

# Technical Specification

## New Formula Renault 2.0 Technical Specification 2011

### Chassis

Type:	Honeycomb and carbon fibre monocoque
Bodywork:	Carbon-fibre
Aerodynamic features:	Front and rear wings, diffuser

### Engine

Layout:	Self-supporting engine and gearbox
Type:	Renault F4R 832 – 4 cylinder – 16 valve – 1,998cc – 1998 cm
Bore x Stroke:	82.7 x 93mm
Fuel injection/ignition:	Built-in management system
Max power:	210bhp at 7,150rpm
Max torque:	220Nm 5,500rpm
Max engine speed:	7,500rpm

### Transmission

Type:	Rear-wheel drive
Gearbox:	Sequential, 7–speed + reverse
Gearshift:	Electric semi-automatic steering wheel mounted
Differential:	Limited slip, auto-locking differential with clutch discs and ramp pressure plates
Clutch:	Cerametallic twin-disk

### Axles and suspension systems

Suspension:	Front: single adjustable twin-tube shock absorber Rear: double adjustable twin-tube shock absorber
Brakes:	278 x 18mm floating discs and 4–piston callipers

### Wheels

Wheel rims:	One-piece aluminium wheel rims, 9 x 13 (front) and 10.5 x 13 (rear)
Tyres:	Michelin tyres, 20–54 x 13 (front) and 24–57 x 13 (rear)

### Dimensions, weight and capacities

Length:	4,391 mm
Front and rear track:	1502 – 1440 mm
Fuel tank:	50 litres
Kerb weight:	505 kg