

## CONFIGURATION

Rear-mid engined coupe

Central driving position with two outboard passengers

Rear-wheel drive

## DIMENSIONS

Length	4,443 mm	Wheelbase	2,700 mm
Width	1,891 mm	Front track	1,637 mm
Height	1,149 mm	Rear track	1,572 mm
Ride height	95 mm (front), 110 mm (rear)		
Turning circle	~10.9 metres		
Weight	< 986 kg		
Dry weight	< 957 kg		

## ENGINE

Type/number	Cosworth GMA
Configuration	V12 semi-structural
V-angle	65°
Capacity	4.3 litre
Bore	84 mm
Stroke	63.8 mm
Compression ratio	14:1
Maximum power	~730 PS @ 11,500 rpm
Maximum torque	~470 Nm @ 9,000 rpm
Power to weight ratio	~762.8 PS per tonne
Weight to power ratio	~131 kg per 100 PS
Flexibility	71% of max torque @ 2,500 rpm
Maximum rpm	12,100 rpm
Valve train	Gear driven double overhead camshafts inclined axis four valves per cylinder – Variable valve timing on inlet/exhaust
Induction system	RAM induction airbox – four throttle bodies – Direct Path Induction Sound (DPIS)
Exhaust system	Inconel and Titanium
Lubrication system	Dry sump
Cooling system	Water/ethylene glycol mix
Oil cooling system	Oil to air cooler
Ignition system	12V coil-on-plug
Starter/alternator	48 volt gear driven integrated starter/generator
Exhaust emission control	Four catalytic converters with lambda sensors and secondary air injection
Engine block	Aluminium alloy
Cylinder heads	Aluminium alloy
Connection rods	Titanium
Valves	Titanium
Total engine weight	178 kg
Engine mounting	Semi-structural Inclined Axis Shear Mounting (IASM)
Power density	~169.7 PS per litre

## TRANSMISSION

Configuration	Transverse with high-speed bevel gears and spur gear final drive			
Speeds	Six forward speeds plus reverse: full synchro mesh			
Gearchange	Manual H pattern with reverse lock-out			
Differential	Limited slip (Salisbury)			
Clutch	184 mm diameter – Triple-plate carbon silicone and titanium			
Driveline	Tripod joints and gun drilled drive shafts			
Casing	Aluminium alloy			
Lubrication	Pressure lubrication			
Oil cooling	Mid-mounted combined radiator			
Input bevel	1.688:1			
Final drive	3.176:1			
Weight	80.5 kg			
Ratios	First	2.833:1	Fourth	1.226:1
	Second	2.095:1	Fifth	0.971:1
	Third	1.577:1	Sixth	0.744:1

## CHASSIS

Front suspension	Double wishbone (race type, tubular assembly with machined nodes)
	Rising rate pushrod operation
	Steel coil springs over aluminium dampers
	Anti-roll bar
Rear suspension	Forged aluminium alloy uprights
	Double wishbone (race type, tubular assembly with machined nodes) toe link
	Rising rate pushrod operation
	Steel coil springs over aluminium dampers
Steering	Forged aluminium alloy uprights
	Inclined Axis Shear Mounting system (IASM)
	Rack and pinion (LSPA)
Front brakes	370 mm x 34 mm CCM-R
Rear brakes	Six-piston air-cooled aluminium alloy Monobloc calliper
	340 mm x 34 mm CCM-R
	Four-piston air-cooled aluminium alloy Monobloc calliper
Hand brake	Manual lever – Flyoff mechanism twin cable
Hubs and bearing carriers	Aluminium alloy calliper
	Formula 1 style lightweight hubs – Centre lock nut wheel attachment
Wheels	Forged aluminium alloy
	Front 19" 10J
	Rear 20" 12J
Tyres	Michelin Pilot Sport Cup 2
	Front 265/35 ZR19 (98Y) XL TL PILOT
	Rear 335/30 ZR20 (108Y) XL TL PILOT

## MONOCOQUE

Multi-part bonded carbon fibre sandwich panels with aluminium honeycomb core

Carbon or metallic inserts

## BODY

Monolithic and cored carbon fibre panels

Bespoke headlamp & rearlamp

## AERODYNAMICS

Ground effect aerodynamics

Fixed rear wing

## FUEL SYSTEM

Aluminium alloy tank 80 litre capacity including six litre reserve - In tank pumps and high-pressure delivery pump

## CAPACITIES

Fuel tank 80 litre

Oil capacity 14 litres

Luggage capacity Nil

## ISG COOLING

Independent water-cooling system mid-mounted combined radiator

## ENGINE COOLING

Two front-mounted radiators, one mid-mounted combined radiator

Electrical fans

## POWER MODULE COOLING

Direct cooling with refrigerant

## DRIVER AIDS

Traction control and Electronic Stability Programme (ESP) (switchable)

Anti-lock Braking System (ABS)

Vacuum assisted brakes

Low Speed Power Assisted steering (LSPA)

## PRIMARY CONTROLS

350 mm diameter carbon fibre steering wheel

Aluminium alloy brake and clutch pedal - Titanium throttle pedal

Titanium gearchange hand control

## SECONDARY CONTROLS

Rotary switches	Rev-match
	Lights
	Wiper controls
	HVAC fan speed
	HVAC cabin temp
	HVAC zone control

## DISPLAY

Right-hand screen	Infotainment
	Lap timer
Left-hand screen	Car
	Engine
	Information

## SOUND SYSTEM

5 speaker audio system (2 mid range, 2 tweeter, 1 subwoofer)

## INSTRUMENTS

120 mm diameter analogue rev counter

## POWER MODULE

Combined 12 volt and 48 volt unit with integrated inverter and control system

## ISG

20 kW 48 volt – Gear driven from front of crankshaft