TOYOTA COROLLA TECHNICAL SPECIFICATIONS

1.8-litre Hybrid		
Engine Code	2ZR-FXE	
Type	Four cylinders in-line	
Valve mechanism	DOHC 16-valve with VVT-i	
Fuel system	Electronic fuel injection	
Displacement (cc)	1,798	
Bore x stroke (mm)	80.5 x 88.3	
Compression ratio	13.0:1	
Max. torque (Nm @ rpm)	142 @ 3,600 – 4,000	
Total hybrid system max. output (bhp/kW)	120/90 @ 5,200	
Electric motor		
Motor type	Permanent magnet, synchronous	
Max. voltage (v)	600	
Max. power (kW)	53	
Max. torque (nm)	163	
High-voltage battery	Hatchback & Touring Sports	Saloon
Battery type	Lithium-ion	Nickel-metal hydride
Number of cells	56	168
Nominal voltage (v)	207	201.6
Battery capacity (amp/h)	3.6	7.2
2.0-litre HYBRID		
Engine Code	M20A-FXS	
Type	Four cylinders in-line	
Valve mechanism	DOHC 16-valve with VVT-i	
Fuel system	Electronic fuel injection	
Displacement (cc)	1,987	
Bore x stroke (mm)	80.5 x 97.6	
Compression ratio	14.0:1	
Max torque (Nm @ rpm)	190 @ 4,400 – 5,200	
Total hybrid system max. output (bhp/kW)	181/135	
Electric motor		
Motor type	Permanent magnet, synchronous	
Max. voltage (v)	650	

Max. power (kW)			80	
Max. torque (nm)			202	
High-voltage battery				
Battery type			Nickel-metal hydride	
Number of cells			180	
Nominal voltage (v)			216	
Battery capacity (amp/h)			6.5	
TRANSMISSIONS			**1.8 Hybrid**	**2.0 Hybrid**
Type			CVT	CVT
Gear ratios	Differential gear ratio		2.834	3.193
PERFORMANCE			**1.8 Hybrid**	**2.0 Hybrid**
Max Speed (mph)			112	112
0-62mph acceleration (sec)	Hatchback		10.9	7.9
	Touring Sports		11.1	8.1
	Saloon		11.0	-
FUEL CONSUMPTION (WLTP)			**1.8 Hybrid**	**2.0 Hybrid**
Combined (mpg)	Hatchback	Icon	55.39-62.77	50.44-57.65
		Icon Tech	55.39-62.77	50.44-57.65
		Design	55.39-57.65	50.44-54.32
		GR Sport	55.39-56.50	50.44-53.30
		Excel	55.39-56.50	50.44-53.30
	Touring Sports	Icon	55.39-61.41	50.44-56.50
		Icon Tech	55.39-61.41	50.44-56.50
		Design	55.39-57.65	50.44-52.31
		GR Sport	55.39-56.50	51.36-53.30
		Excel	55.39-56.50	51.36-52.31
		TREK	55.39-56.50	50.44-53.30
	Saloon	Icon	53.39-62.77	-
		Icon Tech	53.39-62.77	-
		Design	53.39-57.65	-
Fuel tank capacity (l)			43	43
CO_2 EMISSIONS (WLTP)			**1.8 Hybrid**	**2.0 Hybrid**
Combined (g/km)	Hatchback	Icon	102	111
		Icon Tech	102	111
		Design	110-111	120

		GR Sport	112	119
		Excel	112	120
	Touring Sports	Icon	103	112
		Icon Tech	103	112
		Design	112	121
		GR Sport	112	121
		Excel	112	121
		TREK	113	121
	Saloon	Icon	102	-
		Icon Tech	102	-
		Design	111	-
Insurance groups			14E-15E	18E-21E
Service schedule			10,000 miles/annually	
BRAKES			**1.8 Hybrid**	**2.0 Hybrid**
Front – ventilated discs (diameter, mm)			282	298
Rear – solid discs (diameter, mm)			274	274
SUSPENSION				
Front			MacPherson strut, anti-roll bar	
Rear			Multilink, anti-roll bar	

STEERING		
Type		Rack and pinion, electric power steering
Ratio	16in wheel	13.5:1
	17/18in wheel	13.6:1
Turns lock-to-lock	16in wheel	2.65
	17/18in wheel	2.76
Min. turning radius – body	16in wheel	5.6
	17/18in wheel	5.8
Min. turning radius – tyre	16in wheel	5.2

	17/18in wheel	5.4		
EXTERIOR DIMENSIONS		**HATCHBACK**	**TOURING SPORTS**	**SALOON**
Overall length (mm)		4,370	4,650	4,630
Overall width (mm)		1,790	1,790 1,805 TREK	1,780
Overall height (mm)		1,435	1,435 1,455 TREK	1,435
Wheelbase (mm)		2,640	2,700	2,700
Front track (mm)	16in wheel	1,530	1,530	1,530
	17/18in wheel	1,530	1,530	1,530
Rear track (mm)	16in wheel	1,544	1,544	1,539
	17/18in wheel	1,544	1,544	1,544
Front overhang (mm)		935	935	935
Rear overhang (mm)		795	1,018	995
Ground clearance (mm)		135	135	135
Coefficient of drag (Cd)		0.31	0.31	0.31
INTERIOR DIMENSIONS		**HATCHBACK**	**TOURING SPORTS**	**SALOON**
Interior length (mm)		1,795	1,895	1,890
Interior width (mm)		1,510	1,510	1,510
Interior height (mm)		1,155	1,155	1,155
Loadspace length – rear seats up (mm)		1,795	1,860	1,055
Loadspace max. Width (mm)		1,395	1,430	1,360
Loadspace height – to tonneau (mm)		350	520	520
Load capacity (l)	1.8 hybrid	361	598	471
	2.0 hybrid	313	581	-
WEIGHTS		**HATCHBACK**	**TOURING SPORTS**	**SALOON**
Kerb weight (kg)	1.8 hybrid	1,295 – 1,400	1,300 – 1,430	1,310
	2.0 hybrid	1,340 – 1,510	1,370 – 1,560	-
Gross vehicle weight (kg)	1.8 hybrid	1,820	1,835	1,835
	2.0 hybrid	1,910	1,955	-

Towing capacity – braked (kg)	1.8 & 2.0 hybrid	750	750	750
Towing capacity – unbraked (kg)		450	450	450
WHEELS & TYRES		**HATCHBACK**	**TOURING SPORTS**	**SALOON**
Wheels		16, 17 or 18in alloy		
Tyres	16in wheel	205/55R16 91V		
	17in wheel	225/45R17 91W		
	18in wheel	225/40R18 92W		

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