



McLaren F1 Roadcar - Specification

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.

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Performance	
Top Speed	386/240.1 km/h / mph
0-60	3.2 seconds
0-100	6.3 seconds
0-150	12.8 seconds
0-200	28 seconds
1/4 mile	11.1 seconds @ 222 / 138 km/h / mph
Standing km	19.6 seconds @ 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	4 pot monobloc light alloy calliper

Type	
Front Brake disc	ventilated
Type	
Rear Brake disc	ventilated
Type	
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

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