

BMCRC FORMULA 400



1. ELIGIBLE MODELS

Machines must be production based models which would have been eligible for registration for road use at the time of manufacture.

2. POWER OUTPUT

2.1 The power of a 4stroke powered machines is open and unrestricted.

2.2 For The maximum power for 2-stroke powered machines shall be limited to 78bhp, as measured at the rear wheel on the BMCRC dynamometer, after racing. No tolerance will be allowed in this measurement.

3. MINIMUM WEIGHTS

The minimum post-race weight allowed for the machine, including fluids, lubricants, coolants and residual fuel (quantity as specified in ACU Standing Regulations) are:

400cc 4-stroke 140 kgs

400cc 2-stroke 127 kgs

250cc 2-stroke 117 kgs

The replacement of fluids between the end of a race and the weighing of the bike, is not permitted.

4. ENGINE SIZE

Maximum engine capacity permissible is 415cc, allowing for overbores and engine wear.

Both 4-stroke and 2-stroke, four or twin cylinder machines are permissible.

5. INDUCTION

Carburetted or fuel injected bikes permissible. Bikes manufactured with carburetted engines cannot be modified with a fuel injection system.

6. MODIFICATIONS ALLOWED

6.1 **Frame & Engine Cases.** The frame from headstock to swing-arm pivot, the rear swing-arm and the engine cases must all be from the same model, but these parts may be strengthened and excess lugs may be removed.

6.2 **Cylinders and Cylinder Heads.** These may be changed.

6.3 **Exhaust System, Air-box and Jetting.** These may be changed.

6.4 **Engine.** Internal parts may be modified or replaced.

6.5 **Ignition.** Standard Fitment ignition module or aftermarket are permitted, however any aftermarket ECU must not have the ability store more than 1 ignition map. (if in doubt please contact class rep or BMCRC Technical)

6.6 **Coils.** Stick Coils are permitted

6.7 **Quickshifters.** Or ignition interrupters are permitted

6.8 **Wheels.**

- Any wheel is permitted. OE fitment or aftermarket, no restriction on material.

6.9 **Front Forks and Suspension.**

- Fork type is Open

- Any OEM production fork may be fitted.

- Radial caliper type forks are permitted.

- Fork springs may be replaced, and after market damper kits or valves may be installed

- Fork caps may be modified or replaced to allow external adjustments.

6.10 **Brakes.**

- Radial Calipers are permitted.

- Any front caliper allowed.

- The front master cylinder may be replaced with an alternative.

7. TYRES

Tyres can be treaded or slick. Rain tyres may be used..

8. FUEL

For 4-stroke powered machines, the only permissible fuel is from roadside outlets, on which the duty and tax has been prepaid.

2-stroke powered machines, in addition to the above, may use "Avgas" either on its own, or mixed with the above permissible fuel.

9. BODYWORK

- The profile may be altered from the standard production model.

- Official sponsor stickers may have to be displayed on bodywork, position to be announced. Failure to display sponsor stickers will render bike ineligible for points.

10. CONFORMITY

In all other respects, the machine must conform to the ACU Standing Regulations for Solo Machines

