

## TOYOTA RAV4 TECHNICAL SPECIFICATIONS

<b>2.0-litre Valvematic</b>	
Engine code	3ZR-FAE
Type	Four cylinders in-line
Valve mechanism	16-valve, DOHC, chain drive with Valvematic and Dual VVT-i
Fuel system	Electronic fuel injection
Bore x stroke (mm)	80.5 x 97.6
Displacement (cc)	1,987
Compression ratio	10.0:1
Max. power (bhp/kW @ rpm)	149/111 @ 6,200
Max. torque (Nm/rpm)	195 @ 4,400
<b>2.5-litre VVT-i HYBRID - ENGINE</b>	
Engine code	2AAR-FXE
Engine type	4 cylinders in-line
Valve mechanism	16-valve DOHC, VVT-i
Displacement (cc)	2,494
Bore x stroke (mm)	90.0 x 98.0
Compression ratio	12.5:1
<b>Total system output – front electric motor and hybrid engine (bhp/kW)</b>	<b>195/145</b>
Max. engine power (bhp/kW @ rpm)	150/112 @ 5,700
Max. engine torque (Nm @ rpm)	206 @ 4,400 – 4,800
<b>2.5-litre VVT-i HYBRID – HYBRID SYSTEM</b>	
<b>Electric motor (front)</b>	
Type	AC permanent magnet, synchronous motor
Max. power (bhp/kW)	141/105
Max. torque (Nm)	270
<b>Electric motor (rear)</b>	
Type	AC permanent magnet, synchronous motor
Max. power (bhp/kW)	68/50
Max. torque (Nm)	139
<b>Hybrid battery</b>	
Type	Nickel metal-hydride
Nominal voltage	244.8
Number of cells	204

System voltage		650		
Total system output – front electric motor and hybrid engine (bhp/kW)		195/145		
<b>PERFORMANCE</b>		<b>2.0 Vmatic MDS AWD</b>	<b>2.5 HYBRID E-CVT FWD</b>	<b>2.5 HYBRID E-CVT AWD</b>
Max. speed (mph)		115	112	112
0-62mph (sec)		9.9	8.4	8.4
<b>FUEL CONSUMPTION,* EMISSIONS* &amp; INSURANCE</b>		<b>2.0 Vmatic MDS AWD</b>	<b>2.5 HYBRID E-CVT FWD</b>	<b>2.5 HYBRID E-CVT AWD</b>
Combined (mpg)	17in wheel	-	50.4	-
	18in wheel	42.2	53.3	50.4
Urban (mpg)	17in wheel	-	50.4	-
	18in wheel	35.8	53.3	48.7
Extra-urban (mpg)	17in wheel	-	51.4	-
	18in wheel	46.3	53.3	53.3
Fuel tank capacity (l)		60	56	
CO <sub>2</sub> (g/km, combined)	17in wheel	-	122	-
	18in wheel	154	-	127
Insurance groups		22E/23E	27E	28E/29A
<b>SUSPENSION</b>				
Front		MacPherson strut		
Rear		Double wishbone		
<b>BRAKES</b>				
Front (diameter x thickness, mm)		Ventilated discs 296 x 28		
Rear (diameter x thickness, mm)		Solid discs 281 x 12		
Additional features		ABS, Electronic Brakeforce Distribution, Brake Assist, Downhill Assist Control (A/T models only). Hill-start Assist Control, VSC, Traction Control		
<b>STEERING</b>				
Type		Rack and pinion, Electric Power Steering		
Ratio		14.5:1		
Turns lock to lock		2.83		

Min. Turning circle – tyre/body (m)	5.3/5.7 – 17in wheel 5.6/6.0 – 18in wheel		
<b>TYRES AND WHEELS</b>			
Wheel size	17 x 7J alloy		18 x 7.5J alloy
Tyre size	225/65R17		235/55R18
<b>WEIGHTS</b>	<b>2.0 Vmatic AWD MDS</b>	<b>2.5 HYBRID E-CVT FWD</b>	<b>2.5 HYBRID E-CVT AWD</b>
Kerb weight (min/max kg)	1,605 – 1,615	1,710	1,775 – 1,810
Towing capacity - unbraked (kg)	750	750	750
Towing capacity - braked (kg)	1,500	800	1,650
Gross Vehicle Weight (kg)	2,110	2,205	2,205
<b>TRANSMISSION</b>	<b>2.0 Vmatic AWD MDS</b>	<b>2.5 HYBRID E-CVT FWD</b>	<b>2.5 HYBRID E-CVT AWD</b>
<b>GEAR RATIOS</b>			
Reverse	1.751	-	-
Final gear ratio	1 <sup>st</sup> – 4 <sup>th</sup>	2.277	-
	5 <sup>th</sup> , 6 <sup>th</sup>	5.791	-
	Differential	-	3.750
<b>DIMENSIONS – EXTERIOR</b>			
Overall length (mm)	4,605		
Overall width (mm)	1,845		
Overall height (mm)	1,675		
Wheelbase (mm)	2,660		
Front track (mm)	1,570 – 17in wheel 1,560 – 18in wheel		
Rear track (mm)	1,570 – 17in wheel 1,560 – 18in wheel		
Front overhang (mm)	930		
Rear overhang (mm)	1,015		
Coefficient of drag (Cd)	0.34 – 0.36		
<b>DIMENSIONS – INTERIOR</b>			
Interior length (mm)	1,935		
Interior width (mm)	1,505		

Interior height (mm)	1,220
<b>DIMENSIONS – LUGGAGE COMPARTMENT</b>	
Capacity – seats in place (l)	547 501 - Hybrid
Capacity – seats folded, up to roof (l)	1,735 1,633 - Hybrid
Load area length (mm)	1,025
Load area width (mm)	1,335
Load area height (mm)	945

**\* Fuel consumption and emissions figures are NEDC equivalents of WLTP data.**

Ref: 18511M