

# RENAULT RAFALE E-TECH HYBRID



available in E-Tech full hybrid 200hp  
and E-Tech 4WD 300hp plug-in hybrid engines.

10 September 2024



# aiming higher inspires reinvention

Designed to reinvent performance, Renault Rafale pays tribute to the brand's pioneering spirit - yesterday in the air with the Caudron-Renault Rafale, today on the road. The same determination and boldness combined with the most advanced technologies: E-Tech full hybrid 200hp engine and E-Tech 4WD 300hp engine, 4Control advanced system<sup>(1)</sup>, solarbay<sup>®</sup> opacifying panoramic sunroof<sup>(2)</sup>.



**Technology, performance and agility co-exist for energetic driving pleasure.**

**E-Tech full hybrid 200hp engine**

**E-Tech 4WD 300hp plug-in hybrid engine**

**atelier Alpine version with chassis tuned by Alpine engineering<sup>(3)</sup>**

**4Control advanced system<sup>(1)</sup>**

**solarbay<sup>®</sup> opacifying panoramic sunroof<sup>(2)</sup>**

**openR link multimedia system with Google built-in<sup>(4)</sup>**

(1) depending on version. (2) available on iconic esprit Alpine and atelier Alpine. (3) only available on the atelier Alpine version. (4) Google, Google Maps, Google News, Waze and other marks are trademarks of Google LLC.

# Interactive menu

**01. design**

**02. driving pleasure**

**03. on-board experience**

**04. multimedia**

**05. safety & security**

**06. customisation**

## PDF for download



**equipment and engines**



**accessories**

## a bold vision of design

Inspired by the aviation industry, the design of Renault Rafale replicates the precision and fluidity of an aircraft's fuselage. With its sporty silhouette, sculpted lines, powerful light signature and floating rear spoiler, Renault Rafale redefines the word "bold".



The front grille comes to life in an array of diamonds to create a visual statement and graphic interactions. At the rear, the lines finish on a spoiler, while the specific 21" wheel rims express a distinctive design<sup>(3)</sup>.



The sports seats<sup>(1)</sup> with side reinforcements help create a driving experience that combines comfort and support. Inserted in the backs of the front seats, the Alpine logo lights up and beats like a heart as soon as the driver approaches the vehicle<sup>(1)</sup>. The upholstery is enhanced by blue, white and red top-stitching<sup>(1)</sup>.



60% recycled Alcantara® upholstery<sup>(2)</sup>

(1) available only for the esprit Alpine and atelier Alpine versions. (2) according to ISO standard 14021. (3) 21" wheel rims are only available on atelier Alpine version.

**build yours →**

## 02. driving pleasure

# E-Tech full hybrid 200hp and E-Tech 4WD 300hp engines

### E-Tech full hybrid 200hp

up to **683 miles** of range<sup>(1)</sup>

from **105 g/km** CO<sub>2</sub> emissions<sup>(2)</sup>

### E-Tech 4WD 300hp plug-in hybrid

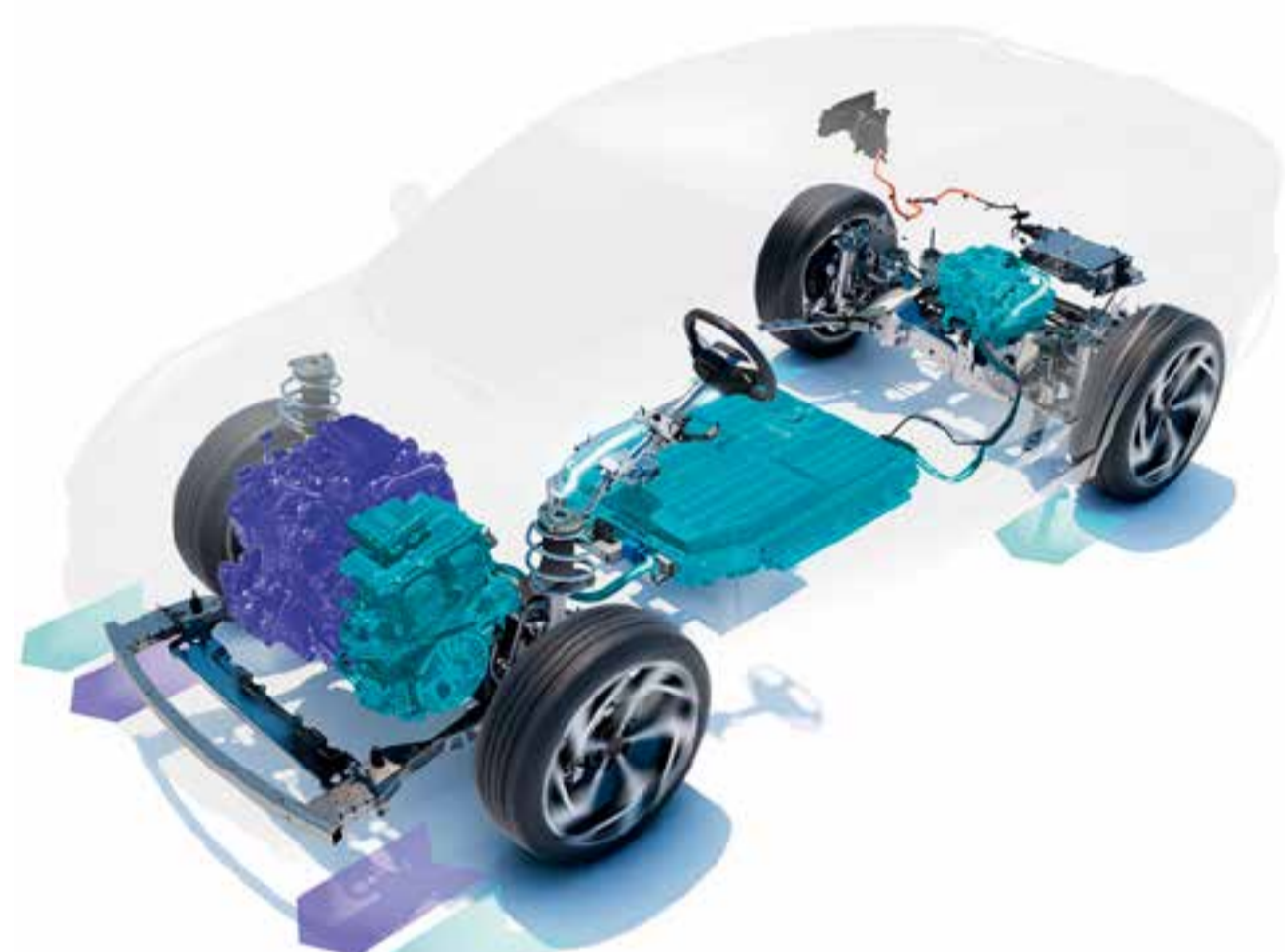
up to **621 miles** of total range<sup>(3)</sup>

up to **65 miles** of range in fully electric mode<sup>(4)</sup>

from **12 g/km** CO<sub>2</sub> emissions<sup>(5)</sup>



**The E-Tech full hybrid 200hp and E-Tech 4WD 300hp plug-in hybrid engines combine performance and efficiency. Start-ups are systematically electric, accelerations are sharp and dynamic. Silence, responsiveness, fluidity, whether you're driving in town or on the road.**



#### E-Tech full hybrid 200hp engine

Enjoy hybrid driving with no need to plug your vehicle into a socket. With the ability to drive in electric mode without any noise, and automatically charge the battery when decelerating or braking.

#### E-Tech 4WD 300hp plug-in hybrid engine

With its 22 kWh rechargeable battery, you can drive up to 65 miles in 100% electric mode<sup>(4)</sup>, equivalent to most of your daily journeys. Charge from an electrical outlet or charging point: public, at work or at home.

	E-Tech full hybrid 200hp	E-Tech 4WD 300hp plug-in hybrid
<b>technology</b>	1 traction battery + 1 electric engine + 1 internal combustion engine + automatic multimodal gearbox	1 high-capacity traction battery + 2 electric engines + 1 internal combustion engine + automatic multimodal gearbox
<b>ICE torque (Nm)</b>	205 + 205 N.m	230 + 205 + 200 N.m
<b>battery capacity</b>	1.7 kWh	22 kWh / 400 V
<b>fuel consumption<sup>(2)</sup></b>	60.1 mpg	up to 564.9 mpg
<b>CO<sub>2</sub> emissions<sup>(2)</sup></b>	from 105 g/km	from 12 g/km
<b>energy recovery via decelerating and braking</b>	yes	yes
<b>management of the energy recovery</b>	yes	yes
<b>electric assistance to the internal combustion engine</b>	yes	yes
<b>acceleration</b>	From 0 to 62 miles per hr in 8.9 seconds	From 0 to 6.2 miles per hr in 6.4 seconds
<b>rechargeable</b>	no need to connect to a terminal, recharges when deceleration and braking	on a public electrical outlet or terminal, at work or at home + when decelerating and braking

(1) up to 683 miles range with a full tank, according to WLTP data. (2) according to the WLTP protocol. (3) up to 621 miles range driving with a full tank, according to WLTP data. (4) in WLTP cycle, actual range depends on driving conditions (type of road, driving style and weather conditions) (Renault internal source 2024). (5) according to WLTP data.

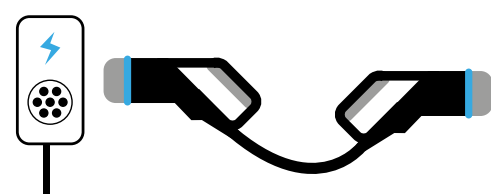
# At home, at work and on the go, enjoy a wide range of tailor-made offers for charging the Renault Rafale E-Tech 4WD 300hp plug-in hybrid.

## domestic

### domestic charging station

7.4 kW AC

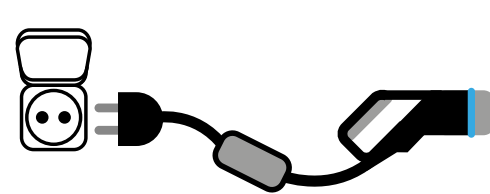
mode 3 cable



### reinforced domestic socket

3.7 kW AC

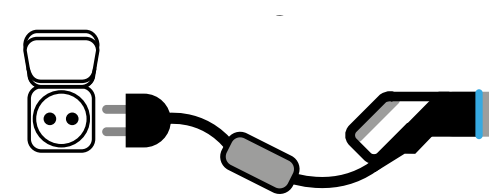
mode 2 cable or flexi-charger as accessory



### standard 3-pin domestic socket

2.3 kW AC

mode 2 cable standard flexi-charger as accessory



### charging time

0 to 100% → 2 h 55

0 to 100% → 5 h 35

0 to 100% → 9 h 5

## charging at home or at work

### maximum 7.4 kW AC charging

Charge Renault Rafale E-Tech 4WD 300hp easily at home<sup>(1)</sup> with a wall-mounted charging station or a standard 3-pin 2.3kW socket. Where possible, take advantage of the public network to charge the battery to 80% in just under 3 hours at the 7.4 kW charging points.

### My Renault application

**Check your range at any time;** start charging remotely or schedule it at off-peak times.

### Mobilize power solutions

**Order your charging solution and get it installed.** Install a Mobilize Powerbox Uno charging point or a reinforced socket in your home to charge your vehicle with ease. And at work, benefit from the Mobilize Powerbox Uno+ charging station. Order your charging solution from the Renault network, and an expert will install it before your Renault Rafale is delivered.

## on-street charging

### Mobilize charge pass

**Charge easily during your journeys.** Locate available charging terminals on your My Renault app, and pay with a single gesture. Charge at public AC terminals when travelling in urban areas, shopping centres, or at your holiday destination.

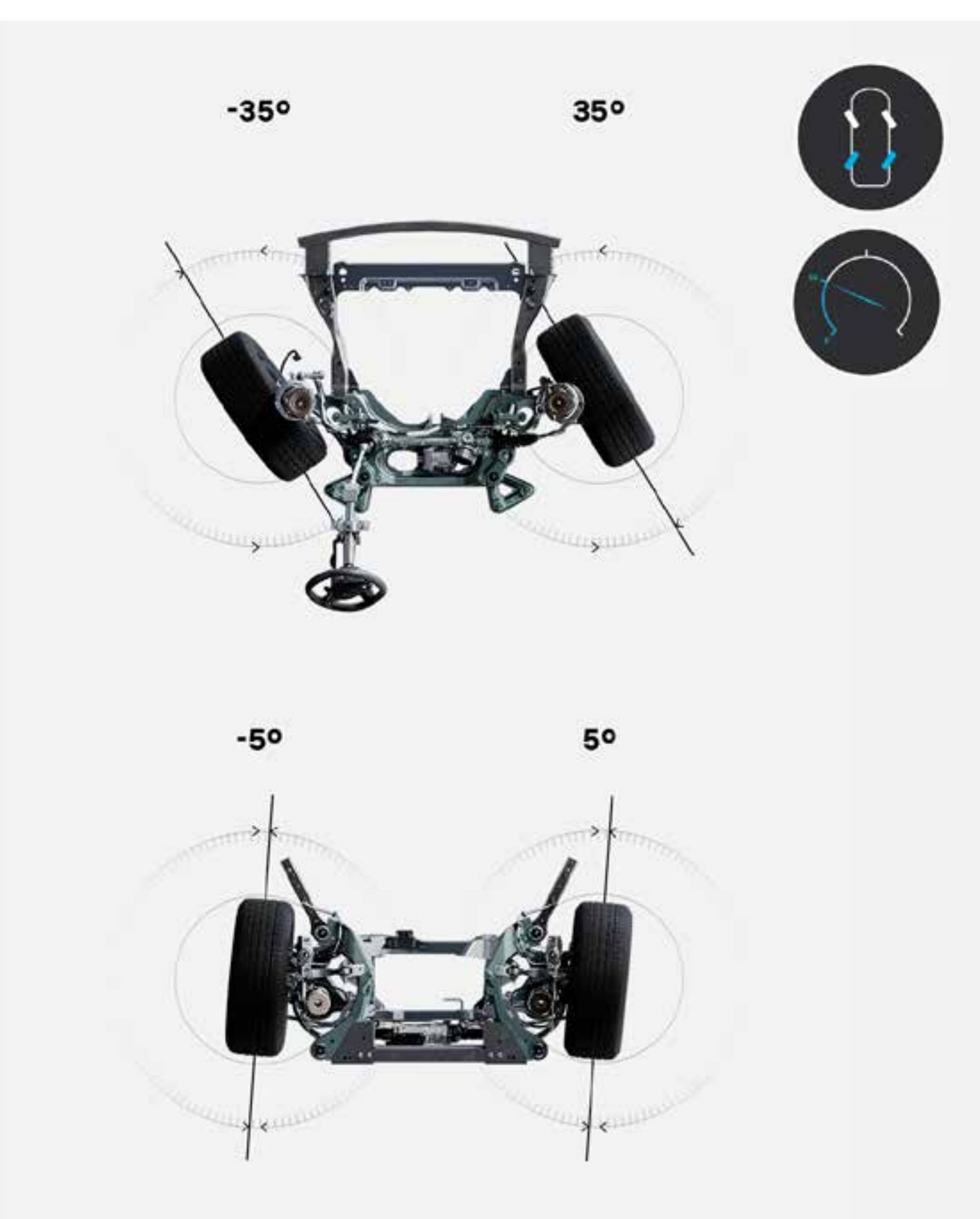
(1) Mobilize power solutions offering. For more information about Mobilize services, go to the Mobilize services page. For more information about charging, call 0800 12 34 56.

# 4Control advanced

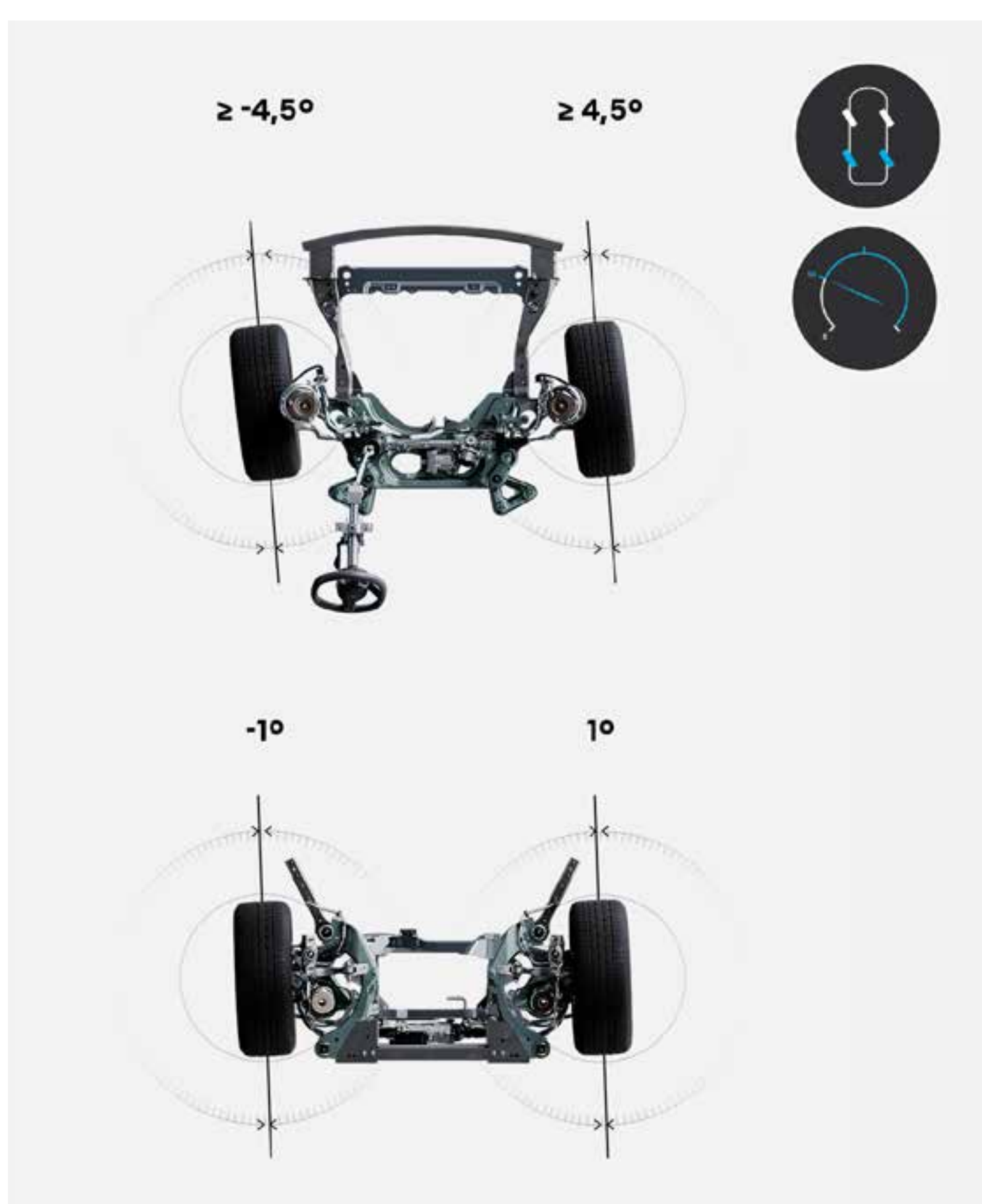
The 4Control advanced system with 4-wheel steering<sup>(1)</sup> makes trajectories clear, precise and safe. Curves and bends are perfectly controlled.



The turning circle of 10.4 m<sup>(2)</sup> is close to that of a city car.



up to 31 mph, the rear wheels turn in the opposite direction to the front wheels to reduce the turning circle and facilitate manoeuvring.



above 31 mph, the rear wheels turn in the same direction as the front wheels to improve road handling and safety.

(1) 4Control standard from techno esprit Alpine on E-Tech 200hp full hybrid and all versions of 300hp plug-in hybrid. (2) 10.4 turning circle for versions with 4Control.

# atelier Alpine version

The Renault Rafale atelier Alpine version is a perfect fusion of Alpine engineering and thrilling performance. Experience the ultimate drive with our latest-generation E-Tech 4WD 300hp plug-in hybrid engine, designed for both power and agility. Enjoy a sporty chassis, advanced active suspension with predictive camera technology, and the innovative 4Control system with 4-wheel steering. Get ready to elevate your driving experience to new heights!



The chassis tuned by Alpine engineering teams combines 4 components for driving pleasure, offering precision, outstanding grip and traction.

**chassis and running gear**

Sports tyres and specific anti-roll bar for the best grip on all types of roads with optimised road-handling and 21" chicane wheels<sup>(1)</sup> for a unique look.

**4x4 traction**

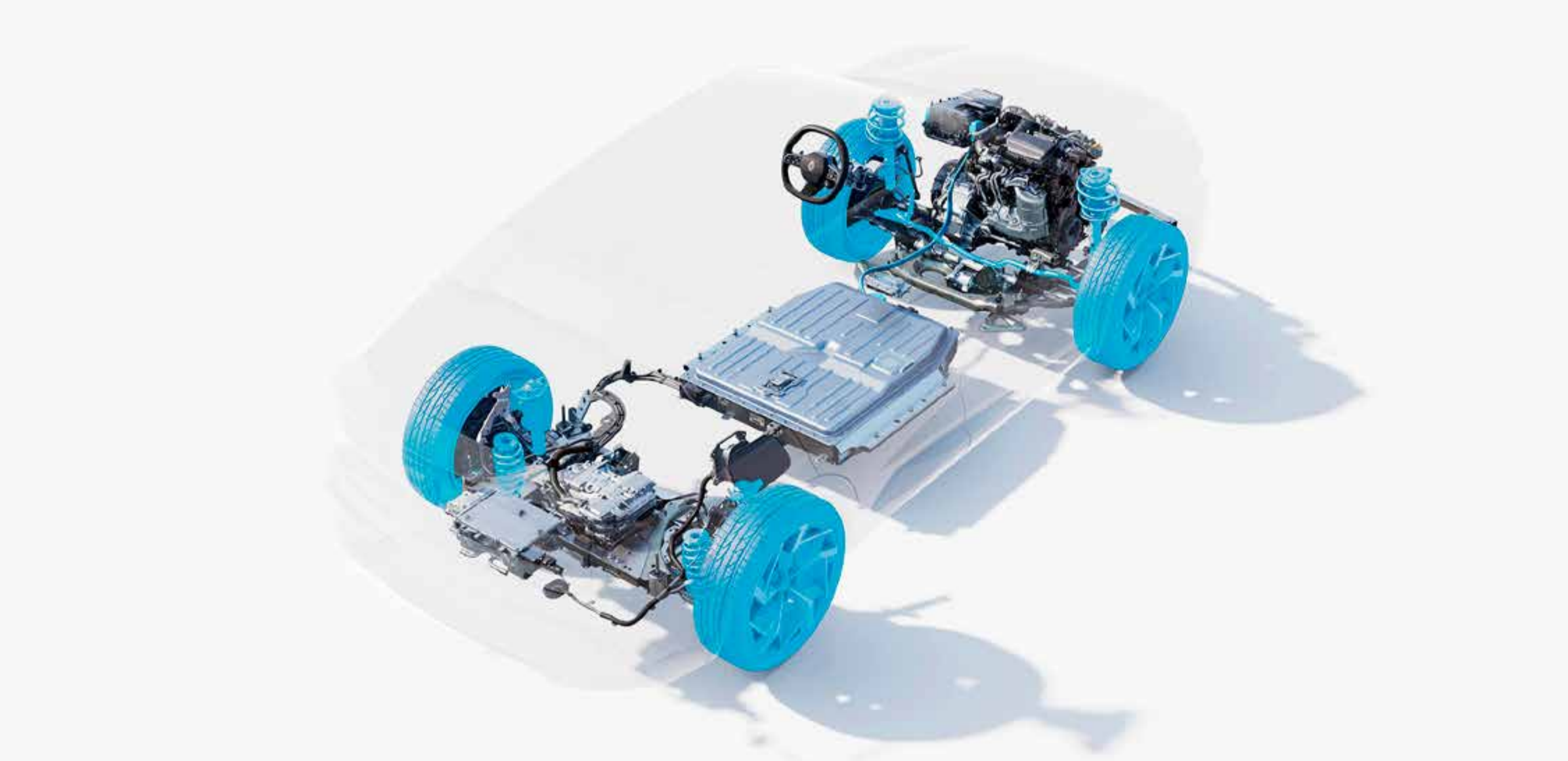
Grip and traction are optimised whatever the conditions and the type of road thanks to its permanent 4-wheel drive.

**active suspension with predictive camera**

The camera scans the road in real time and allows the shock absorbers to adapt to offer the best compromise between comfort and chassis response.

**4Control advanced**

The 4-wheel steering system provides agility and dynamism at medium and high speeds and outstanding handling at low speeds. Coupled with the multi-link rear axle, it makes trajectories clear, precise and safe.



For further customisation of your driving style, choose from one of three combinations of chassis tuning via the agility control system: comfort, dynamic and sport modes act on the level of electronic stability control (ESC), active suspension with predictive camera and 4Control advanced system.



	comfort mode	dynamic mode	sport mode
ESC assistance	high	high	intermediate
agility/dynamism	minimal	intermediate	high
depreciation	flexible	intermediate	firm

(1) only on atelier Alpine version.

**build yours →**



## innovative cockpit

At the heart of a very bright passenger compartment, the ergonomic cockpit features the controls around the steering wheel. Oriented towards the driver, the 12" of openR screens and head-up display<sup>(1)</sup> provide a high-resolution digital on-board surface.



The solarbay<sup>®</sup> opacifying panoramic sunroof<sup>(2)</sup>, measuring almost 1 m<sup>2</sup>, can be activated manually or vocally with Google Assistant<sup>(3)</sup>. With 4 different levels of opacification, it preserves light levels and thermal comfort on board in both summer and winter.



adjustable opacification with 4 modes (open/closed) and 2 zones (front/rear)

The ingenious<sup>(1)</sup> rear armrest is dedicated to multimedia activities with storage space for smartphones and tablets, 2 USB-C sockets and 2 fold-out supports for comfortable screen viewing.



one of the most generous amounts of legroom on the market with 302 mm at the rear

The boot is generous with up to 627 litres of loading volume<sup>(4)</sup>. Easily accessible thanks to the hands-free motorised tailgate<sup>(5)</sup>, it can accommodate the luggage of all passengers.



(1) available from techno esprit Alpine on E-Tech full hybrid 200hp and all versions of 300hp plug-in hybrid. (2) only on iconic esprit Alpine and atelier Alpine trim levels. (3) My Renault, Google Maps and Google Assistant connected services are provided free of charge for 5 years from the date of delivery of your vehicle. Google, Google Maps, Google News, Waze and other marks are trademarks of Google LLC. (4) including underfloor storage. (5) only available on the atelier Alpine version.

**build yours →**

# openR link multimedia system with Google built-in

The 12" openR screens give access to the openR link multimedia system with Google<sup>(1)</sup> built-in. That is more than 50 applications<sup>(2)</sup> including 11 Renault partners via Google Play<sup>(3)</sup> and a wide range of connected services and content.



Road works, changes to the direction of traffic... Google Maps<sup>(4)</sup> updates your journey and offers accurate navigation even if the network goes down.



**Voice control: say "Hey Google..." and plan your journeys, adjust the temperature, change your driving mode. The voice assistant is there for you.**



**Over 50 applications<sup>(2)</sup> with exclusive content are available via Google Play<sup>(3)</sup>, including Waze, SongPop for Renault, and Amazon Music.**



**Waze** is a community-based navigation app that shares information in real time. Waze boosts your peace of mind.



Drive to the beat with our new musical game – **SongPop for Renault!** Play together and rediscover popular songs with your family and friends!



Take to the road while listening to playlists, and much more, with **Amazon Music**, included with your Amazon Prime subscription.



Use Spotify to listen to your favourite podcasts, playlists, and artists all simply using your Google voice activation.

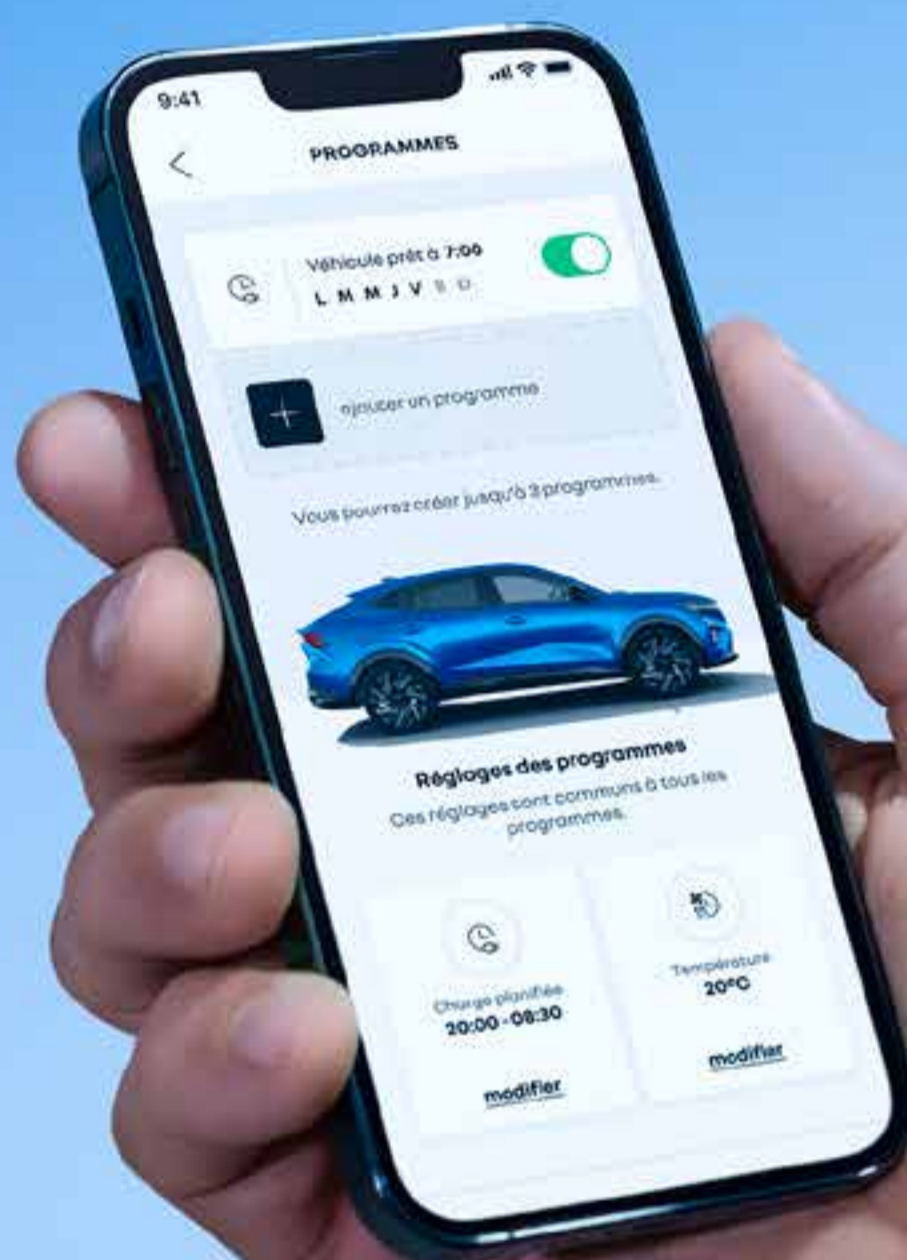


**Vivaldi browser** is an efficient, fast web browser that respects your privacy.



Access all your favourite radio stations live, at any time, in France or abroad, with **Radioplayer for Renault.**

**With the My Renault<sup>(4)</sup> app, interact remotely with your vehicle via your smartphone. Connected services, vehicle location, maintenance history, service reminders and workshop appointments: your Renault Rafale is always within reach.**

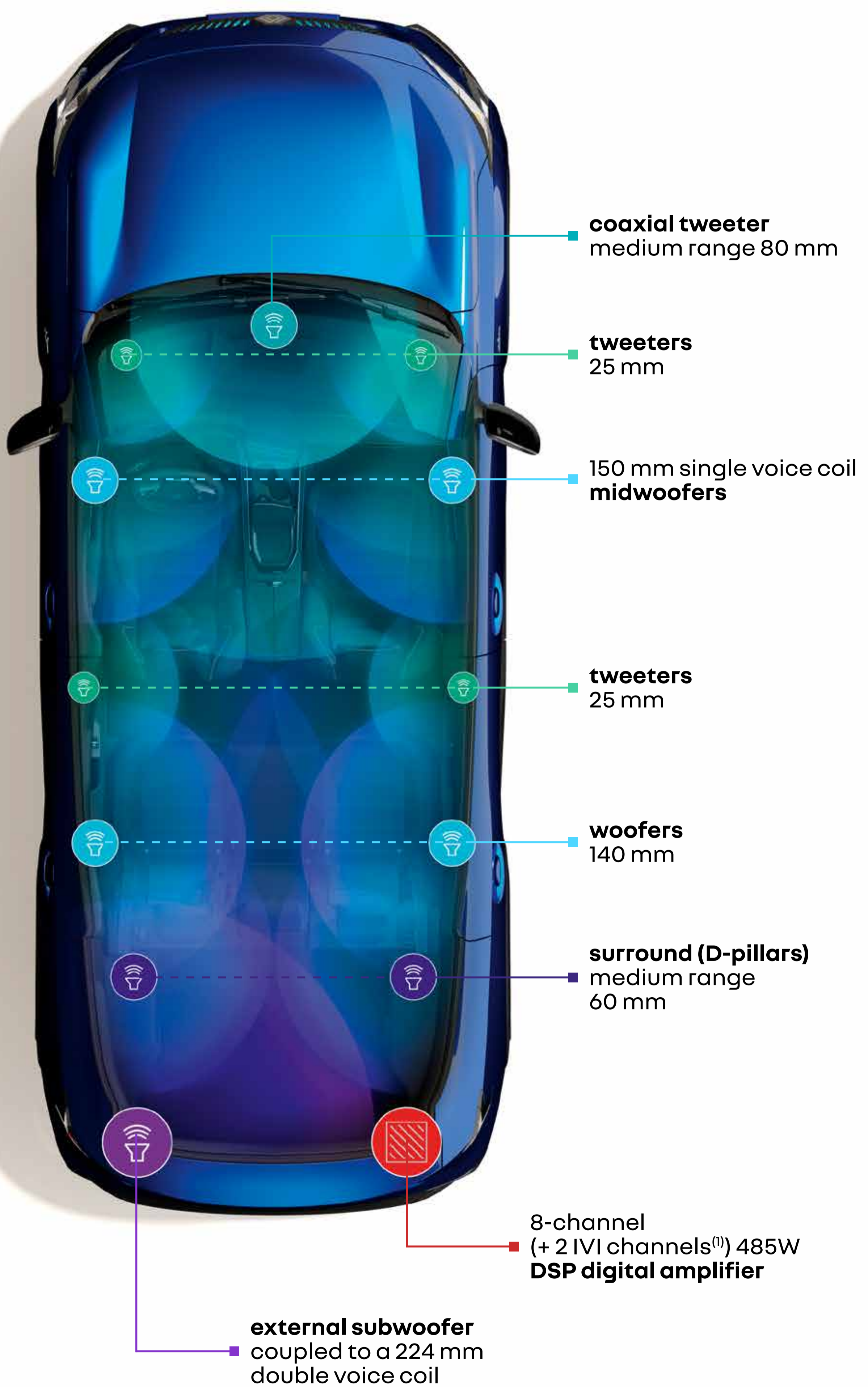


(1) Google, Google Maps, Google News, Waze and other marks are trademarks of Google LLC.  
(2) depending on country. (3) The use of applications downloaded from Google Play requires a dedicated data package. To use these apps, share your phone's connection with your Renault. (4) My Renault, Google Maps and Google Assistant connected services are provided free of charge for 5 years from the date of delivery of your vehicle.

# Harman Kardon® high-fidelity sound<sup>(2)</sup>

Perfectly sound-proofed thanks to the cocoon-effect technology developed by Renault, the passenger compartment makes it possible to make the most of the high-fidelity Harman Kardon® sound.

5 listening modes developed with Jean-Michel Jarre optimise the sound output according to the source chosen.



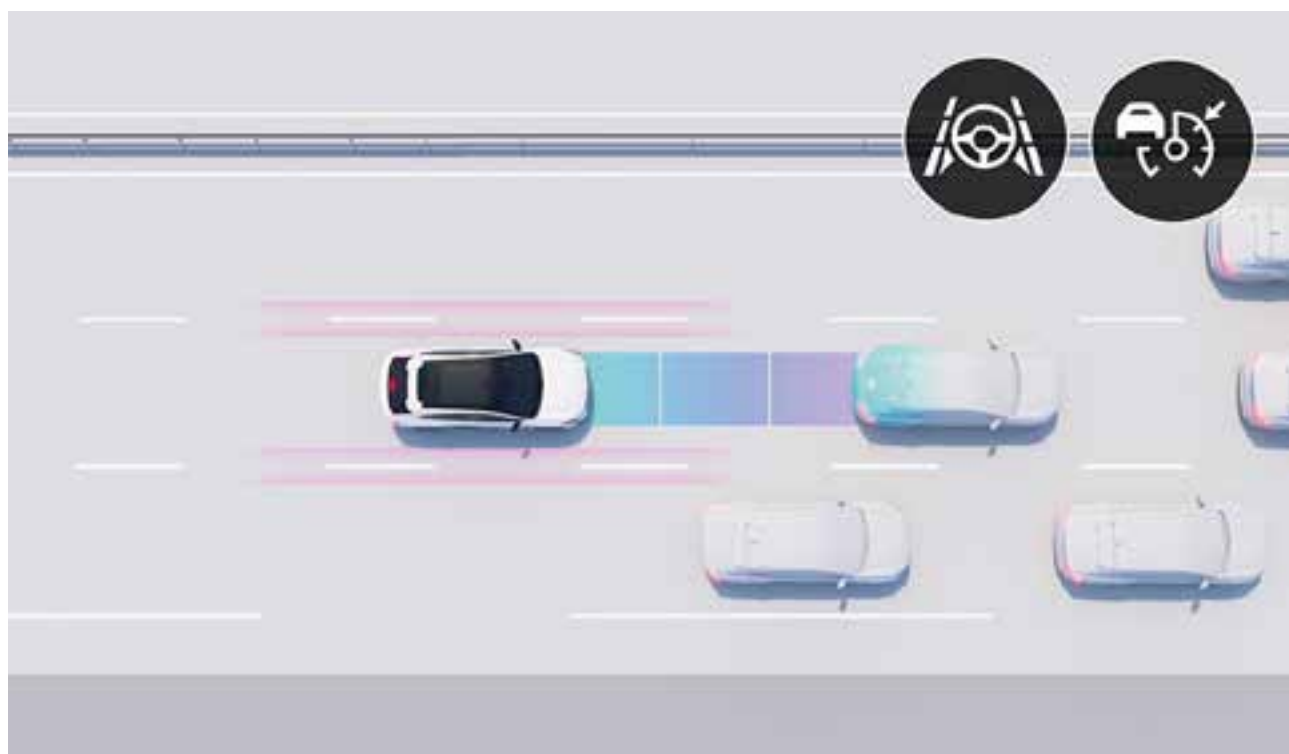
(1) on-board Infotainment (IVI). (2) only on iconic esprit Alpine and atelier Alpine.

**build yours →**

## 05. safety & security



# up to 32 advanced driver-assistance systems<sup>(4)</sup>



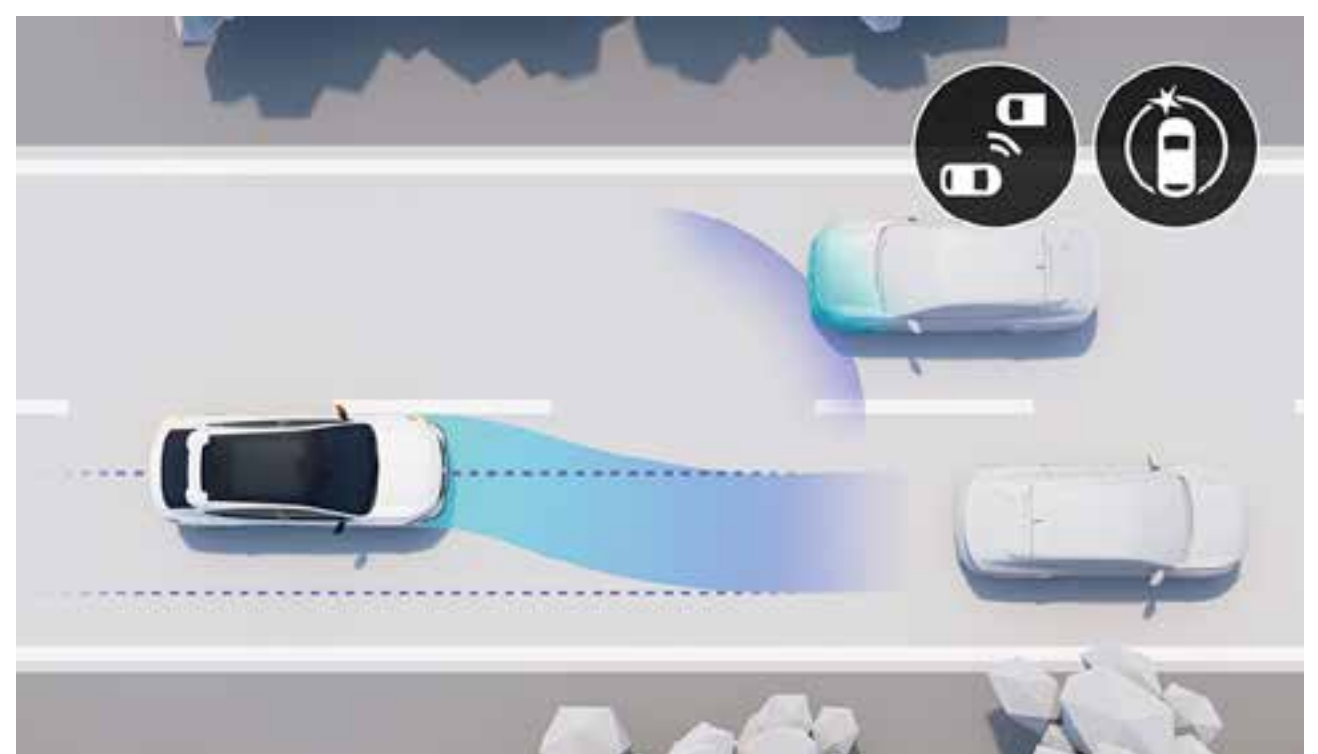
**active driver assist<sup>(1)</sup>**  
 This system regulates your speed by taking the road environment into account, maintains safe distances and ensures you remain in lane. When traffic slows down, the vehicle stops and restarts automatically.



**predictive hybrid driving<sup>(1)(2)</sup>**  
 Your car anticipates thermal, hybrid or 100% electric driving, by continuously analysing your route to know when you will be crossing through a town or if you are likely to encounter a particular topography or a traffic jam. As a result, you improve the fuel consumption and performance of your vehicle.



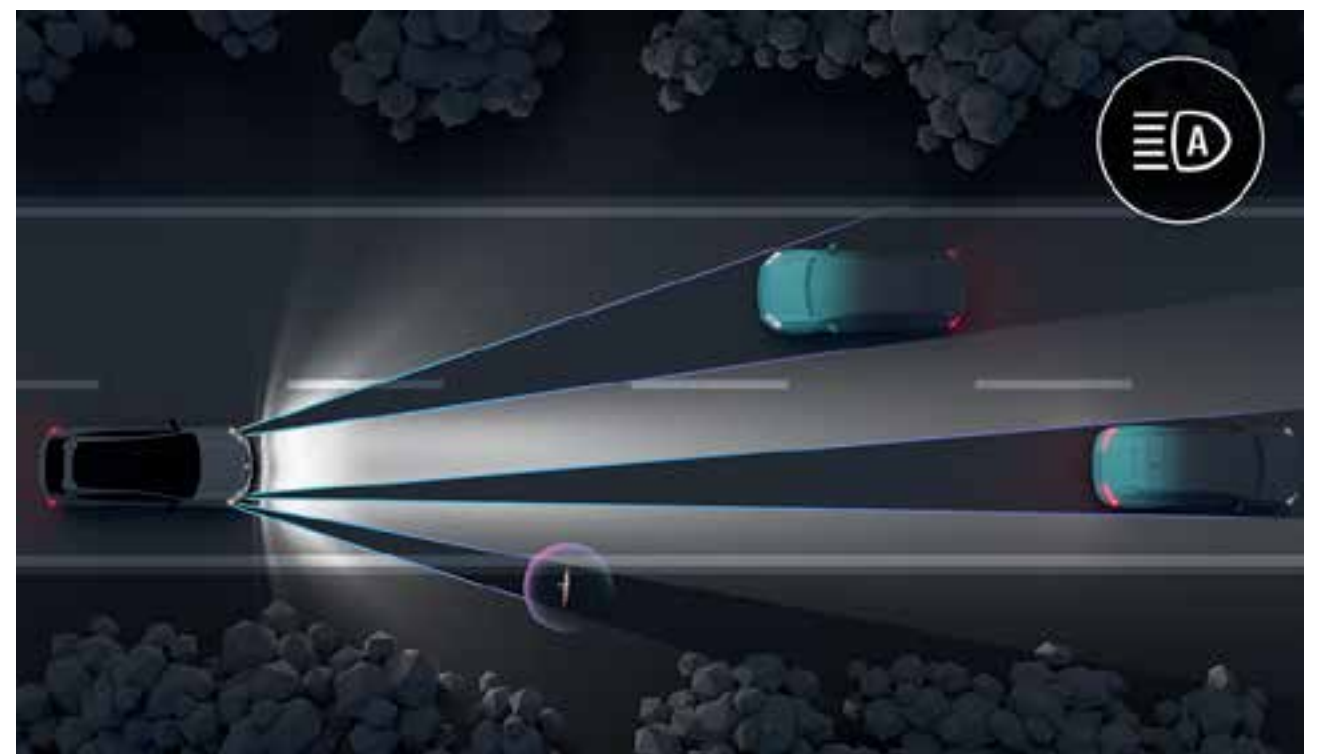
**360° around view 3D camera**  
 The 4 cameras, whose images recreate the vehicle's direct environment 360° around it, allow you to perform your manoeuvres effortlessly.



**front detection with emergency trajectory correction**  
 The system warns you of a potential collision with an overtaking vehicle in the adjacent lane. If a collision is likely, it performs an automatic emergency trajectory correction.



**automatic emergency braking system inter-urban / urban / pedestrian / cyclist**  
 It detects pedestrians coming from the front or side and stops the vehicle in the event of danger. Driving around town has never been safer, day or night.



**LED matrix vision**  
 The system automatically adjusts the light beam shape to the traffic and weather conditions to avoid glare and optimise night vision.

- driver assistance**
- active driver assist<sup>(1)</sup>
  - 9.3" head-up display
  - hill start assist
  - distance warning
  - trailer stability assist
  - automatic switching between main/dipped headlights
  - predictive hybrid driving<sup>(1)(2)</sup>
  - adaptive vision LED headlights (with integrated fog light function)
  - LED matrix vision
  - speed limiter
  - cruise control
  - adaptive cruise control
  - intelligent adaptive cruise control

- parking sensors**
- rear parking sensors
  - front parking sensors
  - side parking sensors
  - rear view camera
  - 360° around view 3D camera
  - hands-free parking

- safety assistance**
- lane departure warning
  - occupant safe exit alert
  - blind spot warning
  - rear parking space exit warning
  - lane keeping assist
  - rear detection emergency trajectory correction
  - front detection with emergency trajectory correction
  - automatic emergency braking system urban/inter-urban/pedestrian/cyclist
  - automatic emergency braking at junctions
  - automatic emergency braking when reversing
  - traffic sign recognition
  - traffic sign recognition and speeding alert<sup>(3)</sup>
  - driver attention alert system

(1) included for 5 years. (2) continuous with the 300hp engine and 4 miles with 200hp. (3) included for 14 years. (4) please check full equipment list to see full details by version.

**build yours →**

## 06. customisation

# colours



**diamond black (mp)**



**shadow grey (mp)**



**flame red (mp)**



**matte satin pearl white (s)**



**summit blue<sup>(1)</sup> (mp)**



**matte satin summit blue<sup>(2)</sup> (s)**

s: satin.

mp: metallic paint.

non-contractual photos presented with black roof option

(1) only available on esprit Alpine versions. (2) only available atelier Alpine.

**build yours →**

## 06. customisation

# interior trims



UK spec may differ from image

### techno

- adaptive cruise control
- front & rear park assist [front, rear & side parking sensors]
- rear-view camera
- heated electric folding wing mirrors
- 12.3" driver information display
- 12" openR link screen with built-in Google
- Arkamys 6-speaker audio with DAB



UK spec may differ from image

### techno esprit Alpine

- 4Control advanced: 4-wheel steering
- matrix LED vision headlights
- Alcantara® synthetic leather / fabric seats - quilted and perforated with blue back ground, and illuminated Alpine logo in front seats
- esprit alpine interior styling and welcome sequence
- heated driver and passenger seats and heated windscreen and steering wheel
- ingenious® rear armrest [with swivelling arms/fold-out stands for devices and charging ports]



UK spec may differ from image

### iconic esprit Alpine

- hands-free parking
- 360 around view 3D camera and hands-free parking
- puddle lamps [logo illumination from door mirrors]
- heated electric folding wing mirrors with memory plus tilt when reversing
- solarbay panoramic sunroof [AmpliSky darkens each segment on demand (by Google voice demand or switch) sequential darkening of the nine segments across the glass surface]
- 12" openR link screen with 12 speaker premium Harman Kardon audio system and built-in Google



### atelier Alpine

- atelier Alpine badging
- 21" chicane black diamond-cut alloy wheels with dark tint
- 21" alpine specific chassis control with three driving modes (comfort, dynamic & sport)
- active suspension system with predictive camera
- electric handsfree power boot opening
- 4x4 traction

(1) without the 4Control advanced option available at a later date. (2) My Renault, Google Maps and Google Assistant connected services are provided free of charge for 5 years from the date of delivery of your vehicle. (3) the use of applications downloaded from Google Play requires a dedicated data package. To use these apps, share your phone's connection with your Renault. You can also subscribe to a pay-as-you-go offer from our partner Orange (offer without commitment) where the first 3 GB are free (valid for 6 months).



**download the PDF (6 MB)  
of the trims and equipment**



## 06. customisation

# upholstery



**mixed "refined" textile upholstery in light grey fabric with embossed pattern<sup>(1)</sup>**



**recycled Alcantara® upholstery with perforations on a blue background/fine grain "refined" textile with blue-white-red top-stitching<sup>(2)(3)</sup>**

# wheels



**20" sonic black diamond-cut alloy wheel rims<sup>(1)</sup>**



**20" castellet black diamond-cut alloy wheels with smoked varnish<sup>(2)</sup>**



**21" chicane black diamond-cut alloy wheels with dark tint<sup>(3)</sup>**

(1) available on techno. (2) available on esprit Alpine versions. (3) available on atelier Alpine.

**build yours →**

## 06. customisation

# accessories



### premium side steps

Enhancing the sporty style with its rounded edges and original motifs, they blend in perfectly with the vehicle's design. A functional accessory that makes it easier to access the roof and protect the bodywork from everyday impacts.



### glossy black boot spoiler

Give the rear line of the boot a touch of class to emphasise the aerodynamic profile of Renault Rafale.



### high-comfort cushions on headrests

These add to the comfort and elegance of your interior, and guarantee optimum support for a first-class journey.



### esprit Alpine floor mats

Infuse the interior of your esprit Alpine with a set of mats embroidered with the Alpine "A", blue carpeting and matching topstitching.



### electric retractable towbar

Invisible when folded, it preserves the Renault Rafale design. Very easy to use, it deploys automatically in just a few seconds at the touch of a button.

 **download the accessories brochure pdf (6 MB)**

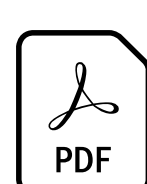
**build yours →**

## 06. customisation

# E-Tech

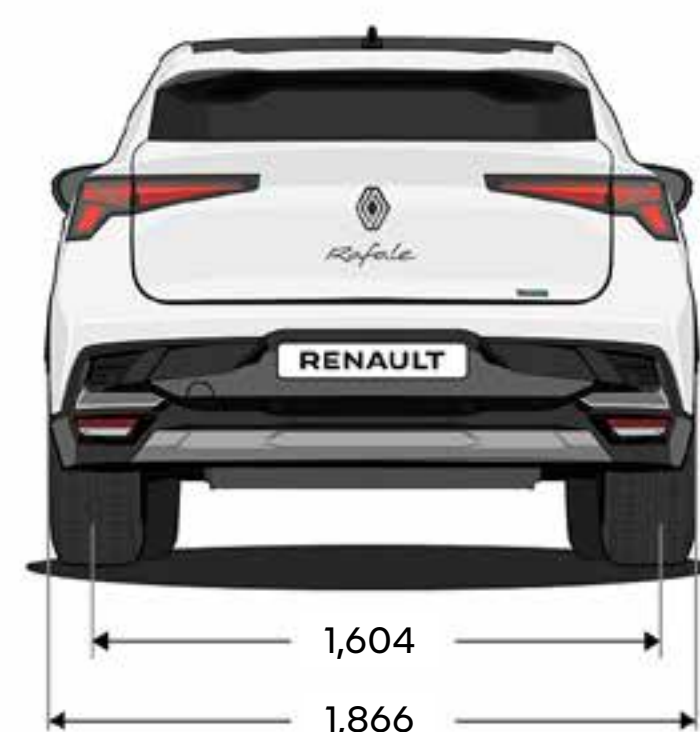
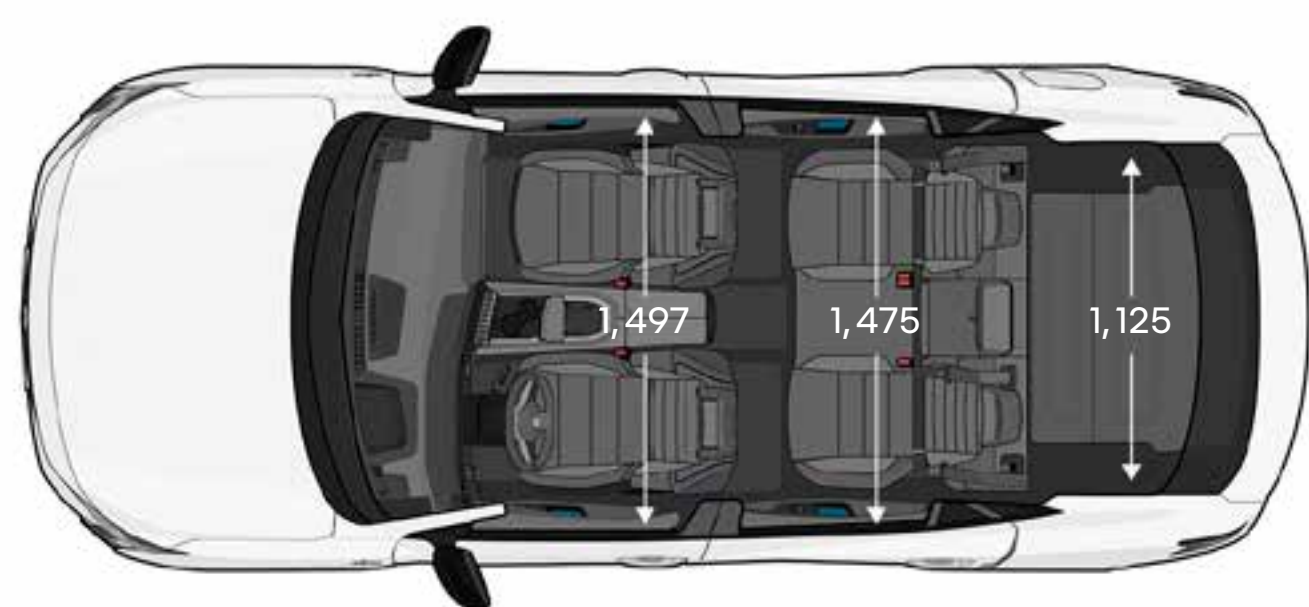
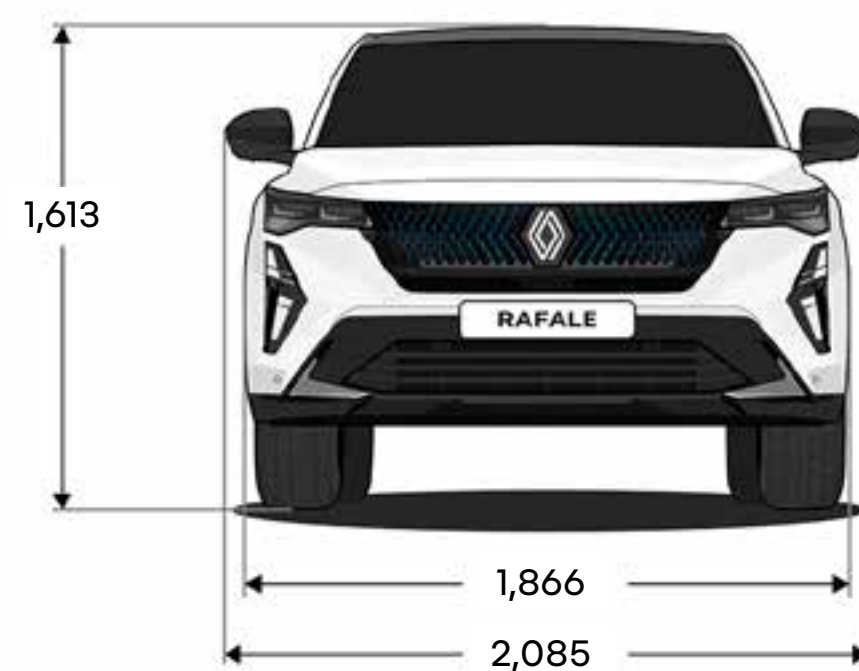
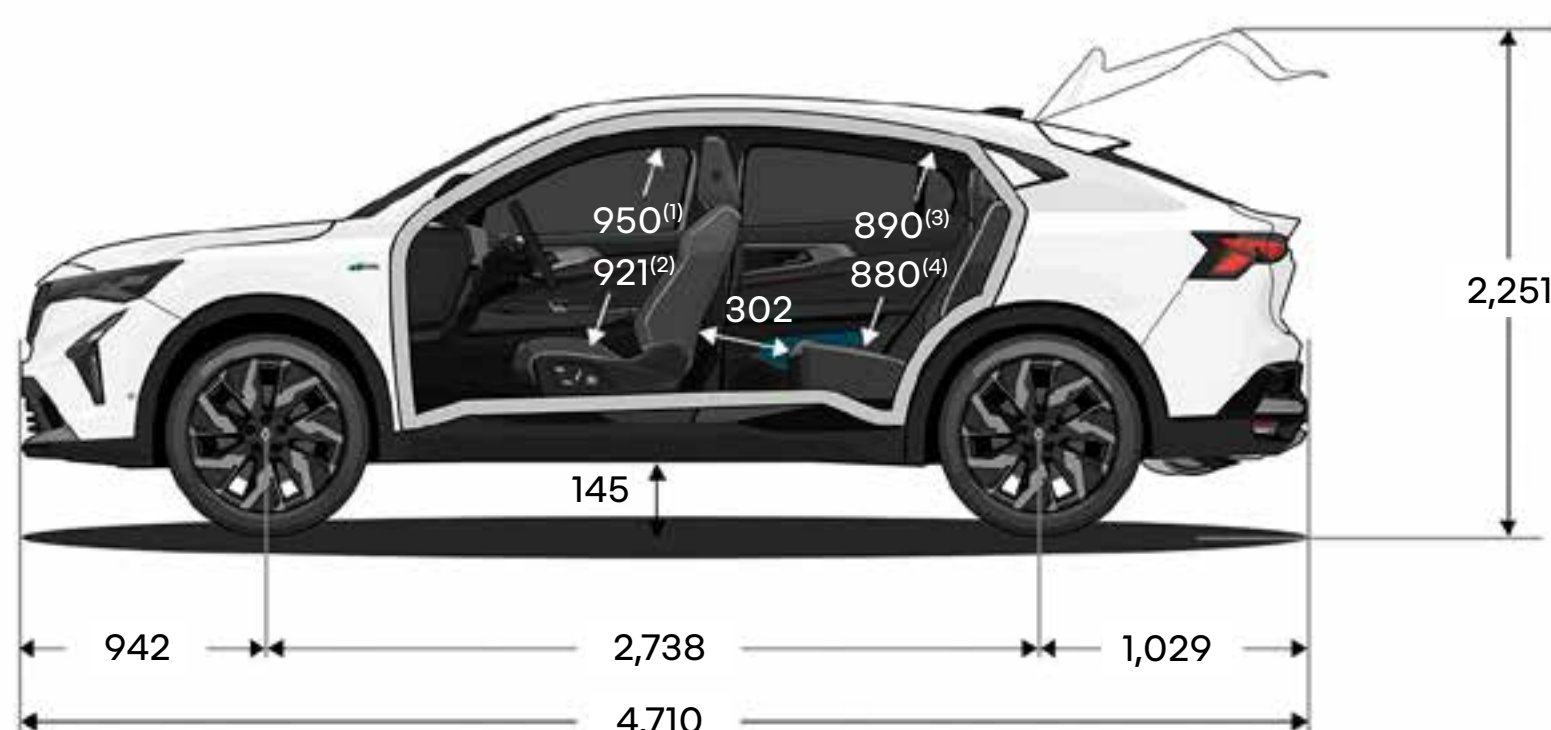
E-Tech full hybrid 200hp	E-Tech 4WD 300hp plug-in hybrid
<b>energy</b>	
electric + unleaded petrol (E10)	electric + unleaded petrol (E10)
<b>combined max. power kW EEC (hp) at engine speed of (rpm)</b>	
147 (200hp) at 4,500 rpm	221 (300hp) at 5,500 rpm
<b>combined max. torque (Nm EEC) at engine speed of (rpm)</b>	
205 + 205 (not cumulative) at 1,750 rpm	230 + 205 (not cumulative) at 1,750 rpm
<b>driving range<sup>(1)</sup></b>	
up to 683 miles of range	up to 621 miles of total range
	up to 65 miles of range in fully electric mode <sup>(2)</sup>
<b>performance</b>	
<b>top speed (mph)<sup>(3)</sup></b>	
111	
<b>0 - 62 mph (s)</b>	
8.9	6.4
<b>consumption and emissions<sup>(4)</sup> WLTP</b>	
<b>CO<sub>2</sub> (g/km)</b>	
from 105 to 107	from 12 to 15 <sup>(5)</sup>
<b>consumption over a combined cycle (mpg)</b>	
60.1	from 403.5 to 564.9 <sup>(5)</sup>
<b>volumes and weights</b>	
<b>fuel tank (litres)</b>	
55 (58 including 3 litres of reserve)	55(58 including 3 litres of reserve)

(1) with a full tank of petrol according to WLTP data. (2) in WLTP cycle, actual range depends on driving conditions (type of road, driving style and weather conditions) / source: internal Renault, 2024. (3) electronically locked speed. (4) fuel consumption and CO<sub>2</sub> emissions are certified using a standard, regulatory method. Identical for all manufacturers and allows vehicles to be compared to one another. (5) with battery charged to 100%, according to WLTP protocol.



**download the engines pdf (6 MB)**

# dimensions and volumes



boot volume (in litres)	E-Tech full hybrid 200hp	E-Tech 4WD 300hp
minimum boot volume	627	539
maximum boot volume (with seats folded down)	1,914	1,826
volume under false floor	88	0

dimensions in (mm).

(1) headroom in 1<sup>st</sup> row with solarbay®. (2) headroom in 1<sup>st</sup> row with solarbay®. (3) headroom in 2<sup>nd</sup> row with solarbay®. (4) headroom in 2<sup>nd</sup> row with solarbay®.

**build yours →**

**the human first program is a comprehensive safety programme developed by Renault in collaboration with researchers, experts and the fire service.**

**because road safety concerns all road users, whether they are pedestrians, cyclists, motorists, the human first program by Renault is committed to:**

- 1. prevent accidents by developing safety equipment and advanced driver-assistance and safety systems**  
up to 32 advanced driver-assistance systems/more than 60 safety features, up to 7 airbags, child seats (Isofix), Renault Fixe4sure solution / more than 2,000 safety-related patents filed since 1970
- 2. manage accidents once they have happened by drawing on innovations developed in collaboration with firefighters**  
QRescue / Fireman Access / more than 5,000 firefighters trained over 10 years in 19 countries worldwide / around 400 cars donated per year for their training
- 3. reduce the number of accidents and their severity by investing massively in R&D**  
safety score / safety coach / connected services / big data / artificial intelligence and cybersecurity systems

**[learn more about the human first programme](#)**

# **Renault care service**

**Replace what is necessary, at the right time. Thanks to its connected and predictive maintenance features, it is easy to service your Renault Rafale E-Tech. And thanks to the My Renault application, quotes, online appointments and even service history are at your fingertips.**

**[find out more about Renault care service](#)**



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