

CONFIGURATION

Rear-mid engined coupé

Central driving position + one passenger

Rear-wheel drive

DIMENSIONS

Length	4,416 mm
Width	1,917 mm
Height	1,179 mm
Wheelbase	2,700 mm
Front track	1,629 mm
Rear track	1,573 mm
Ride height	87 mm (front), 116 mm (rear)
Turning circle	14.67 metres
Weight	< 900 kg

ENGINE

Type/number	Cosworth GMA.S
Configuration	V12 semi-structural
V-angle	65°
Capacity	3,994 cc
Bore	81.5 mm
Stroke	63.8 mm
Compression ratio	15:1
Maximum power	772 PS @ 11,500 rpm
Maximum torque	497 Nm @ 8,000 rpm
Power to weight ratio	TBC
Maximum rpm	12,100 rpm
Valve train	Gear driven double overhead camshafts
Induction system	RAM induction airbox - 12 throttle bodies
Exhaust system	Free-flow - Thinwall - Inconel
Lubrication system	Dry sump
Cooling system	Water-cooled - Twin aluminium front radiators
Oil cooling system	Single aluminium side radiator
Ignition system	12 individual coils 12 Volt
Starter/alternator	48 Volt integrated strategy/generator
Engine block	Aluminium alloy
Cylinder heads	Aluminium alloy
Connection rods	Titanium
Valves	Titanium
Total engine weight	166.3 kg
Engine mounting	Semi-structural Inclined Axis Shear Mounting (IASM)
Power density	198 PS per litre

TRANSMISSION

Configuration	Transverse with high-speed bevel gears and spur gear final drive Xtrac IGS	
Gearchange	Paddle shift – Electronic gear selector	
Differential	Limited slip (Salisbury)	
Clutch	Electric power clutch	
Driveline	Tripod CV joints and gun-drilled drive shafts	
Casing	Aluminium alloy	
Lubrication	Pumped lubrication	
Oil cooling	Single aluminium radiator – Side mounted	
Input bevel	1.69:1	
Weight	75.6 kg	
Ratios	First	2.83:1
	Second	2.09:1
	Third	1.59:1
	Fourth	1.26:1
	Fifth	1.03:1
	Sixth	0.85:1

CHASSIS

Front suspension	Double wishbone
	Rising rate pushrod operation
	Coil springs over aluminium dampers
	Anti-roll bar
	Aluminium alloy uprights
Rear suspension	Double wishbone and toe link
	Rising rate pushrod operation
	Aluminium alloy uprights
	Inclined Axis Shear Mounting system (IASM)
Steering	Rack and pinion (LSPD)
Front brakes	390 mm x 34 mm carbon - carbon
	Six-piston air-cooled AL calliper
Rear brakes	360 mm x 34 mm carbon - carbon
	Four-piston air-cooled AL calliper
Hubs and bearing carriers	Formula 1 style lightweight hubs – Centre lock attachment
Wheels	Forged magnesium
	Front 18" diameter x 10"
	Rear 18" diameter x 12"
Tyres	Michelin slicks with wet option
	Front 27/65-18 (270 mm wide)
	Rear 30/68-18 (300 mm wide)

MONOCOQUE

Multi-part carbon fibre sandwich panels with aluminium honeycomb core

Carbon or metallic inserts

BODY

Ultralight carbon monolithic and cored panels

AERODYNAMICS

Ground effect aerodynamics with Fan Interactive Aero System (FIAS) – Pitot tube and downforce readout

Fan	Fixed pitch multi blade – Carbon fibre
Fan motor	8.5 kW 48 Volt
Fan speed	7,000 rpm
Fan thrust	15 kg
Rear wing	Twin element delta wing. Fixed main plain and adjustable slotted flap
Front aero	Front splitter with central aerofoil section, dive planes, adjustable front diffusers and barge boards
Downforce	730 kg @ 150 mph
	1,200 kg @ v _{max}
V _{max}	187 mph

FUEL SYSTEM

Aluminium alloy tank – 50 litre capacity with in-tank pumps and high pressure delivery pump

CAPACITIES

Fuel tank	50 litres
Oil capacity	14 litres

POWER MODULE

48 Volt and 12 Volt – Direct cooling with refrigerant

DRIVER AIDS

Anti-lock Braking System (ABS) – Traction control (switchable)

Electric power assisted steering

PRIMARY CONTROLS

Racing carbon fibre steering wheel

Aluminium alloy brake pedal

Titanium throttle pedal

SECONDARY CONTROLS

Carbon fibre right-hand switch panel

STEERING WHEEL CONTROLS

Flash

Wash/wipe

Intercom – Passenger

Intercom – Pits

Left indicator

Right indicator

Cluster screen scroll

DISPLAY - CENTRAL SCREEN

Engine info

Aero info

Tell tale

Car info

Lap time

G-meter

Gearchange indicator

Camera-video

Telemetry

RADIO

Car to pits and driver to passenger – Push To Talk (PTT) over cellular

FIRE EXTINGUISHER SYSTEM

Cabin & engine – Lifeline

SEATING

Full carbon race seat with head side protection. HANS device compatible

Fore and aft adjustment – six-point racing harness

Fixed passenger seat – four-point harness

TRACKSPEED PACK

Pit equipment to run T.50s

Fuel filler

Fuel churns

Fuel cans

Front jack

Rear jack

Full garage toolset

ERGONOMICS

Full ergonomic fitting

Removable steering wheel

SUPPORT

Engineering and driver support for a track day to setup the chassis and the aero

Training for owners technician on car operation

Operation manual