

Meridian Motorsport - Birkin S3 IRS Race Car

\$57,500 inc GST.

This newly constructed racer was built to compete in the Victorian Marque Sports Car Championship to promote the Birkin S3 while showcasing key products and services offered by Meridian Motorsport. The vehicle has been assembled using the best available components with no expense spared. The car has been setup, corner weighted and dyno-ed but has yet to see any track time – it is **Brand New!**



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Chassis and Body: The racer uses a standard Birkin independent rear suspension (IRS) chassis with a race special one piece fibreglass bonnet and scuttle for ease of access to the under dash electronics. It is also fitted with wide rear race guards to accommodate 10" wide wheels. Hard fibreglass race tonneaus are fitted to the boot and passenger compartment mounted using Zeus fasteners for ease of removal. A Birkin race bucket seat is fitted with the driver being restrained by a 6 point Willans harness fitted with quick adjusters. A Sparco steering wheel and quick release are fitted, with a 4 litre MQ firebomb providing coverage to passenger and engine compartments. The car is professionally wired to "motorsport" standard with cut-off switch and dash switching as needed. A Meridian CAMS approved roll cage is fitted including forward stay and driver side intrusion bar. The immaculate paintwork includes GM Sting Red for the body with gleaming black for the front and rear guards.

Suspension: The standard Birkin IRS chassis is fitted with Nitron "Racing Red" single adjustable, alloy shock absorbers and springs with adjustable front and rear anti-roll bars and pedal box.

Brakes: "Outlaw" 4 spot competition callipers and race pads are fitted at the front with the standard Birkin rear calipers (less handbrake) to save weight. The front discs have been machined and the callipers moved inwards to clear the 13" diameter Superlite race wheels.

Engine 220 Hp @ 7000 RPM: The all new engine has been built to class rules and is based on a Toyota 7A over bored block and crank giving a capacity of 1900CC. The short motor is fitted with forged pistons and billet rods while the silvertop 20 valve 4age head has been ported to a Meridian flow bench developed design. The head is fitted with Toda valve springs, custom cams, throttle bodies and large air filter. A lightweight steel flywheel and competition clutch connect engine to gearbox. A baffled cast aluminium sump and Moroso oil accumulator, control valve, remote oil filter and 25 row cooler take care of the oil system. The whole installation is plumbed with Speedflow braided hose and motorsport quality fittings.



Gearbox: Brand new, 5speed Quaife dog box with quick change.

Differential: Subaru EM WRX limited slip differential.

Electronics: A MoTeC M4 ECU with traction control all interfaced to a Race Technology Dash 2 and DL1 Data Logger system is provided. The dash and logger have all been configured and are working via controls from the Sparco steering wheel.

Wheels and Tyres: 13' x 8" Superlite aluminium wheels front and rear fitted with Toyo 205/50 13 R888 "R-spec" tyres. A new pair of Compomotive 13" x 10" wheels is also provided to mount wide rear slicks.

