

# 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	•	•
Elite	•	•
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	1340 kg	
Permissible Axle Weight PAW - rear	1450 kg	1450 kg	
Roof rack load limit	100 kg	100 kg	
Towing capacity	3.8 GDi 2WD	2.2 CRDi AWD	
	Automatic	Automatic	
Braked	2200 kg	2200 kg	
Unbraked	750 kg	750 kg	
Maximum towball weight (with genuine Hyundai accessory assist kit)	100kg	100kg (180kg)	
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 <sub>2</sub> - 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	1708 mm / 1716 mm	1708 mm / 1716 mm	
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 3 <sup>rd</sup> / from 2 <sup>nd</sup> row)	311 / 704 Litres		
Wheels & tyres	Palisade	Elite	Highlander
Wheel type	Alloy	Alloy	Alloy
Wheel dimensions	18 x 7.5J +49.5	20 x 7.5J +49.5	20 x 7.5J +49.5
Tyre dimensions	245/60 R18 105H	245/50 R20 102V	245/50 R20 102V
Spare wheel type	Full size alloy	Full size alloy	Full size alloy

Driving convenience	Palisade	Elite	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	Elite	Highlander
Drive Mode - 4 settings (Comfort, Eco, Sport, Smart)	•	•	•
Multi Terrain Mode - 3 settings (Snow, Mud, Sand) - (available on AWD Diesel variants only)	•	•	•
Paddle shifters	•	•	•
Active safety	Palisade	Elite	Highlander
Electronic Stability Control (ESC) including;			
Anti-lock Braking System (ABS)	•	•	•
Brake Assist System (BAS)	•	•	•
Electronic Brakeforce Distribution (EBD)	•	•	•
Downhill Brake Control (DBC) - (available on AWD Diesel variants only)	•	•	•
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)	-	-	•
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	Elite	Highlander
Airbags			
Front airbags - driver & front passenger	•	•	•

Side (thorax) airbags - driver & front passenger	•	•	•
Side curtain airbags - 1st, 2nd & 3rd rows	•	•	•
Roll-over Sensor	•	•	•
<b>Doors</b>			
Impact sensing auto door unlock	•	•	•
Rear door child safety locks	•	•	-
Electronic child safety lock system	-	-	•
<b>Seatbelts</b>			
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	•	•	•
<b>Seating</b>			
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 - (7 seat only)	-	•	•
Top tether child restraint anchors - 2nd Row : 3 anchors / 3rd row : 2 anchors - (8 seat only)	•	•	•
Smart one touch flat folding (switch operated) - 2nd row	•	•	•
<b>Security</b>	<b>Palisade</b>	<b>Elite</b>	<b>Highlander</b>
<b>Security system</b>			
Active lock/unlock operation (user configurable)	•	•	•
Anti-theft alarm	•	•	•
Central locking	•	•	•
Engine immobiliser	•	•	•
<b>Remotes</b>			
Smart Key remote - 2x	•	•	•
<b>Multimedia system</b>	<b>Palisade</b>	<b>Elite</b>	<b>Highlander</b>
<b>Functions</b>			
Apple CarPlay <sup>1</sup> & Android Auto <sup>2</sup> compatibility	•	•	•
Bluetooth® Multi-Connection; 1 x phone + 1 x audio (total upto 2 devices)	•	•	•
Satellite navigation	-	•	•
Live Traffic Updates	-	•	•
Touch screen - 10.25" display	-	•	•
<b>Speakers</b>			
Infinity™ premium audio system - 12 speakers with external amplifier	-	•	•
<b>Audio/media sources</b>			
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	Elite	Highlander
<b>Upholstery/trim</b>			
Leather <sup>3</sup> appointed interior - seats & steering wheel	•	•	-
Nappa Leather <sup>3</sup> appointed interior - seats & Leather <sup>3</sup> appointed steering wheel	-	-	•
Carpet floor mat - cargo compartment	-	-	•
<b>Front seats</b>			
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) <sup>4</sup>	•	•	•
<b>Rear seats (2nd row)</b>			
Centre fold down armrest - (8 seat only)	•	•	•
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	•	•	•
<b>Rear seats (3rd row)</b>			
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	•	•	•
<b>Windows/shades</b>			
Acoustic laminated windshield glass	•	•	•
Glass sunroof - Single panel with tilt and slide (front)	-	•	-
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	•	•	•
<b>Doors/boot/tailgate</b>			
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	-	•	•
<b>Vision &amp; sight</b>	<b>Palisade</b>	<b>Elite</b>	<b>Highlander</b>
<b>Interior mirror</b>			
Electro-chromatic Mirror (ECM) - auto-dimming	•	•	•
Rear conversation mirror	•	•	•

<b>Exterior mirrors</b>			
Heated	•	•	•
Power adjustable	•	•	-
Power adjustable with auto-dip on reverse function	-	-	•
Power folding with auto fold function	•	•	•
<b>Instrument cluster/driving displays</b>			
Head-Up Display (HUD)	-	-	•
Supervision cluster - 7" TFT colour LCD with trip computer & digital speedometer	•	•	•
<b>Ventilation &amp; heating</b>	<b>Palisade</b>	<b>Elite</b>	<b>Highlander</b>
<b>Air conditioning</b>			
Climate control - Three zone	•	•	•
Cabin air filter	•	•	•
Cooling/heating diffusion type roof air vent - 2nd row & 3rd rows	•	•	•
<b>Front seats</b>			
Air ventilated front seats	-	-	•
Heated front seats	-	•	•
<b>Rear/2nd row outboard seats</b>			
Air ventilated rear outboard seats - (7 seat only)	-	-	•
Heated rear outboard seats	-	-	•
<b>Other features</b>			
Heated rear windshield	•	•	•
Heated steering wheel	-	-	•
<b>Exterior styling</b>	<b>Palisade</b>	<b>Elite</b>	<b>Highlander</b>
<b>Front</b>			
Front grille - Satin Chrome	•	•	•
Front grille upper garnish insert - satin chrome	•	•	•
Front bumper - body colour	-	-	•
Skid plate - silver	•	•	•
<b>Side</b>			
Door frame & beltline moulding - satin chrome	•	•	•
Exterior door handles - body colour	•	•	•
Wheel arches - body colour	-	-	•
Side garnish insert - satin chrome	•	•	•
<b>Rear</b>			
Dual exhaust tips - chrome	•	•	•
Rear bumper - body colour	-	-	•
Spoiler - body colour matched, tailgate mounted	•	•	•
Skid plate - silver	•	•	•
<b>Interior styling</b>	<b>Palisade</b>	<b>Elite</b>	<b>Highlander</b>
<b>Treatments</b>			
Alloy effect finish (interior door handles)	•	•	•
Alloy effect steering wheel insert	•	•	•
<b>Materials</b>			
Black headlining - (available on Burgundy Nappa and Black Nappa leather seats only)	-	-	•
Warm Grey headlining - (available on Beige Nappa leather seats and Black Leather seats only)	•	•	•
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	Elite	Highlander
<b>Exterior lighting - front</b>			
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	•	•	•
<b>Exterior lighting - rear</b>			
Fog lights - LED	•	•	•
High Mount Stop Light (HMSL) - LED	•	•	•
Rear combination lights - LED (bulb : reverse lights)	-	•	•
<b>Exterior lighting - others</b>			
Courtesy lights - LED, in front door handles	•	•	•
Puddle lights	•	•	•
Side repeaters - integrated into side mirrors (LED)	•	•	•
<b>Interior lighting - front</b>			
Front room lights - LED	•	•	•
Vanity mirror lights	•	•	•
Glovebox compartment light	•	•	•
<b>Interior lighting - rear</b>			
Centre room light (LED)	•	•	•
<b>Interior lighting - others</b>			
Cargo area light - (LED)	•	•	•
Interior light fade-out delay	•	•	•
Safety lights - integrated in doors (front)	•	•	•
<b>Storage solutions</b>	<b>Palisade</b>	<b>Elite</b>	<b>Highlander</b>
<b>Front seats</b>			
Cup holders - centre console 2x	•	•	•
Front seat back pockets with pocket for personal electronics	•	•	•
Glovebox compartment	•	•	•
Ticket holders - sunvisors (driver and front passenger)	•	•	•
<b>Rear seats</b>			
Coat hooks - 1x	•	•	•
Cup holders - center armrest (2nd row) - (8 seat only)	•	•	•
Rear seating split folding - 60:40 (2nd row) and 60:40 (3rd row) - (8 seat only)	•	•	•
Rear seating split folding - Individual (2nd row) and 60:40 (3rd row) - (7 seat only)	-	•	•
<b>Boot/Luggage area</b>			
Cargo cover - retractable with underfloor storage capability	•	•	•
Luggage compartment - 6x mounting points	•	•	•
Luggage net	•	•	•
Luggage Mat	-	-	•
Underfloor storage recess	•	•	•
<b>Others</b>			
Cup / bottle holders - 16x (front x 4, 2nd row x 8, 3rd row x 4) - (8 seat only)	•	•	•
Cup / bottle holders - 14x (front x 4, 2nd row x 6, 3rd row x 4) - (7 seat only)	-	•	•
Roof Rails	•	•	•

**Notes:**

1. Apple CarPlay requires iPhone 5 or subsequent model (lightning cable) in order to operate.
2. Android Auto requires a device with Android 5.0 operating system or subsequent version in order to operate.
3. Finishes specified as leather may contain elements of genuine leather, polyurethane leather (leather substitute) or man-made materials, or a combination thereof.
4. Wireless charging requires a Qi-enabled smartphone or adapter in order to operate.

**Key:**

- = Feature is available on trim
- = Feature is not available on trim