

TOYOTA C-HR TECHNICAL SPECIFICATIONS

ENGINE		1.8 HYBRID	2.0 HYBRID
Engine code		2ZR-FXE	M20A-FXS
Type		4 cylinders, in-line	
Valve mechanism		DOHC 16-valve with VVT-i	DOHC 16-valve with VVT-iE (intake) and VVT-i (exhaust)
Fuel system		Electronic fuel injection	D-4S direct/port injection
Displacement (cc)		1,798	1,987
Bore x stroke (mm)		80.5 x 88.3	80.5 x 97.6
Compression ratio		13.0:1	14.0:1
Max. power (bhp/DIN hp/kW @ rpm)	Engine	97/98/72 @ 5,200	150/152/112 @ 6,000
	Total hybrid system (engine and motor)	120/122/90 @ 5,200	182/184/135 @ 6,000
Max. torque (Nm @ rpm)		142 @ 3,600 – 4,000	190 @ 4,400 – 5,200
HYBRID SYSTEM		1.8 HYBRID	2.0 HYBRID
Hybrid battery		Lithium-ion (Li-ion)	Nickel-metal hydride (NiMH)
Nominal voltage (V)		207.6	216
Motor generator			
Type		Permanent magnet synchronous	
Max. voltage (V)		600	650
Max. output (kW)		53	80
Max. torque (Nm)		163	202
Total hybrid system (engine and motor) max. power (bhp/DIN hp/kW @ rpm)		120/122/90 @ 5,200	182/184/135 @ 6,000
TRANSMISSION		1.8 HYBRID	2.0 HYBRID
Type		Planetary gear system Hybrid CVT, FWD	
Differential gear ratio		3.218:1	3.605:1

PERFORMANCE		1.8 HYBRID	2.0 HYBRID
Max. speed (mph)		105	112
Acceleration 0-62mph (sec)		11.0	8.2
FUEL CONSUMPTION & EMISSIONS (WLTP)		1.8 HYBRID	2.0 HYBRID
Fuel consumption – combined (mpg)	Icon	53.3 – 57.65	n/a
	Design	53.3 – 57.6	49.6 – 53.3
	Excel	53.3 – 56.5	49.6 – 53.3
	GR Sport	53.3 – 56.5	49.6 – 54.3
CO ₂ emissions – combined (g/km)	17in wheel	110 -120	n/a
	18in wheel	111 - 120	119 - 128
	19in wheel	112 - 120	120 - 128
Fuel tank capacity (l)		50	
INSURANCE, WARRANTY & SERVICING			
Insurance groups		15E – 16E	21E – 22E
New car mechanical warranty		5 years/100,000 miles	
Paintwork and surface rust warranty		3 years	
Anti-corrosion/perforation warranty		12 years	
Service intervals		10,000 miles/annually	
CHASSIS		1.8 HYBRID	2.0 HYBRID
Suspension			
Front suspension		MacPherson strut	
Rear suspension		Double wishbone	

Steering		
Type	Rack and pinion, electric power steering	
Ratio	13.6:1	
Turns lock-to-lock	2.76	
Min. turning circle (tyre/body, m)	10.4/11.0	
Brakes	1.8 HYBRID	2.0 HYBRID
Front (diameter, mm)	Ventilated discs, 298.5	
Rear (diameter, mm)	Solid discs, 281	
Parking brake	Electric	
DIMENSIONS	1.8 HYBRID	2.0 HYBRID
Overall length (mm)	4,385	4,395
Overall width (mm)	1,795	
Overall height (mm)	1,555	
Wheelbase (mm)	2,640	
Track – front (mm)	1,540	
Track – rear (mm)	1,550	
Front overhang (mm)	940	
Rear overhang (mm)	805	815
Coefficient of drag (FWD/AWD, Cd)	0.32	
Interior length (mm)	1,800	
Interior width (mm)	1,455	
Interior height (mm)	1.210	
Load capacity – VDA rear seats up, tonneau cover (l)	377	
Load capacity – rear seats up, loaded to roof (l)	443	
Load capacity – rear seats down, loaded to tonneau cover (l)	924	
Load capacity – rear seats down, loaded to roof (l)	1,164	

WEIGHTS	1.8 HYBRID	2.0 HYBRID
Kerb weight (min/max, kg)	1,425/1,460	1,490/1,525
Gross weight (kg)	1,860	1,930
Towing capacity – unbraked (kg)	725	725
Towing capacity – braked (kg)	725	725
WHEELS AND TYRES	1.8 HYBRID	2.0 HYBRID
Wheels	17, 18 or 19-inch alloy	
Tyres	215/60R17 96H 225/50R18 95V 225/45R19 96W	

Ref:210120M