

TOYOTA RAV4 TECHNICAL SPECIFICATIONS

2.0-litre Valvematic	
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
2.0-litre D-4D	
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
2.5-LITRE VVT-i HYBRID - ENGINE	
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
Total system output – front electric motor and hybrid engine (bhp/kW)	195/145
Max. engine power (bhp/kW @ rpm)	150/112 @ 5,700
Max. engine torque (Nm @ rpm)	206 @ 4,400 – 4,800
2.5-LITRE VVT-i HYBRID – HYBRID SYSTEM	
Electric motor (front)	
Type	AC permanent magnet, synchronous motor
Max. power (bhp/kW)	141/105
Max. torque (Nm)	270
Electric motor (rear)	
Type	AC permanent magnet, synchronous motor
Max. power (bhp/kW)	68/50
Max. torque (Nm)	139
Hybrid battery	
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			
PERFORMANCE		2.0 D-4D 6MT FWD	2.0 Vmatic MDS AWD	2.5 HYBRID E-CVT FWD	2.5 HYBRID E-CVT AWD
Max. speed (mph)		121	115	112	112
0-62mph (sec)		9.6	9.9	8.4	8.4
FUEL CONSUMPTION, EMISSIONS & INSURANCE		2.0 D-4D 6MT FWD	2.0 Vmatic MDS AWD	2.5 HYBRID E-CVT FWD	2.5 HYBRID E-CVT AWD
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 ₂ (g/km, combined)	17in wheel	123	-	115	-
	18in wheel	124	152	-	118
Insurance groups		23E/24E	22E/23E	27E	28E/29A
SUSPENSION					
Front		MacPherson strut			
Rear		Double wishbone			
BRAKES					
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			
STEERING					
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			
TYRES AND WHEELS					
Wheel size		17 x 7J alloy		18 x 7.5J alloy	
Tyre size		225/65R17		235/55R18	
WEIGHTS		2.0 D-4D FWD 6MT	2.0 Vmatic AWD MDS	2.5 HYBRID E-CVT FWD	2.5 HYBRID E-CVT AWD
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
TRANSMISSION	2.0 D-4D <i>FWD/AWD 6MT</i>	<i>2.0 Vmatic AWD</i> <i>MDS</i>	2.5 HYBRID E-CVT FWD	2.5 HYBRID E-CVT AWD
GEAR RATIOS				
1 st	3.818	-	-	-
2 nd	1.913	-	-	-
3 rd	1.218	-	-	-
4 th	0.880	-	-	-
5 th	0.809	-	-	-
6 th	0.711	-	-	-
Reverse	4.139	1.751	-	-
Final gear ratio				
	1 st – 4 th	4.058	2.277	-
	5 th , 6 th	3.450	5.791	-
	Differential	-	-	3.750
				3.542
DIMENSIONS – EXTERIOR				
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			
DIMENSIONS – INTERIOR				
Interior length (mm)	1,935			
Interior width (mm)	1,505			
Interior height (mm)	1,220			
DIMENSIONS – LUGGAGE COMPARTMENT				
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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