



Formula Master race car - 2008 version

Technical outline

Type:	Formula single-seater
Chassis:	Tatuus carbon fibre monocoque Meets 2008 FIA F3 safety regulations Front and rear crash structures, wheel tethers, removable head protection, roll hoop
Bodywork:	Carbon fibre
Tv cameras :	Designed to accept four TV cameras within aerodynamic body shape
Wings:	Carbon fibre front and rear
Engine:	Honda K20A 2.0-litres, four cylinders, fully aluminium, 250 HP 86mm bore x 86mm stroke, dry sump, solid aluminium machined cam cover, carbon fibre airbox, four throttles (drive by wire) Biofuel compatible
ECU:	Magneti Marelli MVL-381 (Marvel 8 vers. 2008)
Electronics:	Magneti Marelli Hydraulic gearbox control system Magneti Marelli data-acquisition system Pits speed limiter
Exhaust system:	Rochhausen inconel alloy, includes catalyst and silencer
Radio:	Designed to accept radio system
Gearbox:	Sadev six-speed, limited slip differential, gearshift and clutch paddles
Safety harness :	Six-point, three-inch shoulder and lap straps, HANS system
Seat:	Carbon fibre, extractable, meeting FIA rules
Instrumentation:	Magneti Marelli steering wheel display unit SDU 102
Front suspension:	Pushrod, height register with shim, single damper, aerodynamically-shaped wishbones
Rear suspension:	Pushrod, two dampers, aerodynamically-shaped wishbones
Steering rack:	Machined aluminium
Upright:	Steel welded front and rear
Shock absorbers:	Koni, bump and rebound adjustment
Springs:	Eibach 36mm x 100mm
Calipers:	Brembo, four pistons, machined aluminium.
Brakes:	Brembo, ventilated discs, 278mm x 16mm.
Pads:	Ferodo
Rims:	OZ magnesium, Front 10x13", Rear 12x13", centre-bolt for rapid pit stops
Wheel Bearing:	SKFs
Tyres:	Yokohama, Front 23/56-13, Rear 28/58-13
Wheelbase:	2700mm
Front track:	1550mm
Rear track:	1500mm
Weight:	550 kg including driver
Fuel tank:	Premier 45 litres, FIA FT3-specification with rapid refuelling valve
Extinguisher:	5 kg, electrically-operated
Rear light:	Led, FIA-approved