

SPECIFICATION

NAME

Chassis MRT05

CHASSIS

Chassis Material Chassis – Manor Racing moulded composite with aluminium honeycomb core
Bodywork – Moulded carbon fibre with Nomex core

Safety Structures Cockpit survival cell incorporating impact resistant construction and penetration panels, front impact structure, prescribed side impact structures

Suspension Front – Manor Racing full composite. Pushrod to rockers with torsion springs and inboard damping
Rear – Williams Advanced Engineering

Dampers Front – Penske
Rear – Williams Advanced Engineering

Steering Manor Racing power assisted rack and pinion

Wheels APP Tech forged magnesium

Tyres Pirelli

Brakes Brake system – carbon / carbon discs and pads, Manor Racing rear brake-by-wire
Discs – Carbone Industries
Pads – Carbone Industries
Callipers – AP Racing

Fuel Cell ATL Kevlar-reinforced rubber bladder

Electronics FIA standard ECU and FIA homologated electronic and electrical system

Front Track 1799mm

Rear Track 1799mm

Overall Length 5000mm

Overall Height 949mm

Overall weight: 702kg

Cooling PWR

COCKPIT

Cockpit Instrumentation MESL

Car to Team Radio Transmission FOM

Telemetry FOM

Steering Wheel Manor Racing carbon fibre moulded

Seat Manor Racing composite moulded

Seatbelts Sabelt 5-point

Extinguisher System FEV

POWERTRAIN

Power Unit Mercedes-Benz PU106C Hybrid

Exhaust Mercedes-Benz

ERS Mercedes-Benz

Fuel PETRONAS Primax

Lubricants

PETRONAS Syntium

Functional Fluids

PETRONAS Tutela

TRANSMISSION

Gearbox

Williams Advanced Engineering eight-speed forward, one reverse unit

Gear selection

Sequential, semi-automatic, hydraulic activation

Clutch

AP Racing carbon plate