

TOYOTA AVENSIS TECHNICAL SPECIFICATIONS

TOYOTA OPTIMAL DRIVE 1.6 VALVEMATIC						
Engine code		1ZR-FAE				
Type		Four cylinders in-line				
Valve mechanism		DOHC 16-valve Valvematic				
Displacement (cc)		1,598				
Bore x stroke (mm)		80.5 x 78.5				
Compression ratio		10.7:1				
Max. power (bhp @ rpm)		130 @ 6,400				
Max. torque (Nm @ rpm)		160 @ 4,400				
TOYOTA OPTIMAL DRIVE 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		10.5:1				
Max. power (bhp @ rpm)		145 @ 6,400				
Max. torque (Nm @ rpm)		180 @ 4,000				
TOYOTA OPTIMAL DRIVE 2.0 D-4D 130 (DPF)						
Engine code		1AD-FTV				
Type		Four cylinders in-line				
Valve mechanism		DOHC 16-valve, common rail injection				
Displacement (cc)		1,998				
Bore x stroke (mm)		86.0 x 86.0				
Compression ratio		15.8:1				
Max. power (bhp @ rpm)		124 @ 3,600				
Max. torque (Nm @ rpm)		310 @ 1,800 – 2,400				
TOYOTA OPTIMAL DRIVE 2.2 D-4D 150						
Engine code		2AD-FTV				
Type		Four cylinders in-line				
Valve mechanism		DOHC 16-valve, common rail injection				
Displacement (cc)		2,231				
Bore x stroke (mm)		86.9 x 86.0				
Compression ratio		15.7:1				
Max. power (bhp @ rpm)		148 @ 3,600				
Max. torque (Nm @ rpm)		340 @ 2,000 – 2,800				
TOYOTA OPTIMAL DRIVE 2.2 D-CAT 150						
Engine code		2AD-FHV				
Type		Four cylinders in-line				
Valve mechanism		DOHC 16-valve, common rail injection				
Displacement (cc)		2,231				
Bore x stroke (mm)		86.0 x 96.0				
Compression ratio		15.7:1				
Max. power (bhp @ rpm)		148 @ 3,600				
Max. torque (Nm @ rpm)		340 @ 2,000 – 2,800				
TRANSMISSIONS						
Engine		1.6 Valvematic	1.8 Valvematic	D-4D 130	D-4D 150	D-CAT 150
Transmission		6MT	6MT	6MT	6MT	6AT
Gear ratios	1 st	3.538	3.538	3.818	3.538	3.300
	2 nd	1.913	1.913	1.913	1.913	1.900
	3 rd	1.310	1.310	1.218	1.218	1.420
	4 th	0.971	0.971	0.860	0.880	1.000
	5 th	0.818	0.818	0.790	0.809	0.713
	6 th	0.700	0.700	0.673	0.673	0.608

	Reverse	3.333	3.333	4.139	3.831	4.148	
Engine/transmission		1.8 Valvematic Multidrive S					
Gear ratios	Forward	2.386 – 0.4111					
	Reverse	2.505					
BRAKES							
		Valvematic and 2.0 D-4D			2.2 D-4D/D-CAT		
Front – diameter x thickness		Ventilated discs 295 x 26 (mm)			Ventilated discs 320 x 26 (mm)		
Rear – diameter x thickness		Solid discs 290 x 11 (mm)			Solid discs 290 x 11 (mm)		
Additional features		ABS, EBD, BA, VSC+, TRC					
STEERING							
Type		Rack and pinion electric power steering					
Ratio		14.5:1					
Turns lock-to-lock		2.9					
Minimum turning radius – tyre		5.2 (m)					
SUSPENSION							
Front		MacPherson strut					
Rear		Double wishbone					
PERFORMANCE							
Engine		1.6 Valvematic	1.8 Valvematic		2.0 D-4D 130	2.2 D-4D 150	2.2 D-CAT 150
Transmission		6MT	6MT	MDS	6MT	6MT	6AT
Max. Speed (mph)	Saloon	124	124	124	124	131	127
	Tourer	121	124	124	124	131	127
0-62mph (sec)	Saloon	10.4	9.4	10.4	9.7	8.9	9.5
	Tourer	10.6	9.7	10.7	10.0	9.2	9.8
Fuel consumption (mpg)							
Urban	Saloon	33.2	32.8	32.5	42.2	40.4	34.4
	Tourer	33.2	32.8	32.5	42.2	39.8	33.6
Extra-urban	Saloon	51.4	51.4	49.6	62.8	60.1	53.3
	Tourer	51.4	50.4	49.6	61.4	58.9	51.4
Combined	Saloon	42.8	42.8	41.5	53.3	51.4	44.1
	Tourer	42.8	42.2	41.5	52.3	50.4	42.8
Fuel tank capacity (l)		60					
EMISSIONS							
Engine		1.6 Valvematic	1.8 Valvematic		2.0 D-4D 130	2.2 D-4D 150	2.2 D-CAT 150
Transmission		6MT	6MT	MDS	6MT	6MT	6AT
Carbon dioxide (g/km)*							
Urban	Saloon	196	198	201	173	185	216
	Tourer	198	201	202	173	189	223
Extra-urban	Saloon	127	128	131	119	124	141
	Tourer	127	129	133	121	128	145
Combined	Saloon	152	154	157	139	147 149 (T Spirit)	169 171 (T Spirit)
	Tourer	153	155	158	140	150 152 (T Spirit)	174 176 (T Spirit)
VED Band		G	G	G	E	F/G	H/I
Euro class		5	5	5	5	5	5

DIMENSIONS			
Body style	Saloon	Tourer	
Overall length (mm)	4,695	4,765	
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)	965	965	
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		1.6 Valvematic	1.8 Valvematic		2.0 D-4D 130	2.2 D-4D 150	2.2 D-CAT 150
Transmission		6MT	6MT	MDS	6MT	6MT	6AT
Kerb weight (kg)	Saloon	1,365-1,435	1,370-1,455	1,405- 1,475	1,490–1,580	1,515– 1,600	1,530– 1,615
	Tourer	1,400 – 1,445	1,405 1,510	1,430-1,530	1,520–1,635	1,545 – 1,635	1,560– 1,650
Gross Vehicle Weight (kg)	Saloon	1,950	2,000	2,020	2,100	2,140	2,140
	Tourer	1,950	2,000	2,020	2,100–2,300	2,140	2,140
Towing capacity – braked (kg)		1,400	1,500	1,600	1,600	1,800	1,600
Towing capacity – unbraked (kg)		500					

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