

WILLIAMS MERCEDES FW38

TECHNICAL SPECIFICATION

Chassis construction	Monocoque construction laminated from carbon epoxy and honeycomb surpassing FIA impact and strength requirements
Front suspension	Double wishbone, push-rod activated springs and anti-roll bar
Rear suspension	Double wishbone, pull-rod activated springs and anti-roll bar
Transmission	Williams eight speed seamless sequential semi-automatic shift plus reverse gear, gear selection electro-hydraulically actuated
Clutch	Carbon multi-plate
Dampers	Williams
Wheels	Aptech forged magnesium
Tyres	Pirelli, Fronts: 245/660-13, Rears: 325/660-13
Brake system	AP 6 piston front and 4 piston rear calipers with carbon discs and pads
Steering	Williams power assisted rack and pinion
Fuel system	ATL Kevlar-reinforced rubber bladder
Electronic systems	FIA SECU standard electronic control unit
Cooling system	Aluminium oil, water and gearbox radiators
Cockpit	Six point driver safety harness with 75mm shoulder straps & HANS system, removable anatomically formed carbon fibre seat
Power Unit	Mercedes-Benz PU106C Hybrid , Internal Combustion Engine : Capacity 1.6 litres, Cylinders Six, Bank angle 90, No of valves 24, Max rpm ICE 15,000 rpm, Max fuel flow rate 100 kg/hour (above 10,500 rpm)
Fuel injection	High-pressure direct injection (max 500 bar, one injector/cylinder), Pressure charging Single-stage compressor and exhaust turbine on a common shaft, Max rpm exhaust turbine 125,000 rpm
ERS	Mercedes AMG HPP
Dimensions & weight	Weight: FIA Minimum, Overall length: 5000mm Overall height: 950mm, Overall width: 1800mm