

TOYOTA AVENSIS TECHNICAL SPECIFICATIONS

1.8 VALVEMATIC					
Engine code		2ZR-FAE			
Type		Four cylinders in-line			
Valve mechanism		DOHC 16-valve Valvematic			
Displacement (cc)		1,798			
Bore x stroke (mm)		80.5 x 88.3			
Compression ratio		10.7:1			
Max. power (bhp/kW @ rpm)		145/108 @ 6,400			
Max. torque (Nm @ rpm)		180 @ 4,000			
1.6 D-4D					
Engine code		1WW			
Type		Four cylinders in-line			
Valve mechanism		DOHC 16-valve, common rail injection, hydraulic valve clearance compensation			
Displacement (cc)		1,598			
Bore x stroke (mm)		78.0 x 83.6			
Compression ratio		16.5:1			
Max. power (bhp/kW @ rpm)		110/82 @ 4,000			
Max. torque (Nm @ rpm)		270 @ 1,750 – 2,250			
2.0 D-4D					
Engine code		2WW			
Type		Four cylinders in-line			
Valve mechanism		DOHC 16-valve, common rail injection, hydraulic valve clearance compensation			
Displacement (cc)		1,995			
Bore x stroke (mm)		84.0 x 90.0			
Compression ratio		16.5:1			
Max. power (bhp/kW @ rpm)		141/105 @ 4,000			
Max. torque (Nm @ rpm)		320 @ 1,750 – 2,250			
TRANSMISSIONS					
Engine		1.8 Valvematic		1.6 D-4D	2.0 D-4D
Transmission		6MT	MDS	6MT	6MT
Gear ratios	1 st	3.538	-	3.818	
	2 nd	1.913	-	1.913	
	3 rd	1.310	-	1.218	
	4 th	0.971	-	0.860	
	5 th	0.818	-	0.790	
	6 th	0.700	-	0.638	

	Forward	-	2.480 – 0.396	-	
	Reverse	3.333	2.604 – 1.680	4.139	
Final drive ratio		4.214	5.698	3.526 (1 st – 4 th)	3.777 (1 st – 4 th)
BRAKES					
Front		Ventilated discs			
Rear		Solid discs			
Additional features		ABS, EBD, BA, VSC+, TRC			
STEERING					
Type		Rack and pinion electric power steering			
Ratio		13.3:1			
Turns lock-to-lock		2.7			
Min. turning radius – tyre (m)		5.4			
SUSPENSION					
Front		MacPherson strut			
Rear		Double wishbone			
PERFORMANCE					
Engine		1.8 Valvematic		1.6 D-4D	2.0 D-4D
Transmission		6MT	MDS	6MT	6MT
Max. Speed (mph)	Saloon	124	124	115	124
	Wagon	124	124	115	124
0-62mph (sec)	Saloon	9.4	10.4	11.4	9.5
	Wagon	9.7	10.7	11.7	9.8
FUEL CONSUMPTION, EMISSIONS & INSURANCE					
Fuel consumption					
Engine		1.8 Valvematic		1.6 D-4D	2.0 D-4D
Transmission		6MT	MDS	6MT	6MT
Urban	Saloon – 16in wheel	34.9	35.3	55.4	-
	Saloon – 17in wheel	34.9	34.9	55.4	49.6
	Saloon – 18in wheel	-	-	-	47.9
	Wagon – 16in wheel	34.9	35.3	55.4	-
	Wagon – 17in wheel	34.0	34.0	55.4	49.6
	Wagon – 18in wheel	-	-	-	47.9
Extra-urban	Saloon – 16in wheel	57.6	58.9	78.5	-
	Saloon – 17in wheel	57.6	57.6	76.3	74.3
	Saloon – 18in wheel	-	-	-	68.9
	Wagon – 16in wheel	57.6	58.9	76.3	-
	Wagon – 17in wheel	55.4	58.9	74.3	70.6
	Wagon – 18in wheel	-	-	-	68.9
Combined	Saloon – 16in wheel	47.1	47.9	67.3	-

	Saloon – 17in wheel	47.1	46.3	67.3	62.8
	Saloon – 18in wheel	-	-	-	58.9
	Wagon – 16in wheel	46.3	47.1	67.3	-
	Wagon – 17in wheel	45.6	47.1	67.3	61.4
	Wagon – 18in wheel	-	-	-	58.9
Fuel tank capacity (l)		60			
Emissions					
Engine		1.8 Valvematic		1.6 D-4D	2.0 D-4D
		6MT	MDS	6MT	6MT
Urban	Saloon – 16in wheel	187	185	131	-
	Saloon – 17in wheel	189	187	131	148
	Saloon – 18in wheel	-	-	-	153
	Wagon – 16in wheel	188	185	131	-
	Wagon – 17in wheel	191	194	131	148
	Wagon – 18in wheel	-	-	-	153
Extra-urban	Saloon – 16in wheel	112	111	95	-
	Saloon – 17in wheel	112	114	97	102
	Saloon – 18in wheel	-	-	-	107
	Wagon – 16in wheel	112	112	97	-
	Wagon – 17in wheel	116	112	99	104
	Wagon – 18in wheel	-	-	-	107
Combined	Saloon – 16in wheel	139	138	108	-
	Saloon – 17in wheel	140	140	109	119
	Saloon – 18in wheel	-	-	-	124
	Wagon – 16in wheel	140	139	109	-
	Wagon – 17in wheel	143	142	110	120
	Wagon – 18in wheel	-	-	-	124
Emissions standard		Euro 6			
Service intervals		10,000 miles/annually		12,500 miles/annually	
Insurance groups		11E to 19E			
DIMENSIONS					
Body style		Saloon		Wagon	
Overall length (mm)		4,750		4,820	
Overall width (mm)		1,810		1,810	
Overall height (mm)		1,480		1,480	
Wheelbase (mm)		2,700		2,700	
Track – front (mm)		1,560 (16in wheel) 1,550 (17/18in wheel)		1,560 (16in wheel) 1,550 (17/18in wheel)	

Track – rear (mm)		1,550 (16in wheel) 1,540 (17/18in wheel)	1,550 (16in wheel) 1,540 (17/18in wheel)
Front overhang (mm)		980	980
Rear overhang (mm)		1,030	1,100
Drag coefficient (Cd)		0.28	0.29
VDA luggage capacity – rear seat up (l)		509	543
VDA luggage capacity – rear seat down (l)		n/a	1,609
Luggage compartment	Length – rear seat up (mm)	960	1,105
	Length – rear seat down (mm)	1,685	1,715
	Max. width (mm)	1,470	1,550
	Height (mm)	530	765
WEIGHTS			
Engine		1.8 Valvematic	1.6 D-4D 2.0 D-4D
Transmission		6MT MDS	6MT 6MT
Kerb weight (kg)	Saloon	1,370 – 1,455	1,405 – 1,475 1,455 – 1,545
	Wagon	1,405 – 1,510	1,430 – 1,530 1,490 – 1,610
Gross Vehicle Weight (kg)	Saloon	2,000	2,020 2,040
	Wagon	2,000	2,020 2,040
Towing capacity – braked (kg)		1,500	1,600 1,600
Towing capacity – unbraked (kg)		500	
WHEELS & TYRES			
Wheel size		16in	17in 18in
Tyre size		205/60R16	215/55R17 225/45R18

Ref: 180122M