

CLASS REGULATIONS

SUPERKART

SK1.1. Class. 125 Open

SK1.2. Introduction. This class is for water cooled, 125cc, single-cylinder engines with a minimum bore of 53.9mm and a maximum stroke of 54.6mm. Fitted with a gearbox with a minimum of 3 forward gears and a maximum of 6 forward gears.

Regulations as per 2021 Motorsport UK Yearbook & Karting Yearbook where applicable.

SK1.3. Chassis. Must conform to current Motorsport UK Yearbook Regulations. All chassis main parts must be firmly secured together on to the chassis frame. Flexible connections are only authorised for the conventional steering knuckle support, and for the steering system. All other devices with the function of one, two or three dimensional joints are forbidden. The chassis frame is the central and main supporting element of the entire vehicle. It must have the necessary strength in order to be able to absorb the loads which are produced when the vehicle is in motion. Any hydraulic, pneumatic or elastomeric elements for damping chassis oscillation are forbidden.

SK1.3.1. Bodywork and bumpers. Either Short or Long Circuit style bodywork may be fitted to the kart. A bubble shield conforming to Motorsport UK Yearbook U17.22 and Diagram 7 and 8 is permitted as an alternative to a Nassau panel.

Short circuit style front, side and rear bumpers complying with Motorsport UK Regulations are permitted when fitted with short circuit style bodywork, except for the CIK rear protection system.

SK1.4. Engine. Any water-cooled engine with a single cooling circuit that is previously or currently registered/homologated for the 125 Open, 125 National, CIK Formula C, CIK KZ1 and KZ2.

The engine must have a maximum of 3 exhaust ports/passages and a maximum of 6 transfer ports/passages.

SK1.4.1. Tuning regulations. Modifications to the engine are allowed, with the following limitations:

- Engines may be fitted with a piston from any other eligible engine with the same nominal bore.
- The bore and stroke may not be modified beyond the maximum 125cc capacity.
- Crankshaft must be from the manufacturers parts list, but may be modified. For example, stuffer plates may be added, balance holes may be drilled and/or filled.
- The engine may be fitted with a connecting rod from any other eligible engine. The length can be from 105mm to 115mm between centres. The connecting rod must be made entirely from magnetic steel.
- The engine may be fitted with a cylinder and head from a previous or later models of the same make providing the crankcase and/or cylinder stud centres are not changed.
- Two piece cylinder heads are allowed. Heads must be original manufacture. Head volume is free choice.
- The crankcase may have its volume changed by machining or adding stuffing material.
- To accommodate different connecting rods and pistons the cylinder head, the cylinder base and top and the crankcase deck may be machined. Extra cylinder gaskets or spacers may be fitted.

SK1.4.2. Ignition. May be self-generating and/or battery powered. Ignitions are open choice but timing and cartography may under no circumstances be modified whilst the kart is in motion.

SK1.4.3. Noise control. As per 2021 Motorsport UK Yearbook U.16.16 and Karting Yearbook Appendix 3.

SK1.4.4. Carburation. All air and fuel for combustion must pass through a single carburettor from the following list :

Dell Orto: PHBE, PHM, PHSB, VHSB, VHSC, VSHH

Kiehen: PWK, PWM, PJ

Mikuni: VM, TM, TMX

Lectron: Power Jet, Power Jet High Velocity

The carburettor may be bored or modified. Electronic carburation systems are not permitted.

SK1.4.5. Expansion chamber. Free choice of design, but made from magnetic steel only.

SK1.5. Transmission. Free choice of gearbox and primary gears.

SK1.6. Brakes. As specified in The Motorsport UK Yearbook section U16.10.1 to U16.10.10

SK1.7. Wheels and tyres. 5" or 6" diameter wheels and tyres with a maximum tyre size width of 8" rears and 5.5" fronts may be used. It is not permitted to mix 5" and 6" tyres on the same axle line. Only CIK-homologated tyres are permitted from the periods 2014 to 2022, unless stated otherwise in the Championship Regulations.

SK1.8. General.

SK1.8.1. Weight. Long circuit style bodywork – 195kgs minimum. Short circuit style bodywork – 180kgs minimum.

SK1.8.2. Number plates. Blue background, with white numbers. U17.26-27 applies, unless varied in Championship Regulations.

SK1.8.3. Age. The class is open to any driver aged 16 or over. Novice drivers are permitted but must display the relevant novice plate as U17.27.4.