

CONFIGURATION

Two seat Spider supercar – Mid engine
Right-hand drive/left-hand drive option
Rear-wheel drive
EU/ROW and Federal type approval

DIMENSIONS

Length	4,398 mm
Width	1,850 mm
Height	1,135 mm
Wheelbase	2,735 mm
Front track	1,591 mm
Rear track	1,530 mm
Ride height	120 mm (front), 145 mm (rear)
Turning circle	12.9 metres
Dry weight	1,108 kg

ENGINE

Type/number	Cosworth GMA.2
Configuration	V12
V-angle	65°
Capacity	3,994 cc
Bore	81.5 mm
Stroke	63.8 mm
Compression ratio	14:1
Maximum power	617 PS @ 10,250 rpm
Maximum torque	451 Nm @ 6,750 rpm
Power to weight ratio	557 PS per tonne
Flexibility	75% of max torque at 2,500 rpm, 90% of max torque between 4,500 rpm and 10,500 rpm
Maximum rpm	11,100 rpm
Valve train	Gear driven double overhead camshafts, inclined axis four valves per cylinder
Induction system	RAM induction air intake – four throttle bodies – Direct Path Induction Sound (DPIS)
Lubrication system	Dry sump
Cooling system	Air to water front mounted water radiators oil/water heat exchanger
Ignition system	12 individual 12 volt coils
Starter/alternator	48 volt Integrated Starter/Generator (ISG)
Electrical system	12 volt with liquid cooled 12 volt/48 volt power module
Fuel system	Twin injectors per cylinder
Engine block	Aluminium alloy
Cylinder heads	Aluminium alloy
Engine mounting	Semi-structural Inclined Axis Shear Mounting (IASM)
Power density	158 PS per litre

TRANSMISSION

Configuration	Transverse with high speed bevel gears and spur gear final drive
Gearchange	Manual – H-pattern, six-speed and reverse gears multi-cone synchromesh
Differential	Limited slip (Salisbury)
Clutch	184 mm diameter low inertia clutch
Driveline	Tripod constant velocity joints and gun-drilled drive shafts
Casing	Aluminium alloy
Lubrication	High pressure pump

AERODYNAMICS

Aerodynamics	Ground effect with front and rear diffusers
	Rear diffuser with Passive Boundary Layer Control (PBLC)
	Active rear spoiler
	High downforce mode and brake boost mode
Downforce	150 kg @ 150 mph
	312 kg @ v _{max}
V _{max}	208 mph

CHASSIS

Architecture	iStream® Ultralight carbon monocoque
Front suspension	Double wishbone – Coil spring over damper – Anti-roll bar
Rear suspension	Double wishbone with the control link coil spring over damper
Steering	Rack and pinion with electro-hydraulic assistance adjustable for rake and reach
Front brakes	Servo assisted 370 mm x 34 mm carbon ceramic disc
	Light alloy six-piston caliper
Rear brakes	Servo assisted 340 mm x 34 mm carbon ceramic disc
	Light alloy four-piston caliper
Hand brake	Manual – Twin cable light alloy caliper
Hubs and bearing carriers	Light alloy hub carriers
Wheels	Forged aluminium
	Front 19" diameter x 8.5"
	Rear 20" diameter x 10.5"
Tyres	Michelin Pilot Sport 4 S
	Front 235/35 R19
	Rear 295/30 R20
Driver aids	Anti-lock Braking System (ABS)
	Stability control (switchable)
	Traction control (switchable)
	Power assisted brakes
	Power assisted steering
	Reversing camera

CAPACITIES

Fuel tank	75 litres
Range (average)	400 miles - Standard gears
Range (average)	440 miles - Optional overdrive 6th gear
Luggage capacity	295 litres

PRIMARY CONTROLS

Bespoke 350 mm diameter carbon steering wheel
Light alloy pedals
Gearchange hand control

SECONDARY CONTROLS

Aluminium alloy rotary switches	Engine mode
	Aero
	Lights
	Wipers
	HVAC
	Windscreen wiper
	Infotainment

INSTRUMENTS

120 mm diameter analogue rpm counter – Flood lit
Two information screens with remote control
Left-hand screen car/engine/aero information
Right-hand screen infotainment – Wireless Apple CarPlay – Android Auto

PASSIVE SAFETY/SECURITY

Driver air bag
Passenger air bag
Twin door air bags
Three-point seat belts with pre-tensioners
Immobiliser and alarm
Remote central locking with deadlocks