

## 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>2.0-litre D-4D</b>	
Engine code	2WW
Type	Four cylinders in-line
Valve mechanism	16-valve DOHC
Fuel system	Common rail fuel injection
Bore x stroke (mm)	84.0 x 90.0
Displacement (cc)	1,995
Compression ratio	16.5:1
Max. power (bhp/kW @ rpm)	141/105 @ 4,000
Max. torque (Nm/rpm)	320 @ 1,750 – 2,250
<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
Max. power (bhp/kW @ rpm)	150/112 @ 5,700
Max. 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 D-4D 6MT FWD</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)		121	115	112	112
0-62mph (sec)		9.6	9.9	8.4	8.4
<b>FUEL CONSUMPTION, EMISSIONS, VED &amp; INSURANCE</b>		<b>2.0 D-4D 6MT FWD</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	60.1	-	57.6	-
	18in wheel	60.1	43.5	-	55.4
Urban (mpg)	17in wheel	52.3	-	57.6	-
	18in wheel	51.4	34.4	-	55.4
Extra-urban (mpg)	17in wheel	65.7	-	56.5	-
	18in wheel	65.7	50.4	-	57.6
Fuel tank capacity (l)		60		56	
CO <sub>2</sub> (g/km, combined)	17in wheel	123	-	115	-
	18in wheel	124	152	-	118
VED Rating		D	G	C	C
Insurance groups		28E/29A/30A	27E/28E	32A	34A
<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			
Tyre size	225/65R17			
	18 x 7.5J alloy			
	235/55R18			
<b>WEIGHTS</b>	<b>2.0 D-4D FWD 6MT</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 – 1,625	1,605 – 1,615	1,710	1,775 – 1,810
Towing capacity - unbraked (kg)	750	750	750	750
Towing capacity - braked (kg)	1,600	1,500	800	1,650
Gross Vehicle Weight (kg)	2,135	2,110	2,205	2,205
<b>TRANSMISSION</b>	<b>2.0 D-4D FWD/AWD 6MT</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>				
1 <sup>st</sup>	3.818	-	-	-
2 <sup>nd</sup>	1.913	-	-	-
3 <sup>rd</sup>	1.218	-	-	-
4 <sup>th</sup>	0.880	-	-	-
5 <sup>th</sup>	0.809	-	-	-
6 <sup>th</sup>	0.711	-	-	-
Reverse	4.139	1.751	-	-

Final gear ratio					
	1 <sup>st</sup> – 4 <sup>th</sup>	4.058	2.277	-	-
	5 <sup>th</sup> , 6 <sup>th</sup>	3.450	5.791	-	-
	Differential	-	-	3.750	3.542
<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			

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