

McLAREN F1 GTR 97 RACE CAR - SPECIFICATION

McLaren Automotive

Powertrain >>

Type Number	S 70/3 GTR	
Cylinder Arrangement	V12	
Cylinder Angle	60	degrees
Power Output	441 / 600	kW / PS
@	7500	rpm
Max. Torque	527 / 388	Nm / lb.ft
@	4500	rpm
Engine Capacity	6064 / 370	cc / in 3
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	Carbon fibre	
Lubrication System	Dry sump magnesium casting with scavenge pumps and one pressure pump	
Fuel	RON unleaded	
Oil	10W60	
Cooling System	Twin aluminium water radiators and oil/water heat exchanger.	
Fuel System	100 litre capacity Safety Fuel cell	
Electrics	12V system: 160 amp alternator: Engine ECU	
Transmission	Magnesium case transverse racing unit with high speed bevel gears and spur final drive Limited slip differential Air/oil radiator with pumped lubrication system/ with pumped dry sump lubrication Straight cut gears Gun drilled driveshaft and tripod CV joint.	
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 wishbone, light alloy dampers, co-axial coil springs, anti-roll bar
Rear Suspension	Double wishbone, light alloy dampers, co-axial coil springs
Wheels	Magnesium 18" diameter: front 10.85" wide: rear 13" wide. Centre lock nuts, retaining pin
Tyres	Michelin High Performance Racing
Front Calliper Type	8 pot monobloc light alloy calliper
Rear Calliper Type	8 pot monobloc light alloy calliper
Front Brake Disc Type	ventilated

Rear Brake Disc Type	ventilated	
Front Brake Disc diameter	380 / 14.96	mm / inches
Rear Brake Disc diameter	355 / 13.97	mm / inches
Front Brake Disc Thickness	36 / 1.42	mm / inches
Rear Brake Disc Thickness	36 / 1.42	mm / inches
Turns Lock-to-Lock	2	
Weight	915 / 1872	kg / lbs

Body >>

Length	4933 / 194.21	mm / inches
Width	1920 / 75.59	mm / inches
Height	1200 / 47.24	mm / inches
Wheelbase	2723 / 107.25	mm / inches
Front Overhang	1120 / 44.09	mm / inches
Rear Overhang	1090 / 42.91	mm / inches
Front Track	1617 / 63.66	mm / inches
Rear Track	1582 / 62.28	mm / inches
Ground Clearance Front	70 / 2.76	mm / inches
Ground Clearance Rear		