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THE NEW TOYOTA RAV4 PLUG-IN HYBRID

INTRODUCTION

The new RAV4 Plug-in takes its place at the pinnacle of the RAV4 range and as the flagship of Toyota's hybrid model line-up, delivering an unmatched combination of power and environmental efficiency in its class.

Its introduction strengthens and extends the appeal of the RAV4, the model which created the market for recreational SUVs and which has amassed more than 10 million worldwide sales.

Toyota has applied its world-leading hybrid electric technology expertise to create the RAV4 Plug-in, producing a vehicle that is not only powerful, but which also outperforms all its rivals in terms of low emissions and fuel economy. The model's final homologation data indicates 22g/km CO_2 and 282.4mpg (WLTP combined cycle).

It operates as an authentic electric vehicle: EV running is its default mode, in which it can cover up to 46 miles in urban driving (WLTP city cycle) on a full battery charge, comfortably more than the average European daily commute, and reach speeds of 84mph (where permitted), with no intervention from the hybrid powertrain.

When extra engine power is needed, the capability of the 2.5-litre engine ensures efficiency remains class-leading. Battery charging is simple and safe and can be accomplished in 2.5 hours using a 230 V/32 A connection. Owners can use the Toyota MyT app to schedule and monitor battery charging remotely and also operate the air conditioning system to warm up or cool the cabin before setting off.

Beyond its sophisticated and effective powertrain technology, the RAV4 Plug-in retains all the qualities that have made the fifth generation RAV4 so successful since its launch in late 2018. This includes the dynamic benefits of the low centre of gravity and high body rigidity inherent in the Toyota GA-K vehicle platform. It also comes as standard with AWD-i intelligent all-wheel drive.

The RAV4 Plug-in is a complementary model to the RAV4 Hybrid, consolidating Toyota's

electrification programme.

PERFORMANCE AND TECHNOLOGY

With RAV4 Plug-in, Toyota has created a vehicle with a dual DNA: one that has strong and genuine EV capabilities and which can also operate with highly efficient hybrid electric power.

Toyota has drawn on its experience of engineering two generations of Prius Plug-in and has adopted an incremental approach to add extra performance to the efficiency characteristics of its plug-in technology. This has produced what is the most powerful model in the RAV4 range and one which delivers best-in-class performance in its segment in terms of EV driving range, CO_2 emissions and fuel efficiency.

For Prius Plug-in, the focus was on extending the EV driving range by using a larger high-voltage battery with the established 53 kW electric motor from the hybrid model. By contrast, RAV4 uses a more powerful motor together with a larger battery and inverter to gain significantly more drive power as well as the ability to cover much greater distances and travel at high speeds in EV mode.

Maximum output for the full powertrain, including the 2.5-litre hybrid engine, is 302bhp/225 kW – 38 per cent more than the RAV4 Hybrid – enabling 0-62mph acceleration in 6.0 seconds – 2.1 seconds faster than the hybrid AWD-i model. Drivability is improved, for example with 50 per cent more power available at 37mph (60km/h).

In EV mode, performance is comparable to a 2.0-litre petrol model, with 0-62mph acceleration in 10 seconds.

2.5-litre hybrid engine

RAV4 Plug-in's engine is a higher output version of the 2.5-litre unit featured in the hybrid model with an improved torque curve.

The 2,487cc, four-cylinder, 16-valve DOHC Atkinson cycle powerplant features Dual VVT-i intelligent intake (electrically controlled) and exhaust valve timing and D-4S direct/indirect fuel injection with multi-hole injectors. The long, 103.4mm stroke and the high 14.0:1 compression ratio help gain higher output and fuel efficiency. Maximum power of 182bhp/136kW is delivered at 6,000rpm compared to RAV4 Hybrid's 176bhp/131kW at

5,700rpm.

The hybrid system operates an automatic warm-up phase to help protect the petrol engine against excessive wear that might occur if it is called on to make regular cold starts when the vehicle is running at motorway speeds. Power is limited, then progressively increased. The driver is alerted to the warm-up status by the engine icon showing blue in the hybrid energy flow display.

New hybrid system

The new hybrid system delivers a class-leading combination of power and efficiency. With maximum output of 302bhp/225kW, the RAV4 Plug-in is the most powerful model in the RAV4 range and Toyota's most powerful hybrid. At the same time, its efficiency is remarkable, with significant improvements on the levels achieved by the RAV4 Hybrid.

It is also unique in its class in offering an authentic EV drive. In fact, EV mode is the default: the hybrid engine will not intervene, giving the driver the freedom to cover around 46 miles (75km, WLTP cycle) and achieve speeds (where permitted) of up to 84mph – suitable for motorway driving – with zero fuel consumption and zero tailpipe emissions. And under City WLTP cycle driving, the EV range can reach more than 60 miles.

Depending of the battery state of charge (SOC), the vehicle will automatically switch to hybrid operation. This is a key benefit derived from basing the plug-in system on Toyota's highly efficient hybrid technology.

Hybrid system upgrades

Toyota has developed a more powerful hybrid system for RAV4 Plug-in, using the compact and lightweight components of the fourth generation hybrid technology featured in the hybrid version of the SUV, with detailed changes to optimise performance in the context of a plug-in hybrid vehicle.

There is a new lithium-ion battery, with energy capacity increased to 18.1kWh. It contains 96 cells and has a rated voltage of 355.2V. An increased current allows for more power: maximum output is thus significantly higher than from the unit in RAV4 Hybrid.

The battery is located beneath the vehicle floor, which helps lower the centre of gravity and avoids intrusion in the load space or cabin. The cells are cooled using refrigerant from the

vehicle’s air conditioning system, which also helps maintain the car’s EV performance.

There is a specific change to the power control unit, too. Adding a boost converter has increased the current so that more power can be drawn from the high-voltage battery. The DC-DC converter has been made smaller, quieter and more efficient, and has better cooling performance. It is housed beneath the rear seats, taking up less cabin space.

The front electric motor produces 134kW (compared to 88kW in RAV4 Hybrid); the rear motor’s output is unchanged at 40kW. With increased support from the electric motor, the hybrid engine is able to run at low revs. This further contributes to the car’s superior noise and vibration levels (further details below).

Drive modes

RAV4 Plug-in has four modes for its plug-in hybrid system:

- EV (electric vehicle) mode – the default mode
- HV (hybrid vehicle) mode
- Auto HV/EV mode
- Charging mode

It operates by default as an electric vehicle (EV), running in EV priority mode, and will continue to run purely on its electric power, even with hard use of the accelerator pedal. When the limit of EV driving range is reached in EV mode, the vehicle automatically switches to HV mode.

The driver has the flexibility of using HV mode to start their journey, switching to EV driving to maximise efficiency when necessary, for example, when entering an urban area.

In Auto EV/HV mode, the hybrid system will automatically come into play when extra power is required, for example under sharp, sudden acceleration, with EV mode resuming immediately afterwards.

Battery charging mode helps restore the level of battery charge when the level is too low for EV operation, drawing power generated by the engine.

The sequential shiftmatic system allows the driver to use the paddle shifts on the steering

wheel to gain engine braking. Further assistance is provided by Deceleration Assist Control which automatically increases drive motor deceleration torque when downhill braking is detected. This makes for a smoother drive with less need for the driver to use the brakes.

Acceleration performance

The power of the plug-in hybrid system delivers a strong feeling of acceleration when driving in HV mode or auto EV/HV mode. The engine's responsiveness and the higher output from the high-voltage battery give quick performance, with nought to 62mph covered in just six seconds.

The control system determines whether the driver wants a smooth, linear increase in speed, or immediate, peak response. In Sport mode, the non-linear performance gives a feeling of more immediate response to increase the level of driving pleasure.

Noise, vibration and quietness

Numerous measures have been taken to reduce noise and vibration levels experienced in the cabin and achieve quiet performance from the plug-in hybrid system.

For example, the transaxle is designed so there is less resonance from the gears. The gears themselves have polished tooth surfaces for smoother and quieter operation. A damper system reduces shock and rattle on start-up, as well as fluctuations in torque in constant-speed driving.

As explained in the Performance and Technology section above, there is less noise from the hybrid engine as it can run at lower revs compared to RAV4 Hybrid. Noise and vibration are also suppressed by additional insulation in the wing linings and front pillars and the use of acoustic glass for the windscreen and front side windows.

Air conditioning system with heat pump

RAV4 Plug-in's air conditioning system operates with efficiency while still ensuring cabin comfort, even when the vehicle is in EV mode. It uses a pump that draws thermal energy from the air outside the car to heat the cabin, so running the air conditioning has less impact on the car's EV driving range.

The system's efficient design includes S-FLOW control which directs heating and ventilation only to seats which are occupied – driver, front passenger and the rear seats. Performance is adjusted according to the temperature selected, the ambient temperature, cabin

temperature and the amount of sunlight. Power is also saved with an “off” setting for the dehumidifier, disabling the function when it would have no effect on window misting, odours or cabin comfort.

DRIVING PLEASURE

RAV4 Plug-in’s dynamic character builds on the essential strengths of its GA-K platform by taking advantage of an even lower centre of gravity.

The platform is already notable for the low centre of gravity it secures for the RAV4 Hybrid, but thanks to the lay-out of the powertrain and, in particular, the location of the high-voltage battery beneath the floor, the centre of gravity has been lowered further. This strengthens the vehicle’s handling and stability and adds to its fun-to-drive quality.

The GA-K platform also delivers the benefits of light weight and high body rigidity, underpinning the car’s “confident and natural” drive. It takes uneven surfaces in its stride, communicating stability, and responds naturally to the driver’s inputs.

RAV4 Plug-in uses the same double wishbone rear suspension as the hybrid model, tuned for ride comfort. Because of the low centre of gravity and high body rigidity, the suspension does not have to be made stiffer to achieve the desired dynamic performance.

Intelligent electric all-wheel drive

All versions of RAV4 Plug-in are equipped with AWD-i, Toyota’s intelligent electric all-wheel drive system, as featured on the RAV4 Hybrid. Compact and lightweight, AWD-i uses a 40kW electric motor on the rear axle, giving the car the all-wheel drive performance expected of an SUV, but with superior fuel efficiency compared to a mechanical system. It operates equally when the vehicle is in its default EV mode, or when running in HV mode, with support when required from the engine.

The front/rear torque ratio is automatically optimised according to driving conditions, giving better handling and stability in slippery conditions and off-road driving, keeping the plug-in hybrid faithful to the RAV4’s essential “drive on any road” character.

Trail Mode

RAV4 Plug-in reinforces its all-wheel drive performance with Trail Mode, an automatic locking system for the limited-slip differential that the driver can engage using a centre

console mounted control. This ensures the best possible grip on slippery and loose surfaces and can help the driver negotiate more challenging off-road conditions. For example, if one wheel loses contact with the ground, Trail Mode will brake the spinning wheel and direct drive torque to the grounded wheel to gain traction, while also automatically adjusting the throttle response and transmission shift pattern.

Drive modes

The driver can switch between Normal, Eco and Sport driving modes, adjusting throttle performance to suit their preference, or the driving conditions (Sport mode adapts both the car's acceleration and deceleration). This selection can be made in any of the four hybrid modes, as detailed in the Performance and Technology chapter above.

DESIGN AND PACKAGING

Toyota has ensured RAV4 Plug-in's new hybrid system is packaged without compromising comfort, space and utility in both the cabin and the load compartment.

The new model shares the same external dimensions as the RAV4 Hybrid and its powertrain is designed so that it does not intrude into the cabin. There is just a small decrease in the load space capacity, with the floor being raised by 35mm. At 520 litres, the volume remains competitive with other models in the segment.

The boot floor is flat and has additional storage space for the charging cable beneath the deck board. The load surface remains flat when the rear seats (divided 60:40) are folded, and a flush joint with the rear finish plate makes it easy to slide heavy items into place.

With no awkward intrusions in the side of the load area, the space is practical for carrying large items. There is room for four golf bags or two 77-litre suitcases. Towing capacity is a maximum 1.5 tonnes with a braked trailer, and there is no reduction in the size of the fuel tank, its 55-litre capacity giving the vehicle an exceptional cruising range.

Exterior design

Externally, only a few small details distinguish RAV4 Plug-in from its hybrid sibling, reflecting its "refined sports" character. There is a metal-look finish to the lower front moulding and rear garnish above the licence plate, dark chrome detailing in the headlight units and a dark plating for the front grille. The rear skid plate is painted black. The charging point is concealed beneath a flap on the rear right-wing.

RAV4 Plug-in Dynamic models are fitted with 19-inch alloy wheels as standard. These have a five-double-spoke design with a contrast bright machined and black finish. The Design model runs on dark grey/machined 18-inch alloys.

The introduction of the plug-in model introduces a new body colour to the RAV4 Range, Scarlet Flare, offered in a bi-tone finish with a black roof and pillars.

Interior design

The spacious cabin is fitted with sports seats, upholstered in fabric on the Design grade model and part-leather on the Dynamic grade.

The front seats have integrated heating and power adjustment and the driver's seat has lumbar support as standard.

In other respects, the quality and convenience of the fifth generation RAV4 is preserved, including excellent all-round vision for the driver. The GA-K platform allows for a low hip point on the driver's seat, contributing the sense of connection with the vehicle and an engaging driving experience. A generous range of seat and steering wheel adjustment makes it easy for drivers to find just the right position at the wheel.

There is comfortable access to the rear seats with wide-opening rear doors and a reduced distance between the hip point and sill. Spacious footwells and air vents add to the rear cabin comfort.

UK model range and equipment features

RAV4 Plug-in introduces new equipment features and options that meet the demands of today's customers for more sophisticated connectivity, comfort and convenience. Two versions are available in the UK: Design and Dynamic.

The Design grade provides 18-inch alloy wheels, 10.3-inch touchscreen, multimedia package with satellite navigation and smartphone integration (Apple CarPlay and Android Auto), six-speaker audio with DAB and Bluetooth, reversing camera, heated front and outer rear seats, power-adjustable driver's seat, auto-folding door mirrors with puddle lights, LED dual-beam projector headlights, smart entry and push-button start, dual-zone air conditioning with remote operation, auto-dimming rear-view mirror, automatic headlights and wipers and front and rear parking sensors.

The Dynamic specification adds 19-inch alloy wheels with contrast black and machined finish, part-leather upholstery, wireless phone charger and a bi-tone paint finish.

A 230V/150W power outlet is provided as standard. This can be used to power mobile devices, without having to worry about the impact on battery performance. Home electric appliances of 150W or less can also be connected. There are also 12V sockets in the cabin and load space and Aux/USB sockets for connecting smartphones and music players.

Toyota Safety Sense

Since its introduction of Toyota Safety Sense in 2015, Toyota has committed itself to the democratisation of advanced safety technologies in its cars. Its active safety systems provide effective means of avoiding collisions or mitigating the effects of an accident by warning the driver, preparing safety systems for optimum operation and, if necessary, triggering automatic braking or steering assistance.

In its commitment to building a safe mobility society and the ultimate goal of zero road accident fatalities and injuries, Toyota has continued to develop Toyota Safety Sense to refine and enhance the operation of its systems.

The 2023 model year RAV4 Plug-in benefits from the latest Toyota Safety Sense, with increased functionality and new features. The new RAV4 gains enhanced Toyota Safety Sense functions that can warn the driver and help avoid a wider range of common road accident risks.

The Pre-Collision System (PCS) gains intersection support that can help with safer turns at junctions. It will detect if the car is about to cross the path of any oncoming traffic, and if there are any pedestrians crossing the road into which the vehicle is moving, alerting the driver and, if necessary, initiating braking control to help avoid an impact. It can detect pedestrians on the road ahead during low-light driving as well as in daylight. It has the added capability of recognising bicycles in the vehicle’s path.

Emergency Steering Assist is also newly provided, helping the driver avoid a pedestrian who has stepped into the road, while keeping the car under control and within its traffic lane.

The intelligent Adaptive Cruise Control is able to work in conjunction with the car’s Road Sign Assist system. When the car is travelling at a constant, pre-set speed, iACC can

recognise new speed limits on major roads and let the driver adjust the speed to keep within the limit, simply by using switches on the steering wheel.

Road Sign Assist itself has been enhanced so that it can recognise a wider range of road sign warnings and commands, presenting the information on the driver's multi-information display.

RAV4 Plug-in's Toyota Safety Sense includes a Lane Tracing Assist function, which provides a degree of automated driving support. LTA monitors the line markings on motorways and principal routes and applies steering assist to keep the car centred within its lane, when travelling at speeds above 31mph. This can reduce collision risks and the burden on the driver when making long motorway journeys.

The intelligent Adaptive Cruise Control and Lane Tracing Assist work together in slow, stop/go traffic, tracking the vehicle ahead within the traffic lane, maintaining a safe distance and speed, bringing the vehicle to a halt when necessary and moving off seamlessly when traffic flow resumes. This can relieve the driver of much of the stress of driving in slow traffic and significantly reduce the risk of common low-speed rear-end collisions.

Lane Departure Alert with Steering Assist can recognise road margins on straight roads where there are no clear lane markings. If it is difficult or impossible for the system to detect lane markings, for example when driving in heavy traffic, it will track the path of the vehicle ahead, using the front-mounted camera and radar. Also, in combination with LTA, it performs corrective steering operation when lane departure without the driver's intention is detected.

SAFE AND EFFICIENT CHARGING OPTIONS

Ease of charging is a key concern for any electric vehicle owner. Toyota RAV4 Plug-in provides safe and efficient options that allow a full battery recharge in just two-and-a-half hours.

The vehicle is equipped with an on-board fast-charger that can support up to 6.6kW. without compromising the battery's durability. As standard, it is supplied with a 7.5m Type 2 Mode 2 cable for connection to 10A home power supply, which enables a recharge in 7.5 hours.

The charging socket on the vehicle is located on the rear right wing with a flap that automatically locks and unlocks with the vehicle doors. The inlet has heat protection and an

indicator light to show when charging is in progress and completed.

For optimum speed of recharging and safety, Toyota recommends the combination of a Type 2 Mode 3 32A cable (provided as standard) and a wallbox unit. With this compact, integrated set-up, recharging can be accomplished in about 2.5 hours, with no impact on the customer's domestic power supply.

Toyota will also be making a "connected" wallbox system available that can be used by customers with different cars, identified by RFiD card recognition. The unit's connectivity will also link to services such as billing and charging history, and enable remote software updates, via the MyT app.

The design of these Toyota products is future-proofed. They are all 22kW units that will be able to serve vehicles introduced with more powerful on-board chargers.

A CONNECTED CAR

RAV4 Plug-in is the first Toyota model to give the driver remote control of vehicle functions, including the air conditioning system, via the MyT customers' app.

Toyota's research confirms that customers choosing to buy plug-in hybrid electric vehicles expect app-based access to their vehicle, and it has made remote functions for battery management, charging and on-board comfort part of RAV4 Plug-in's standard specification.

Remote charging control

The owner can schedule the charging time for the vehicle, for example setting the start time to take advantage of off-peak energy tariffs.

The MyT app also allows them to check the status of the vehicle's battery, the current driving range and the time remaining for complete charge, information that's particularly useful when the vehicle is connected to a public charging point. Alerts can be received to warn of a low battery charge level or any problems with the charging process.

Comfort control

The new system allows the owner to start the car's heating or ventilation before they get behind the wheel. A defrost setting can clear screens and warm the car so no time is wasted when leaving the house; likewise, the cabin can be cooled down ready for departure on a

hot day.

The system will run for up to 20 minutes, so operation can be synchronised with the time the owner wants to begin their journey.

These functions are in addition to established MyT app services, such as sending navigation destinations to the vehicle, car-to-door directions for the last part of a journey, find-my-car location; and driving analytics. Toyota will be rolling out further services in the future to increase the connected quality of its vehicles, true to its ambition to help provide mobility for all.

Digital combimeter

It's a feature of all new Toyota models that the driver can view and take in key vehicle data at-a-glance, so there is least distraction from their focus on driving and the road ahead. RAV4 Plug-in features a new digital combimeter in the instrument binnacle that comes with flexible display settings – technology first seen on the bZ4X battery electric SUV. There is a choice of four styles and three layouts and personalisation options for the 12.3-inch display so the driver can choose the most relevant information needed between the numerical speedometer and digital dials, as well as other information such as an eco-driving meter, audio track information, or Adaptive Cruise Control display, among others.

These layouts are presented in four different style themes for a more customised look-and-feel: Casual, Smart, Sport and Tough.

Timeline and UK sales

YEAR	MONTH	EVENT
1989		Original RAV4 concept is presented at the Tokyo Motor Show.
1994	June	First generation RAV4 launched in the UK, with a three-door body and 2.0-litre petrol engine.
1995	June	A five-door body style is introduced.
1997		An electric powered RAV4 is developed; a number are used for tourist transport on Jersey.
1998	January	The range is revised and a soft-top three-door version introduced.
2000	August	The second generation RAV4 is launched.
2001	July	A 2.0 D-4D diesel engine is made available.

2006	February	The third generation RAV4 is launched in the UK, with 2.0 VVT-I and 2.2 D-4D 140 and 180 engines. The T180 becomes the new top-of-the range model. Three-door body style is discontinued.
	November	An electric-powered RAV4, developed with Tesla, is unveiled at the Los Angeles motor show.
2012	November	The fourth generation RAV4 makes its debut, at the Los Angeles motor show.
2016	January	The RAV4 Hybrid is added to the range.
2018	March	World premiere of the fifth generation RAV4 at the New York Auto Show.
	October	The fifth generation RAV4 makes its European debut at the Paris Motor Show.
2019	April	Start of UK sales of the fifth generation RAV4.
	November	RAV4 Plug-in Hybrid is revealed at the Los Angeles Auto Show.
2020	April	Worldwide RAV4 sales pass 10 million units.
2021	January	The RAV4 Plug-in is launched.
2022	October	Dynamic Premium grade is discontinued.

Sales in UK markets in 2021: 1,563

Total UK sales since launch: 1,570

RAV4 PLUG-IN TECHNICAL SPECIFICATIONS

2.5-litre HYBRID ENGINE	
Engine code	A25A-FXS
Engine type	4 cylinders in-line
Valve mechanism	16-valve DOHC, VVT-i (intake) and VVT-i (exhaust)
Fuel injection	D4S electronic fuel injection
Displacement (cc)	2,487
Bore x stroke (mm)	87.5 x 103.48
Compression ratio	14.0:1
Total system output (bhp/DIN hp/kW)	**302/306/225**
Max. engine power (bhp/kW @ rpm)	182/185/136 @ 6,000
Max. engine torque (Nm @ rpm)	227 @ 3,200 – 3,700
PLUG-IN HYBRID SYSTEM	
Electric motor (front)	
Type	AC permanent magnet, synchronous motor
Max. power (kW)	134
Max. torque (Nm)	270
Electric motor (rear)	
Type	AC permanent magnet, synchronous motor
Max. power (kW)	40
Max. torque (Nm)	121
Hybrid battery	
Type	Lithium-ion
Nominal voltage	355.2
Number of modules	96
Capacity (kWh)	18.1
On-board charger (kW)	6.6
TRANSMISSION	
Type	Planetary gear system All-Wheel Drive- intelligent (AWD-i)
Front gear ratio	3.412:1
Rear gear ratio	10.781:1
PERFORMANCE	
Max. speed (mph)	112
0-62mph (sec)	6.0
EV driving range (WLTP combined cycle)	46.47 miles
FUEL CONSUMPTION, EMISSIONS & INSURANCE	
Combined fuel consumption – weighted combined WLTP data (mpg)	282.5
Fuel tank capacity (l)	55
CO_2 emissions – weighted combined, WLTP data (g/km)	22
Insurance groups	34E – 35E

SUSPENSION		
Front		MacPherson strut
Rear		Double wishbone
Anti-roll bar diameter (mm)	Front	25.4
	Rear	23.2
BRAKES		
Front (diameter, mm)		Ventilated discs, 340
Rear (diameter, mm)		Ventilated discs, 317
STEERING		
Type		Rack and pinion, electric power steering
Ratio		14.4:1
Turns lock to lock		2.65
Min. turning radius – tyre/body (m)		5.8/6.1
TYRES AND WHEELS		
Wheel size		18 or 19in
Tyre size		225/60R18 235/55R19
WEIGHTS		
Kerb weight (min/max kg)		1,930-1,995
Towing capacity - unbraked (kg)		750
Towing capacity - braked (kg)		1,500
Gross Vehicle Weight (kg)		2,510
DIMENSIONS – EXTERIOR		
Overall length (mm)		4,600
Overall width (mm)		1,855
Overall height – including roof rails (mm)		1,690
Wheelbase (mm)		2,690
Front track (mm)		1,600
Rear track (mm)		1,630
Front overhang (mm)		910
Rear overhang (mm)		1,000
Ground clearance (mm)		190
Angle of approach (deg)		17.5
Angle of departure (deg)		20
Coefficient of drag (Cd)		0.32
DIMENSIONS – INTERIOR		
Interior length (mm)		1,890
Interior width (mm)		1,515
Interior height (mm)		1,230
DIMENSIONS – LUGGAGE COMPARTMENT		
Capacity – rear seats in place, loaded to tonneau cover, including space beneath deck board (l)		520
Capacity – rear seats folded, up to tonneau cover (l)		1,168
Capacity – rear seats folded, up to roof (l)		1,604

RAV4 PLUG-IN EQUIPMENT SPECIFICATIONS

SAFETY	DESIGN	DYNAMIC
Toyota Safety Sense: Pre-Collision, Emergency Steering Assist, Lane Departure Alert with steering control, Lane Trace Assist, intelligent Adaptive Cruise Control, Automatic High Beam, Road Sign Assist	✓	✓
Driver and front passenger front and side airbags	✓	✓
Driver's knee airbag	✓	✓
Curtain airbags	✓	✓
Front passenger airbag occupant detection	✓	✓
Front passenger airbag on/off switch	✓	✓
Seatbelts with pre-tensioners and force limiters	✓	✓
Front and rear seatbelt reminders	✓	✓
Adjustable driver and front passenger seatbelt extender	✓	✓
Driver and front passenger whiplash injury-lessening seats	✓	✓
ISOFIX child seat fixings on outer rear seats	✓	✓
ABS with Electronic Brakeforce Distribution	✓	✓
Brake Assist	✓	✓
Emergency brake light signal	✓	✓
Vehicle Stability Control	✓	✓
Traction Control	✓	✓
Hill-start Assist Control	✓	✓
Trailer Sway Control	✓	✓
Driver attention alert	✓	✓
Tyre pressure monitoring system	✓	✓
Speed limiter with memory	✓	✓
Automatic headlight levelling	✓	✓
eCall	✓	✓
COMFORT AND CONVENIENCE	**DESIGN**	**DYNAMIC**
Dual-zone air conditioning with remote operation	✓	✓
Rear cabin air vents	✓	✓
Blue ambient lighting for front console and cup holders	✓	✓
Electric power steering	✓	✓
Front and rear parking sensors	✓	✓
Manual steering wheel tilt and telescopic adjustment	✓	✓
Power windows	✓	✓
Front and rear centre arm rests		✓
Front footwell lights	✓	✓
Light in load compartment	✓	✓
Illuminated entry system	✓	✓
Floor mats		✓
Auto-dimming rear-view mirror	✓	✓
12V power outlets – front cabin and load compartment	✓	✓
220V power outlet in load compartment	✓	✓
INSTRUMENTS & CONTROLS	**DESIGN**	**DYNAMIC**
Drive Mode Select	✓	✓
Digital speedometer	✓	✓
Reversing camera with dynamic guidelines	✓	✓
Head-up display	×	×
Automatic wipers	✓	✓
Automatic headlights	✓	✓

Smart entry and push-button start	✓	✓
Follow-me-home headlights	✓	✓
Remote tailgate release in cabin	✓	✓
Electronic parking brake	✓	✓
Multimedia, phone, voice recognition and safety system switches on steering wheel	✓	✓
6.6kW on-board fast charger	✓	✓
7.5m cable with home charging plug	✓	✓
AUDIO, INFORMATION & ENTERTAINMENT	**DESIGN**	**DYNAMIC**
Toyota Smart Connect with 10.3in touchscreen	✓	✓
Satellite navigation	✓	✓
12.3in digital combimeter	✓	✓
6-speaker audio system	✓	✓
JBL nine-speaker premium sound system	×	Opt
Smartphone integration via Apple CarPlay and Android Auto	✓	✓
2x USB ports in front armrest	✓	✓
2x rear USB ports	✓	✓
Wireless phone charger	×	✓
Access to MyT app connected services	✓	✓
SECURITY	**DESIGN**	**DYNAMIC**
Remote central locking with double locking	✓	✓
Alarm with glass-breaking, tilt and motion sensors	✓	✓
Speed-detecting automatic door locks	✓	✓
STORAGE	**DESIGN**	**DYNAMIC**
Locking glovebox	✓	✓
Double-sided load space deck board	✓	✓
Front and rear bottle holders	✓	✓
Pockets in front seat seatbacks	✓	✓
Console box	✓	✓
Sunglasses holder	✓	✓
Underfloor storage in load space	✓	✓
Retractable tonneau cover	✓	✓
Dual-level deck board	✓	✓
SEATING, UPHOLSTERY & TRIM	**DESIGN**	**DYNAMIC**
Heated front and outer rear seats	✓	✓
Reclining rear seats	✓	✓
Power-adjustable driver’s seat with electric lumbar support	✓	✓
Power adjustable front passenger seat	×	×
Memory setting for driver’s seat	×	×
Cloth upholstery	✓	×
Part-leather upholstery	×	✓
Leather steering wheel trim	✓	✓
Black headlining	✓	✓
Soft-touch black upper dashboard with silver inserts	✓	✓
Leather shift lever trim with chrome surround	✓	✓
60:40 folding rear seats	✓	✓
EXTERIOR & BODYWORK	**DESIGN**	**DYNAMIC**
18in grey/machined alloy wheels	✓	×
19in black/machined alloy wheels	×	✓
Rear privacy glass	✓	✓
Black roof rails	✓	✓
Gloss black roof	✓	✓
Black bumpers	✓	✓

Gloss black door mirror casings	✓	✓
Black rear spoiler and shark fin antenna	✓	✓
Body-colour door handles	✓	✓
Black door mouldings	✓	✓
Black honeycomb upper grille	✓	✓
Dual-beam LED projector headlights	✓	✓
Front fog lights	✓	✓
LED daytime running lights	✓	✓
Power-adjustable heated, auto-folding door mirrors	✓	✓
Puddle lights in door mirrors	✓	✓
Power tailgate	✓	✓
Black front & rear under-runs	✓	✓
Dual exhaust tailpipes	✓	✓
Tyre repair kit	✓	✓
Bi-tone paint finish	×	✓
Skyview power-opening panoramic roof	×	Opt

OPTION PACKS	**DESIGN**	**DYNAMIC**	**DYNAMIC PREMIUM**
Essential Protection Pack: boot liner, mud flaps, chrome bumper protection plate	Opt	Opt	Opt
Protection+ Pack: boot liner, mud flaps, chrome bumper protection plate, rubber mats	Opt	Opt	Opt
Chrome Pack: chrome side sills and lower tailgate garnish	Opt	Opt	Opt
Side steps – black with chrome detail	Opt	Opt	Opt
Detachable tow bar, 7 or 13-pin primary hook-up	Opt	Opt	Opt

ENDS

Ref:221026M