

TOYOTA AURIS TECHNICAL SPECIFICATIONS

1.2 Turbo	
Engine Code	8NR-FTS
Type	Four cylinders in-line
Valve mechanism	16-Valve DOHC, chain drive with VVT-iW (intake) and VVT-i (exhaust)
Displacement (cc)	1,197
Bore x stroke (mm)	71.5 x 74.5
Compression ratio	10:1
Max power (bhp/kW @ rpm)	114/85 @ 5,200 – 5,600
Max torque (Nm @ rpm)	185 @ 1,500 – 4,000
1.33 DUAL VVT-i	
Engine Code	1NR-FE
Type	Four cylinders in-line
Valve mechanism	DOHC 16-valve with Dual VVT-i
Displacement (cc)	1,329
Bore x stroke (mm)	72.5 x 80.5
Compression ratio	11.5:1
Max power (bhp/kW @ rpm)	98/73 @ 6,000
Max torque (Nm @ rpm)	128 @ 3,800
1.4 D-4D	
Engine Code	1ND-TV
Type	Four cylinders in-line
Valve mechanism	SOHC 8-valve
Displacement (cc)	1,364
Bore x stroke (mm)	73.0 x 81.5
Compression ratio	16.5:1
Max power (bhp/kW @ rpm)	89/66 @ 3,800
Max torque (Nm @ rpm)	205 @ 1,800 – 2,800
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						
1.8 VVT-i HYBRID							
Engine Code	2ZR-FXE						
Type	Four cylinders in-line						
Valve mechanism	DOHC 16-valve with VVT-i						
Displacement (cc)	1,798						
Bore x stroke (mm)	80.5 x 88.3						
Compression ratio	13.0:1						
Max power (bhp/kW @ rpm)	98/73 @ 5,200						
Max torque (Nm @ rpm)	142 @ 4,000						
Total system max. output (petrol engine and electric motor, bhp/kW)	134/100						
Electric motor							
Motor type	Permanent magnet, synchronous						
Max. voltage (v)	650						
Max. power (bhp/kW)	80/60						
Max. torque (nm)	207						
High-voltage battery							
Battery type	Nickel-metal hydride						
Nominal voltage (v)	201.6 (168 x 1.2v cells)						
No. of battery modules	28						
Battery capacity (kW/h)	1.31						
TRANSMISSIONS		1.2 Turbo		1.33 Dual VVT-i	1.4 D-4D	1.6 D-4D	1.8 VVT-i Hybrid
Type		6MT	MDS	6MT	6MT	6MT	E-CVT
Gear ratios	1 st	3.727	-	3.538	3.538	3.818	-
	2 nd	2.045	-	1.913	1.913	1.913	-
	3 rd	1.310	-	1.392	1.233	1.218	-
	4 th	0.971	-	1.029	0.916	0.860	-
	5 th	0.764	-	0.875	0.675	0.790	-
	6 th	0.619	-	0.743	0.590	0.638	-

	Forward	-	2.480 to 0.396	-	3.333	-	2.683
	Reverse	3.333	2.604 to 1.680	3.333	3.333	4.139	2.683
Final drive ratio	Front	3.944	5.045	4.562	3.944	3.526	3.267
	Rear	3.944	5.045	4.562	3.736	3.045	3.267
PERFORMANCE		1.2 Turbo		1.33 Dual VVT-i	1.4 D-4D	1.6 D-4D	1.8 Hybrid
Transmission		6MT	MDS	6MT	6MT	6MT	E-CVT
Max Speed (mph)		124	118	109	112	121	112
0-62mph (sec)	Hatch	10.1	10.5	12.6	12.5	10.5	10.9
	Wagon	10.4	10.8	13.2	13.0	10.7	11.2
FUEL CONSUMPTION - HATCHBACK		1.2 Turbo		1.33 DUAL VVT-i	1.4 D-4D	1.6 D-4D	1.8 HYBRID VVT-i
Transmission		6MT	MDS	6MT	6MT	6MT	E-CVT
Combined (mpg)	15in wheel	-	-	51.4	-	-	80.7
	16in wheel	58.9	61.4	-	80.7	67.3	78.5
	17in wheel	52.3	55.4	-	-	65.7	72.4
Extra-urban (mpg)	15in wheel	-	-	60.1	-	-	83.1
	16in wheel	67.3	68.9	-	88.3	76.3	80.7
	17in wheel	58.9	60.1	-	-	74.3	72.4
Urban (mpg)	15in wheel	-	-	40.4	-	-	83.1
	16in wheel	47.9	51.4	-	70.6	56.5	80.7
	17in wheel	43.5	47.9	-	-	55.4	72.4

FUEL CONSUMPTION - WAGON		1.2 Turbo		1.33 DUAL VVT-i	1.4 D-4D	1.6 D-4D	1.8 HYBRID VVT-i
Transmission		6MT	MDS	6MT	6MT	6MT	E-CVT
Combined (mpg)	15in wheel	-	-	50.4	-	-	80.7
	16in wheel	58.9	58.9	-	68.9	67.3	78.5
	17in wheel	51.4	53.3	-	-	65.7	70.6
Extra-urban (mpg)	15in wheel	-	-	58.9	-	-	83.1
	16in wheel	67.3	65.7	-	74.3	76.3	80.7
	17in wheel	58.9	58.9	-	-	74.3	72.4
Urban (mpg)	15in wheel	-	-	39.8	-	-	80.7
	16in wheel	47.9	49.6	-	55.4	56.5	78.5
	17in wheel	42.8	46.3	-	-	55.4	72.4
CO₂ EMISSIONS & INSURANCE		1.2 Turbo		1.33 DUAL VVT-i	1.4 D-4D	1.6 D-4D	1.8 HYBRID VVT-i
Transmission		6MT	MDS	6MT	6MT	6MT	E-CVT
Combined g/km - hatchback	15in wheel	-	-	128	-	-	79
	16in wheel	112	106	-	92	108	82
	17in wheel	125	119	-	-	110	91
Combined g/km - wagon	15in wheel	-	-	130	-	-	81
	16in wheel	112	110	-	106	108	83
	17in wheel	126	122	-	-	110	92
Insurance groups		14E/15E		8E	9E	14E	12E

BRAKES			
Front (diameter x thickness, mm)	Ventilated discs 277 x 26, 296 x 28 for hybrid		
Rear (diameter x thickness, mm)	Solid discs 270 x 10		
SUSPENSION			
Front	MacPherson strut		
Rear	Torsion beam (1.33, 1.4 D-4D) Double wishbone (1.2T, 1.6 D-4D, Hybrid)		
STEERING			
Steering type	Rack and pinion, electric power steering		
Ratio	14.8:1		
Turns lock-to-lock	15/16in wheels	2.67	
	17in wheels	2.59	
Min turning radius – tyre/body (m)	15/16in wheels	5.2/5.5	
	17in wheels	5.4/5.7	
EXTERIOR DIMENSIONS		HATCHBACK	WAGON
Overall length (mm)		4,330	4,595
Overall width (mm)		1,760	
Overall height (mm)		1,475	1,485
Wheelbase (mm)		2,600	
Front track (mm)	15in wheel	1,535	
	16in wheel	1,525	
	17in wheel	1,515	
Rear track (mm)	15in wheel	1,525	
	16in wheel	1,515	
	17in wheel	1,505	
Front overhang (mm)		955	
Rear overhang (mm)		775	1,040
INTERIOR DIMENSIONS		HATCHBACK	WAGON
Interior length (mm)		1,830	1,890
Interior width (mm)		1,485	
Interior height (mm)		1,180 (1,15 with panoramic roof)	
Cargo space (l)	Rear seats up	435	672

		Rear seats down		1,199		1,658					
WEIGHTS		1.2 Turbo		1.33 DUAL VVT-i		1.4 D-4D		1.6 D-4D		1.8 HYBRID VVT-i	
Transmission		6MT MDS		6MT		6MT		6MT		E-CVT	
Kerb weight, hatchback (kg)	15in wheel	-	-	1,235		-		-		1,415	
	16/17in wheel	1,350	1,375	-		1,315		1,435		1,415/1,425	
Kerb weight, wagon (kg)	15in wheel	-	-	1,285		-		-		1,425	
	16/17in wheel	1,400	1,420	-		1,385		1,480		1,425/1,465	
Gross vehicle weight, hatchback (kg)	15in wheel	-	-	1,735		-		-		1,815	
	16/17in wheel	1,820	1,845	-		1,820		1,890		1,815/1,840	
Gross vehicle weight, wagon(kg)	15in wheel	-	-	1,765		-		-		1,815	
	16/17in wheel	1,850	1,875	-		1,850		1,890		1,815/1,865	
Towing capacity, (kg)	Braked	1,300		1,000				1,300		N/A	
	Unbraked	450		450				450		N/A	
WHEELS AND TYRES											
Wheel/tyre						15 x 6J steel, 195/65R15 15 x 6J alloy, 195/65R15 16 x 6.5J alloy, 205/55R16 17 x 7J alloy, 225/45R17					

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