

50cc CLASSIC RACING

125cc 4-Stroke RACING

Regulations 2024

Version 5.01

Last Amendment Date: 26-09-23

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General Regulations

1. Clothing

The rider must wear a one-piece leather overall with a material thickness of at least 1.2 mm, with reinforcements on shoulders, elbows, hips and knees. Wearing a hard back protector with EC-quality mark is mandatory. The rider must wear gloves and boots of leather or other material with the same relevant characteristics. Gloves and boots should completely overlap the overalls. Wearing eye protection in the form of an undamaged visor is mandatory.

2. Helmet

The helmet must be equipped with a chinstrap with double D closure and an official ECE 22-05, ECE 22-06 label or an approval label recognized by the FIM, which is firmly attached to the helmet and clearly indicates the relevant approval number.

The helmet must be in good condition.

3. Age

The minimum age to participate is 15 years.

In special cases, the board may allow a younger participant to participate in case of demonstrated experience and/or abilities.

4. Liability

- **4.1** Participation is at your own risk. The participant, partly responsible to third parties, will exempt the organisers, the Freetech50 Foundation and their representatives from all costs and declarations incurred in connection with a third party claim, and of any obligations to third parties, except in the event of gross negligence.
- **4.2** The participant must be healthy in body and mind and be able to control his machine responsibly.
- **4.3** The participant knows and applies the rules associated with the light and (digital) flag signals.
- **4.4** Both the participant and his team members, helpers or guests must at all times follow the instructions of the officials.

5. Stickers

The Freetech50 organization can oblige the participant to place stickers from, for example, a class sponsor at a pre-agreed position on his machine.

6. Code of Conduct

Our rules of conduct apply during events, as well on our social media and other Freetech50 activities.

The rider is at all times responsible for his behavior and the behavior of his or her team members, helpers or guests. The rider and the team members, helpers or guests belonging to him or her must adhere to the following rules of conduct.

Penalties can be handed out to the rider for misconduct by him/her or his/her team members, helpers or guests. Multiple team members from the same team can also be punished for misconduct.

Respect everyone

You have respect for everyone. For the opponent(s), your teammates, the race management, the spectators and everyone else. Watch your language and how you present yourself to others. Don't discredit anyone or anything. Make everyone feel that they can move freely.

Respect agreements

Be on time, sign in/out in time, listen to instructions and stick to the rules. Read and adhere to the regulations, this code of conduct and all other agreements.

This applies to the agreements of/with the Freetech50, as well as of the organizing clubs.

Treat the environment with care

Don't break anything, respect everyone's property. Clean up the materials. Throw rubbish in the rubbish bins. Please leave your place neat and tidy.

Do not affect anyone's value

Do not touch anyone against their will. Refrain from discriminatory, disparaging or harassing comments and behavior. Take into account the boundaries that the other indicates. Don't exclude anyone and be tolerant.

Don't discriminate

Do not discriminate on the basis of religion, belief, political opinion, race, gender, sexual orientation, cultural background, age or other characteristics.

Be honest and sporty

Do not cheat, do not use verbal or physical violence, do not use doping.

Report violations of this Code of Conduct

The Freetech50 asks all drivers and associated team members, helpers or guests to cooperate in complying with these rules of conduct. Not all things that can hurt others can be expressed in rules. This does not mean, of course, that if something is not mentioned, it is permissible.

Do you experience or observe transgressive behavior? Try to solve it among yourselves or with the help of a third person. If you need help with this, please approach a board member or driver representative for a (confidential) conversation.

7. Final decision

In all cases that occur during the event, for which these regulations do not provide, the board decides. In special cases, the board is authorized to deviate from the regulations, this at all times in consultation with a driver's representative and/or several board members. The decision should never be made by a single board member.

8. Environmental protection

- **8.1** Fuel, lubricants, degreaser/ cleaning agent, etc., should not enter the soil. The use of a garage mat is recommended. When a circuit and/or manager of the paddock impose additional requirements, this must be met.
- **8.2** All waste (residual waste, tyres, etc) must be deposited on the method indicated/prescribed by the circuit and/or manager of the paddock. If such facilities are not present, it must be disposed responsibly by the participant.
- **8.3** If the above rules are not complied, the organisation will recover the costs of dispose the waste and/or cleaning the soil plus a fine (amount to be determined) on the participant.

9. Protest filing

- **9.1** Filing a protest can only be done by a participant.
- **9.2** A protest against the driving /track behavior of a fellow participant can be done from 1 hour after the race, if it's done earlier than 1 hour after the race, then the board can immediately reject the protest. The petitioner of the protest himself must come up with the evidence, this can be done by means of camera videos, officials who can testify or several participants who can/want to testify.
- **9.3** A protest against the technical condition of a competitor's machine can be lodged at any time.
- 9.4 Protest costs amount to €100, which must be handed over simultaneously with the submission of the protest. If the protest has been declared well-founded, €50 will go back to the protestor, if the protest has been declared unfounded, €50 will go to the person against whom the protest has been lodged.
- **9.5** The statement can be pronounced immediately in urgent cases, for nonurgent protests the board can decide to come up with a decision after the event.

10. Machine change

The machine on which the driver starts the race is the machine on which the entire race must be completed.

Technical regulations

1. General

Each machine must be in a safe and proper condition and must not have sharp parts, for the assessment by the technical committee.

If in doubt, consult the head of the technical committee.

In cases where these regulations do not provide for or where the rules call for discussion, the Technical Committee decides.

2. Pressure filling

The pump operation of the sump is not considered as mechanical pressure filling, provided that the total variation of the sump volume during a crankshaft rotation does not exceed the permissible cylinder capacity. Direct injection of fuel is not considered pressure filling.

3. Rotating parts

Rotating parts of the ignition, the clutch and the transmission must be properly shielded in such a way that it is not possible to trap and/or amputate any part of the body. A full streamline is seen as shielding, if this is not present, the rotating parts will have to be shielded separately. A shield plate with a minimum thickness of 2 mm and of sufficient strength must be fitted in front of the rear sprocket in such a way that it is not possible for any part of the body to get between the lower chain run and the rear sprocket.

4. Brakes

Brakes must be properly mounted and secured. Brake discs must be at least 3 mm thick and made of material intended for this purpose.

5. Tyres

Valves must be sealed with metal valve caps.

6. Noise

The maximum permitted noise level is 98Db/A static measured at 100 cm from the exhaust at a maximum of 45 degrees at the centerline of the exhaust but at least 20 cm above the ground.

7. Steering

Clip on tubes must be sealed with rounded, smooth plastic or light metal caps. The steering rash, measured from the straight end of the steering wheel, must be at least 15 degrees on both sides. A permanent touch should ensure that, with each steering result, a space of at least 30 mm remains free between the steering wheel and all other parts (tank, frame, streamline etc).

8. Kill Switch

The machine must be equipped with a switch with which the ignition can be switched off. The preference is for a switch with a red button that is clearly visible on the steering wheel, such that the rider can operate it without taking the hands off the steering wheel.

9. Handles en footrest

The ends of brake and clutch handles must be spherical. The gas handle must be self-closing. Footrests must be at least 70 mm long. The ends must consist of plastic or light metal and must be rounded.

10. Cables and pipes

Hydraulic pipes and control cables of brakes, coupling and gas shall not show any damage and shall be fitted in such a way that wear or clamping is not possible. Pipes must not leak.

11. Cooling

In liquid cooling, only water may be used as coolant. Antifreezes are not allowed.

External oil lines must be attached by means of screw or compression fittings. The use of hose clamps on oil lines is prohibited.

12. Safety wiring

Safety wiring means the prevention of loosening by the use of metal wire with a thickness of at least 0,6 mm. The use of self-securing nuts and products such as Loctite is not considered to be guarantors because their proper functioning cannot be determined without disassembly at the technical inspection.

All oil filler and drain plugs, plugs, bolts and nuts that could cause oil leakage when loosened must be secured.

Bolts and nuts with which brake calipers and brake anchors are attached, as well as a removable muffler, must be secured.

13. Fuel

All engines must use petrol, diesel or bio fuel. Additives based on manganese, iron and nickel are NOT allowed.

In addition, the fuel must NOT contain any substance capable of an exothermic reaction without an outside oxygen supply. Only outside air may be mixed with the fuel as an oxidant.

14. Fuel tank

To reduce the risk of explosion and fire, the fuel tank must be fitted with Explosafe or another explosion-resistant product.

15. Exhaust

No part of the exhaust system may protrude behind the rear tyre. The exhaust (not just the silencer) must be attached with at least one bolt. Securing springs is recommended.

16. Number plates

There must be three number plate surfaces: one centre front and one on each side.

If the surface is not sufficiently flat, the starting number should be applied to both oblique fronts, both left and right.

The smallest diameter of the license plate must be at least 125 mm. The digits must be at least 90 mm high.

17. Camera

A Camera must be properly mounted and secured by more than one sureness.

In case of dispute, the board can request the images and the driver must cooperate.

18. Safety taillight

The machine must be equipped with a red light on the back of the seat and must be in working condition so that it can be used during a "WeTrace" or in a limited view, at the instructions of race control.

Additional Technical Regulations Freetech50 class

1. Cylinder capacity

The maximum permitted cylinder capacity is 50 cc for naturally-aspirated engines and 40 cc for engines with mechanical pressure filling.

The cylinder capacity is calculated using the formula: content = bore x bore x stroke $\times 0.0007854$ Boring and stroke must be filled in millimeters.

2. Weight

The total weight of the ready-to-drive machine must be at least 55 kg. The total weight of machine plus rider must be at least 120 kg.

3. Wheels

Wheel size at least 16 inches. No material may be removed from rims and spokes.

Additional Technical Regulations Eurocup50 class

1. Cylinder capacity

The maximum permitted cylinder capacity is 50 cc.

The cylinder capacity is calculated using the formula: content = bore x bore x stroke x 0.0007854Boring and stroke must be filled in millimeters

2. Pressure filling

Any form of Pressure Filling (Supercharging) is prohibited

3. Weight

The total weight of the ready-to-drive machine must be at least 55 kg. The total weight of machine plus rider must be at least 120 kg.

4. Wheels

Wheel size 18 inches with maximum width of 1.4 at the front and 1.6 at the rear with a 2.00 tire at the front and a 2.25 tire at the rear. No material may be removed from rims and spokes.

5. Suspension

Front fork and rear suspension plus dampers must be of a classic model, socalled "upside down" models are not permitted. Separate gas/stick reservoirs for the shock absorber are not permitted.

6. Brakes

The maximum brake disc sizes are: 200mm for double disc and 245mm for single disc. The so-called "wave" type disc brakes are not permitted. The brake caliper must be of classic design and have a maximum of 32mm 2 pistons.

7. Electronics

Programmable ignition is permitted provided that the setting cannot be changed by a switch or sensor while driving. Powervalve, Powerjet and Quickshift are prohibited.

8. Appearance

The machine must look completely like a GP machine from 1983 or before. The machine must therefore have been built with the shapes, technology and materials of that time.

Additional Technical Regulations Formula 125 class

1. Cylinder capacity

The engine must be of the "4-stroke" type with a maximum cylinder capacity of 125 cc.

The cylinder capacity is calculated with the formula: capacity = bore x bore x stroke $\times 0.0007854$ Boring and stroke must be filled in millimeters.

2. Pressure filling

Any form of Pressure Filling (Supercharging) is prohibited

3. Homologated models

The models below are considered "homologated". Models that are not on the list can be offered for homologation.

- 🛦 Aprilia RS4 125
- 🛦 Derbi GPR Racing 125
- 🛦 Honda CBR 125R
- 🐟 Hyosung GT 125 R
- 💩 Kawasaki Ninja 125
- 🛦 KTM RC 125

- 🛦 Malaguti RST 125
- ℰ Megelli 125R Sport
- ♠ Motorhispania RX 125 R
- 🐟 Rieju RS3
- 🛦 Suzuki GSX-R125
- ♠ Yamaha YZF-R125

4. Weight

The total weight of the ready-to-drive machine must be at least 100 kg. The total weight of machine plus rider must be at least 150 kg

5. Chassis and Engine

Frame, engine and swingarm must be of the homologated model

6. Wheels

Wheels must be of a homologated model. No material may have been removed from rims and spokes.

7. Suspention

Front and rear suspension plus damper(s) must be of the homologated model.

8. Fairing

The machine must be equipped with a "racing" fairing. All parts relating to the lighting, horn, side stand, center stand, licenseplateholder, passenger bracket and/or passenger footrests must beremoved. The under-fairing must be designed in such a way that it can retain at least the oil contents of the engine in the event of engine fracture.

9. Transmission

The width of the chain must be as the homologated model.

10. Gearbox

Gearbox may have a maximum of 6 gears.

11. Oil cooling

A so-called "Oil Cooler" is prohibited, unless present on the homologated model.

12. Scrutineering

Each participant may submit a maximum of 1 machine for scrutineering and use it if approved. In the event of irreparable damage, another machine can be submitted for scrutineering in consultation with the board and used if approved.