WD	2.2 CRDi AWD
	Automatic	Automatic
Kerb weight - lightest (8 seat / 7 seat)	1897 kg / 1950 kg	1983 kg / 2059 kg
Kerb weight - heaviest (8 seat / 7 seat)	1960 kg / 1950 kg	2069 kg / 2059 kg
Gross Vehicle Mass - GVM (8 seat / 7 seat)	2670 kg / 2580 kg	2755 kg / 2680 kg
Permissible Axle Weight - PAW - front	1340 kg	
Permissible Axle Weight PAW - rear	1450 kg	
Roof rack load limit	100 kg	

Towing capacity	3.8 GDi 2WD	2.2 CRDi AWD
	Automatic	Automatic
Braked	2200 kg	
Unbraked	750 kg	
Fuel consumption*	3.8 GDi 2WD	2.2 CRDi AWD
	Automatic	Automatic
Combined (L/100km)	10.7	7.3
Urban (L/100km)	14.9	9.2
Extra Urban (L/100km)	8.3	6.2
CO ₂ - combined (g/km)	251	243
Fuel tank volume	71 L	
*Source: Australian Design Rule 81/02 static laboratory combined average city and highway cycle test. Real world fuel consumption will vary depending on a combination of driving habits, the condition of the vehicle, and other factors such as road, traffic and weather conditions. ADR 81/02 test results are meant for comparison purposes only.		
Dimensions	3.8 GDi 2WD	2.2 CRDi AWD
Exterior		
Length	4980 mm	
Width	1975 mm	
Height	1750 mm	
Wheelbase	2900 mm	
Wheel track - front / rear	1708mm / 1716mm	1708mm / 1716mm
Minimum ground clearance (based on kerb weight)	203 mm	203 mm
Approach / departure / ramp break over angle	18.5° / 20.3° / 17.9°	18.5° / 21.2° / 16.3°
Interior		
Head room front / centre / rear (w/ sunroof)	1060 / 1019 / 959 mm (1026 / 985 / 959 mm)	
Leg room front / centre/ rear	1120 / 1077 / 798 mm	
Shoulder room front / centre / rear	1555 / 1545 / 1402 mm	
Hip room front / centre / rear	1476 / 1466 / 1111 mm	
Cargo area - VDA (minimum : from 3rd / from 2nd row)	311 / 704 Litres	
Wheels & tyres	Palisade	Highlander
Wheel type	Alloy	Alloy
Wheel dimensions	18 x 7.5J +49.5	20 x 7.5J +49.5
Tyre dimensions	245/60 R18 105H	245/50 R20 102V
Spare wheel type	Full size alloy	Full size alloy
Driving convenience	Palisade	Highlander
Electronic Parking Brake (EPB) (with auto hold function)	•	•
Integrated Memory System (IMS) - Driver seat	-	•
One touch turn signal - 3, 5, or 7 flashes	•	•
Rain sensing wipers	-	•
Rear wiper - with auto wipe on reverse	•	•
Smart Key with push button start	•	•
Steering wheel mounted controls - audio, phone, cruise control & trip computer	•	•
Tilt & telescopic steering column	•	•
Driving engagement	Palisade	Highlander
Drive Mode - 4 settings (Comfort, Eco, Sport, Smart)	•	•
Multi Terrain Mode - 3 settings (Snow, Mud, Sand)	• ¹	• ¹
Paddle shifters	•	•
Active safety	Palisade	Highlander
Electronic Stability Control (ESC) including;		
Anti-lock Braking System (ABS)	•	•
Brake Assist System (BAS)	•	•
Electronic Brakeforce Distribution (EBD)	•	•
Downhill Brake Control (DBC)	• ¹	• ¹
Hill-start Assist Control (HAC)	•	•
Trailer Stability Assist (TSA)	•	•
Traction Control System (TCS)	•	•
Vehicle Stability Management (VSM)	•	•
Hyundai SmartSense™ including;		
Blind-Spot Collision-Avoidance Assist - Rear (BCA-R)	•	•
Blind-Spot View Monitor (BVM)	-	•
Driver Attention Warning (DAW)	•	•
Forward Collision-Avoidance Assist (FCA) - camera and radar type, including:	•	•
- Car/Pedestrian/Cyclist detection	•	•
- City/Urban/Interurban operational speeds	•	•
High Beam Assist (HBA)	•	•
Lane Keeping Assist - Line/Road-Edge (LKA-L/R)	•	•
Leading Vehicle Departure Alert (LVDA)	•	•
Lane Following Assist (LFA)	•	•
Rear Cross-Traffic Collision-Avoidance Assist (RCCA)	•	•
Rear Occupant Alert (ROA) - Advanced	•	•
Safe Exit Assist (SEA)	-	•
Smart Cruise Control (SCC) with Stop & Go	•	•
Surround View Monitor (SVM)	-	•

Active safety	Palisade	Highlander
Other features		
Parking Distance Warning-Front (PDW-F) - 4 sensors, with guidance display	•	•
Parking Distance Warning-Reverse (PDW-R) - 4 sensors, with guidance display	•	•
Rear view camera with dynamic guide lines	•	•
Tyre Pressure Monitoring System (TPMS) - individual tyre pressure readout	•	•
Passive safety	Palisade	Highlander
Airbags		
Front airbags - driver & front passenger	•	•
Side (thorax) airbags - driver & front passenger	•	•
Side curtain airbags - 1st, 2nd & 3rd rows	•	•
Roll-over Sensor	•	•
Doors		
Impact sensing auto door unlock	•	•
Rear door child safety locks	•	-
Electronic child safety lock system	-	•
Seatbelts		
Pretensioners, load limiters & height adjustable upper mounts on front seat belts	•	•
Pretensioners & load limiters on rear (outboard) seat belts	•	•
Seat belt reminder - front & rear seatbelts	•	•
Seat belt holder - 2nd & 3rd rows	•	•
Seating		
Height adjustable front head restraints with tilt function	•	•
Height adjustable rear head restraints	•	•
ISOFIX child restraint anchors (rear outboard seats) - 2nd row x 2	•	•
ISOFIX child restraint anchors (rear outboard - passenger side) - 3rd row x 1	•	•
Top tether child restraint anchors - 2nd Row : 2 anchors / 3rd row : 2 anchors	-	•2
Top tether child restraint anchors - 2nd Row : 3 anchors / 3rd row : 2 anchors	•	•3
Smart one touch flat folding (switch operated) - 2nd row	•	•
Security	Palisade	Highlander
Security system		
Active lock/unlock operation (user configurable)	•	•
Anti-theft alarm	•	•
Central locking	•	•
Engine immobiliser	•	•
Remotes		
Smart Key remote - 2x	•	•
Multimedia system	Palisade	Highlander
Functions		
Apple CarPlay ⁴ & Android Auto ⁵ compatibility	•	•
Bluetooth® Multi-Connection; 1 x phone + 1 x audio (total up to 2 devices)	•	•
Satellite navigation	•	•
Live Traffic Updates	•	•
Touch screen - 10.25" display	•	•
Speakers		
Infinity™ premium audio system - 12 speakers with external amplifier	•	•
Audio/media sources		
AM / FM radio	•	•
Digital radio (DAB+)	•	•
Driver Talk function - Driver's voice communicated through rear speakers	•	•
Radio Data System (RDS)	•	•
USB multimedia input	•	•
Bluetooth audio streaming	•	•
Quiet Mode - Speaker volume limitation for a quieter cabin	•	•
Occupant comfort & convenience	Palisade	Highlander
Upholstery/trim		
Leather ⁶ appointed interior - seats & steering wheel	•	-
Nappa Leather ⁶ appointed interior - seats & Leather ⁶ appointed steering wheel	-	•
Carpet floor mat - cargo compartment	-	•
Front seats		
Driver's seats - height adjustable	•	•
Passenger's seats - height adjustable	-	•
Driver's seat - power adjustable - 12-way (including lumbar and cushion extension)	-	•
Driver's seat - power adjustable - 10-way (including lumbar support)	•	-
Passenger's seat - power adjustable - 8-way	-	•
Front centre console - power outlets - 2 x 12V outlet	•	•
Front centre console - power outlets - 2 x USB Charging ports	•	•
Front centre console - 1 x Multimedia USB	•	•
Front centre console - wireless charging pad (Qi standard) ⁷	-	•

Occupant comfort & convenience	Palisade	Highlander
Rear seats (2nd row)		
Centre fold down armrest	•	• ³
Rear power outlets - 2 x USB charger outlets (front seat back)	•	•
Rear power outlets - 1 x 12V outlet	•	•
Roof mounted air vents 2x	•	•
Grip handles - 2x	•	•
Walk-in switch - control for slide function to access 3rd row	•	•
Rear seats (3rd row)		
Rear power outlets - 2 x USB charger outlets	•	•
Cup holders 4x	•	•
Roof mounted air vents 2x	•	•
3rd row seat recliner (up to 10 degrees)	•	•
Walk-in switch - control for slide function to exit 3rd row	•	•
Windows/shades		
Acoustic laminated windshield glass	•	•
Wide glass sunroof - dual panel with tilt and slide front panel and power sunblind (rear)	-	•
Power windows - front & rear	•	•
One touch window up & down function with anti-pinching safety feature - front & rear	•	•
Rear door window sunshades	-	•
Solar control windshield and front glass	•	•
Rear privacy glass	-	•
Sunvisor (extendable) - driver and front passenger	•	•
Doors/boot/tailgate		
Luggage area power outlet - 1 x 12V outlet	•	•
Smart Tailgate (rear power tailgate with hands-free opening) speed adjustable	-	•
Smart Tailgate - with anti-pinching safety feature	-	•
Vision & sight	Palisade	Highlander
Interior mirror		
Electro-chromatic Mirror (ECM) - auto-dimming	•	•
Rear conversation mirror	•	•
Exterior mirrors		
Heated	•	•
Power adjustable	•	-
Power adjustable with auto-dip on reverse function	-	•
Power folding with auto fold function	•	•
Instrument cluster/driving displays		
Head-Up Display (HUD)	-	•
Supervision cluster - 7" TFT colour LCD with trip computer & digital speedometer	•	•
Ventilation & heating	Palisade	Highlander
Air conditioning		
Climate control - Three zone	•	•
Cabin air filter	•	•
Cooling/heating diffusion type roof air vent - 2nd row & 3rd rows	•	•
Front seats		
Air ventilated front seats	-	•
Heated front seats	-	•
Rear/2nd row outboard seats		
Air ventilated rear outboard seats	-	• ²
Heated rear outboard seats	-	•
Other features		
Heated rear windshield	•	•
Heated steering wheel	-	•
Exterior styling	Palisade	Highlander
Front		
Front grille - Satin Chrome	•	•
Front grille upper garnish insert - satin chrome	•	•
Skid plate - silver	•	•
Side		
Door frame & beltline moulding - satin chrome	•	•
Exterior door handles - body colour	•	•
Side garnish insert - satin chrome	•	•
Rear		
Dual exhaust tips - chrome	•	•
Spoiler - body colour matched, tailgate mounted	•	•
Skid plate - silver	•	•

Interior styling	Palisade	Highlander
Treatments		
Alloy effect finish (interior door handles)	•	•
Alloy effect steering wheel insert	•	•
Materials		
Black headlining	-	• ⁸
Warm Grey headlining	•	• ⁹
Premium materials - door centre trim	-	•
Fabric A,B,C pillar covers, roof lining and sunvisors	•	-
Suede A,B,C pillar covers, roof lining and sunvisors	-	•
Lighting	Palisade	Highlander
Exterior lighting - front		
Daytime Running Lights (DRL) - LED	•	•
Headlight functions - automatic dusk sensing with escort and welcome	•	•
Headlight type - LED (low/high beam)	-	•
Headlight type - projector beam	•	•
Positioning lights - LED	•	•
Exterior lighting - rear		
Fog lights - LED	•	•
High Mount Stop Light (HMSL) - LED	•	•
Rear combination lights - LED (bulb : reverse lights)	-	•
Exterior lighting - others		
Courtesy lights - LED, in front door handles	-	•
Puddle lights	•	•
Side repeaters - integrated into side mirrors (LED)	•	•
Interior lighting - front		
Front room lights and map lights - LED	•	•
Vanity mirror lights	•	•
Glovebox compartment light	•	•
Interior lighting - rear		
Centre room light (LED)	•	•
Map lights (outboard) - (LED)	•	•
Interior lighting - others		
Cargo area light - (LED)	•	•
Interior light fade-out delay	•	•
Safety lights - integrated in doors (front)	•	•
Storage solutions	Palisade	Highlander
Front seats		
Cup holders - centre console 2x	•	•
Front seat back pockets with pocket for personal electronics	•	•
Glovebox compartment	•	•
Ticket holders - sunvisors (driver and front passenger)	•	•
Rear seats		
Coat hooks - 1x	•	•
Cup holders - center armrest (2nd row)	•	• ³
Rear seating split folding - 60:40 (2nd row) and 60:40 (3rd row)	•	• ³
Rear seating split folding - Individual (2nd row) and 60:40 (3rd row)	-	• ²
Boot/Luggage area		
Cargo cover - retractable with underfloor storage capability	•	•
Luggage compartment - 6x mounting points	•	•
Luggage net	•	•
Luggage Mat	-	•
Underfloor storage recess	•	•
Others		
Cup / bottle holders - 16x (front x 4, 2nd row x 8, 3rd row x 4)	•	• ³
Cup / bottle holders - 14x (front x 4, 2nd row x 6, 3rd row x 4)	-	• ²
Roof Rails	•	•
Notes:		
1. Feature only available on AWD Diesel variant		
2. Feature only available on 7 Seat variant		
3. Feature only available on 8 Seat variant		
4. Apple CarPlay requires iPhone 5 or subsequent model (lightning cable) in order to operate		
5. Android Auto requires a device with Android 5.0 operating system or subsequent version in order to operate		
6. Finishes specified as leather may contain elements of genuine leather, polyurethane leather (leather substitute) or man-made materials, or a combination thereof		
7. Wireless charging requires a Qi-enabled smartphone or adapter in order to operate.		
8. Feature only available on Burgundy Nappa leather seats		
9. Feature only available on Beige Nappa leather seats		
Key:		
• = Feature is available on trim		
- = Feature is not available on trim		