

RULES



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INTRODUCTION

These Rules were created to regulate and held Marka Racing Trophy for 1:10 scale RC Model.

CATEGORIES

The categories are as following:

- [FI Formula 21.5 Scorpion](#)
- [Touring MODIFIED](#)
- [Touring STOCK 13.5](#)
- [Touring 13.5 EFRA F1 & F2](#)
- [ITALIAN GT](#)
- [FI Classic](#)

RACE EXECUTION

- [Rules of Race Execution](#)

I. "FI FORMULA 21.5 SCORPION" CATEGORY TECHNICAL RULES

Car

Maximum width: 190mm

All FI models existing on the market are allowed with 190mm max width, front springs mounted only on king pin, rear rigid axle.

Electronics

All regularly ESC existing on the market in no timing mode (flashing light), original capacitor.

Motor

Scorpion 21.5 motor, the 5€ rental cost is included into the race registration.

Gear-Ratio

Fixed Final Ratio 3.0, if the driver use a different ratio of 3.0 will be disqualified from the race.

Batteries

Battery voltage max 8.40 - 8.41 the tester tolerance allowed - 8.42 to be discharged using the radio until 8.40.

Max charging allowed 12 Amp

Max discharge allowed 20 Amp

The drivers who will charge/discharge the upper parameters will be disqualified immediately.

It is compulsory to use the Lipo Bag.

Tires

Ride GR Rear (RI-26042)

Ride GRX Front (RI-26041)

The removal of the rubber center mould line is allowed.

Drivers must get their tires and bring them to the race direction for punching before opening the package.

Tire warmer

The tire warmer is allowed.

Additives

The additive is allowed.

Bodies

FI body available on the market.

EFRA approved.

The body must have the figure of the driver (helmet) in the cockpit.

Preference the coloring must reproduce a real FI.

Lexan wings are not allowed.

Weight

Minimum weight = 1050 gr including personal transponder.

2. "TOURING MODIFIED" CATEGORY TECHNICAL RULES

Car

Maximum width without body = 190 mm

Maximum width with body = 200 mm

Minimum height with body = 115 mm

Electronics

All regularly ESC existing on the market.

Motor

Motor EFRA approved.

Gear-Ratio

Final Ratio is free.

Batteries

Battery voltage max 8.40 - 8.41 the tester tolerance allowed - 8.42 to be discharged using the radio until 8.40.

Max charging allowed 12 Amp

Max discharge allowed 20 Amp

The drivers who will charge/discharge the upper parameters will be disqualified immediately.

It is compulsory to use the Lipo Bag.

Tires

Team Powers 34 (TP-TPG3404-H)

Each driver receives a set of tires during the registration to the race and will have the opportunity to purchase a second one at a cost of 25 Eur.

The removal of the rubber center mould line is allowed.

Tire warmer

The tire warmer is allowed.

Additives

The additive is allowed.

Body

190mm 4-door commercially available saloon bodies.

EFRA approved.

All bodies must have lights (front & rear decals).

Only lexan rear wings are allowed.

Weight

Minimum weight = 1320 gr including personal transponder.

3. "STOCK 13.5" CATEGORY TECHNICAL RULES

Car

Maximum width without body = 190 mm

Maximum width with body = 200 mm

Minimum height with body = 115 mm

Electronics

All regularly ESC existing on the market in no timing mode (flashing light), original capacitor.

Motor

Fleta ZX V2 13.5T Fixtiming Spec Brushless motor with gold Banana connector 3.5mm Male, the 5€ rental cost is included into the race registration.

Gear-Ratio

Fixed Final Ratio "5" working fan required, if the driver use a different ratio of "5" will be disqualified from the race.

Batteries

Battery voltage max 8.40 - 8.41 the tester tolerance allowed - 8.42 to be discharged using the radio until 8.40.

Max charging allowed 12 Amp

Max discharge allowed 20 Amp

The drivers who will charge/discharge the upper parameters will be disqualified immediately.

It is compulsory to use the Lipo Bag.

Tires

Team Powers 34 (TP-TPG3404-H)

Each driver receives a set of tires during the registration to the race.

The removal of the rubber center mould line is allowed.

Tire warmer

The tire warmer is allowed.

Additives

The additive is allowed.

Body

190mm 4-door commercially available saloon bodies.

EFRA approved.

All bodies must have lights (front & rear decals).

Only lexan rear wings are allowed.

Weight

Minimum weight = 1320 gr including personal transponder.

4. "TOURING I3.5 EFRA F1 & F2" CATEGORY TECHNICAL RULES

Car

Maximum width without body = 190 mm

Maximum width with body = 200 mm

Minimum height with body = 115 mm

Electronics

All regularly ESC existing on the market in no timing mode (flashing light), original capacitor.

Motor

I3.5 Motor EFRA approved.

Gear-Ratio

Final Ratio is free.

Batteries

Battery voltage max 8.40 - 8.41 the tester tolerance allowed - 8.42 to be discharged using the radio until 8.40.

Max charging allowed 12 Amp

Max discharge allowed 20 Amp

The drivers who will charge/discharge the upper parameters will be disqualified immediately.

It is compulsory to use the Lipo Bag.

Tires

Team Powers 34 (TP-TPG3404-H)

Each driver receives a set of tires during the registration to the race.

The removal of the rubber center mould line is allowed.

Tire warmer

The tire warmer is allowed.

Additives

The additive is allowed.

Body

190mm 4-door commercially available saloon bodies.

EFRA approved.

All bodies must have lights (front & rear decals).

Only lexan rear wings are allowed.

Weight

Minimum weight = 1320 gr including personal transponder.

5. "ITALIAN GT" CATEGORY TECHNICAL RULES

Car

Maximum width without body = 190 mm

Maximum width with body = 200 mm

Minimum height with body = 115 mm

Electronics

All regularly ESC existing on the market in no timing mode (flashing light), original capacitor.

Motor

21.5 Motor EFRA approved.

Gear-Ratio

Fixed Final Ratio 4.0, if the driver use a different ratio of 4.0 will be disqualified from the race.

Batteries

Battery voltage max 8.40 - 8.41 the tester tolerance allowed - 8.42 to be discharged using the radio until 8.40.

Max charging allowed 12 Amp

Max discharge allowed 20 Amp

The drivers who will charge/discharge the upper parameters will be disqualified immediately.

It is compulsory to use the Lipo Bag.

Tires

Team Powers 34 (TP-TPG3414-H wheel 7 strokes)

Each driver receives a set of tires during the registration to the race.

The removal of the rubber center mould line is allowed.

Tire warmer

The tire warmer is allowed.

Additives

The additive is allowed.

Body

190mm 2-door commercially available GT bodies not cabriolet.

All bodies must have lights (front & rear decals).

Only lexan rear wings are allowed.

Weight

Minimum weight = 1320 gr including personal transponder.

6. "FI CLASSIC" CATEGORY TECHNICAL RULES

Car

Only Fenix Classique (F1 60's years) allowed, rear wheel drive (2WD) with rigid rear axle with differential. Ball and gearboxes differentials are allowed.

The cars must be assembled as described into the manual, the modifications to the chassis or to the body are not allowed. On the cars can be installed the ESC, receiver, transponder and servo.

Electronics

All regularly ESC existing on the market in no timing mode (flashing light), original capacitor.

Motors

Only 21.5 fixed motors are allowed included into the following list:

- Fenix HOT-STOCK 21.5 (FM00215-HS)
- HW Justock 3650 SD G2 (HWA30408007)
- HW Justock 3650 (HWA30408003)
- HW Justock Xerun 21.5 (HW-90040150)

Gear-Ratio

Fixed Final Ratio 3.0, if the driver use a different ratio of 3.0 will be disqualified from the race.

Batteries

Only LIPO batteries are allowed, only Super Shorty configuration with a "hard case", nominal voltage 7.4 / 7.6 V (HV); dimensions: 69.2 x 46.8 x 24.9 mm or equivalent depending on the manufacturer.

Battery voltage max 8.40 - 8.41 the tester tolerance allowed - 8.42 to be discharged using the radio until 8.40.

Max charging allowed 12 Amp

Max discharge allowed 20 Amp

The drivers who will charge/discharge the upper parameters will be disqualified immediately.

It is compulsory to use the Lipo Bag.

Tires

Ride RI Rear (RI-26023)

Ride RI Front (RI-26022)

The removal of the rubber center mould line is allowed.

Drivers must get their tires and bring them to the race direction for punching before opening the package.

Tire warmer

The tire warmer is prohibited.

Additives

The additive is allowed.

Carrozeria

NO wings and any kind details not included into the car box are not allowed.

The body must be painted with realistic liveries, fantasy or transparent liveries will not be allowed. The decade is 1960/69; F2, F3 or Indianapolis liveries are also allowed but in the same historical period; at the time of departure all the cars will have to be equipped with the complete body in all its parts and helmet (not in lexan), helmets in printed plastic, in 3D, in resin, it is important that the helmet is in one piece detached from the rest of the body.

Weight

Minimum weight = 950 gr including personal transponder.

7. RULES OF RACE EXECUTION

Pre-Qualify

- Pre-qualify is optional and each run will last 5 minutes
- The subdivision into batteries will take place in random order
- The starting grid will be staggered
- Best Lap will be considered
- The grid position for the 1st qualify will be determined by the sum of the 3 best laps.

Qualify

- 3 qualifies each run lasts 5 minutes
- Only 1 from 3 is valid
- It is considered the best performance of laps/time.

Mains

Categories Formula FI 21.5 Scorpion, FI Classic

- 3 mains, each run lasts 5 minutes
- only 2 best performances from 3 is valid, at parity the best lap / time performance is valid

Categories Touring Modified, Touring Stock 13.5, Touring 13.5 EFRA FI&F2, Italian GT

- 3 mains, each run lasts 5 minutes
- only 2 best performances from 3 is valid, at parity the best lap / time performance is valid

Have fun!

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