



## Golden Era Inline and Radial V19-21.0

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**(1)Aircraft:** Entries are to be a scale representation of any full size aircraft that either attempted to qualify, qualified, or competed in either the Thompson Trophy Races in the USA, or the King's cup races in the United Kingdom, or other races of similar type during the 'Golden Era'. Inline refers to the full sized aircraft using an inline engine and radial to the full sized aircraft using a radial engine. Tail dimension may be increased by 5% to ensure good flying characteristics. Control surface dimensions may be varied as long as the aircraft outline is not affected. Flaps and flying wires are not compulsory even if the original aircraft used them.

**SIZE of MODEL:** Model must conform to the basic scale outlines and meet a TOTAL MINIMUM SIZE OF: MONOPLANES - Wingspan plus fuselage length to total 156" (3.96M) BIPLANES - 117" (2.97M), wingspan is based on the larger (upper) wing.

Radio system: 2.4 GHZ, 1700mAh RX battery minimum. One servo per control surface Minimum torque rating of 4.5kgcm (69oz-in). Elevators cannot be joined to make them 1 surface.

**SCALE DETAILS:** Models are to conform to basic scale outlines, Scale detail eg rivets. Panel outlines, etc are not compulsory. Three views or other documentation is required.

A clear windscreen or canopy as applicable and a pilot bust installed in the cockpit are required. **Please** note dolls and cartoon characters are not acceptable.

An instrument panel with at least three scale size gauges is required.

**AIRCRAFT WEIGHT:** Minimum weight of 2.5lbs per Engine 10 cc is required.

For example, 100cc engine minimum wt. = 25lbs. (13.6kg) (note max engine size 100cc) Weight is measured dry.

An absolute minimum of 7.5 Kg (16.5lbs), maximum weight 25Kg (55lbs)(dry) applies.

**LANDING GEAR:** MUST be scale i.e. if the original aircraft had retractable gear the model must do so. If the original aircraft had wheel spats the model must also have them.

**CLASS SPLITTING:** If sufficient entries are received, the class will be split into **inline** and **radial** for fairer and closer racing.

**(2)Engine:** A maximum size of 100cc (6.0 cu) is allowed (Note min weight of the aircraft to be 2.5 lbs (1.14Kg) per 10 cc, absolute minimum 7.5 Kg). Engines must be FULLY\* cowed as per the prototype, and only the spark plug, ignition wire, and carburetor may protrude. \*Note that a small portion of the exhaust manifold may protrude, but the main body of the muffler must be cowed as per the prototype. External covered mufflers that are outside the scale plan form are not permitted\*

Pressurised injection systems may not be used.

**(3)Fuel:** Any MAAA legal fuel.

**(4)Muffler:** No tuned pipes or exhaust augmentation is allowed. Effective Mufflers must be fitted.

**(5) Prop:** Any MAAA legal prop.