

McLAREN F1 ROAD CAR - SPECIFICATION

McLaren Automotive

Performance >>

Top Speed	386/240.1	km/h / mph
0-60	3.2	s
0-100	6.3	s
0-150	12.8	s
0-200	28	s
1/4 mile	11.1	s
@	222 / 138	km/h / mph
Standing km	19.6	s
@	285 / 177	km/h / mph

Powertrain >>

Type Number	S 70/2	
Cylinder Arrangement	V12	
Cylinder Angle	60	degrees
Power Output	461 / 627	kW / PS
@	7500	rpm
Max. Torque	651 / 480	Nm / lb.ft
@	5600	rpm
Engine Capacity	6064 / 369.9	cc / in3
Valves/Cylinder	4	
Bore	86.0 / 3.38	mm / inches
Stroke	87.0 / 3.42	mm / inches
Compression Ratio	11.0:1	
Ignition system	Transistorised system with twelve individual coils	
Induction system	12 single throttle valves, carbon composite airbox	
Valvetrain	Chain driven double overhead camshaft with continuously variable inlet valve timing.	
Engine Block	Cast aluminium 60 deg V12	
Cylinder heads	4 valves per cylinder cast aluminium alloy	
Flywheel	Aluminium	
Cam Carriers/Covers	Cast magnesium	
Lubrication System	Dry sump magnesium casting with scavenge pumps and one pressure pump	
Fuel	95-98 RON unleaded	
Oil	5W40/10W60	
Cooling System	Twin aluminium water radiators and oil/water heat exchanger.	
Fuel system	Flexible safety fuel cell with in-tank high pressure pump	
Electrics	12V system with high capacity battery & 160 amp alternator; Chassis ECU, Engine ECU, DC/DC converter for heated glass	
Transmission	Transverse unit with high speed bevel gears and spur final drive All synchro constant mesh 6 Speed Limited slip differential Fan assisted air / oil radiator - pumped lubrication system	
1st Gear Ratio	3.23/8.7	

2nd Gear Ratio	2.19/12.7
3rd Gear Ratio	1.71/16.7
4th Gear Ratio	1.39/20.0
5th Gear Ratio	1.16/24.0
6th Gear Ratio	0.93/30.0
Final Drive Ratio	2.37:1
Clutch	Triple plate Carbon/Carbon 200mm (7.87") diameter Remote actuation (hydraulic)
Steering	Unassisted rack and pinion Two turns lock to lock

Chassis >>

Front Suspension	Double wishbones, Ground Plane shear Centre sub-frames, light alloy dampers/ co-axial coil springs, anti-roll bar	
Rear Suspension	Double wishbones, inclined Axis Shear mounting system, light alloy dampers/ co-axial coil springs, toe-in / toe-out control links	
Front Tyre	235/45 ZR 17	
Front Wheel	9 x 17	inches
Rear Tyre	315/45 ZR 17	
Rear Wheel	11.5 x 17	inches
Front Calliper Type	4 pot monobloc light alloy calliper	
Rear Calliper Type	4 pot monobloc light alloy calliper	
Front Brake disc Type	ventilated	
Rear Brake disc Type	ventilated	
Front Brake Disc diameter	332 / 13.07	mm / inches
Rear Brake Disc diameter	305 / 12	mm / inches
Front Brake Disc Thickness	32 / 1.26	mm / inches
Rear Brake Disc Thickness	26 / 1.02	mm / inches
Turns Lock-to-Lock	2	
Parking Brake	Automatic computerised control system	
Brake Cooling	Automatic computerised control system	
Turning Circle	13 / 42.7	m / ft

Body >>

Length	4287 / 168.78	mm / inches
Width	1820 / 71.65	mm / inches
Height	1140 / 44.88	mm / inches
Wheelbase	2718 / 107.01	mm / inches
Front Overhang	970 / 38.18	mm / inches
Rear Overhang	599 / 23.58	mm / inches
Front Track	1568 / 61.73	mm / inches

Rear Track	1472 / 57.95	mm / inches
Luggage Capacity - 2 occupants (VDA)	283 / 10	litres / cu ft.
Luggage Capacity - 3 occupants (VDA)	227 / 8	litres / cu ft.
Fuel Tank Capacity	90	litres
Kerb Weight	1140 / 2513	kg / lbs
Weight Distribution	41.2/58.8	F/R
Drag Coefficient	0.32	
Aerodynamics	Full underbody air management (fan assisted). Driver selectable high downforce mode. Automatic brake and balance aerofoil system.	