

1/6th SCALE UNLIMITED HYDROPLANE RULES

DISTRICT 7

A. GENERAL RULES

1. Scale Unlimited Hydroplane racing rules are intended as a supplement to the general racing rules of NAMBA. In the case of a conflict, the Scale Unlimited Hydroplane racing rules will prevail.
2. The purpose of the class is to duplicate the unlimited class of hydroplanes as closely as possible.
3. The National Scale Unlimited Hydroplane Chairman will coordinate and communicate the business of Scale Unlimited Hydroplane competition with the individual district Scale Unlimited Hydroplane Chairmen.
4. The Scale Unlimited Hydroplane Contest Board will be made up of the National Scale Unlimited Hydroplane Chairman and a representative from each NAMBA district. The Scale Unlimited Hydroplane Contest Board reserves unto itself the power of decision in all matters of duplication or conflict.
5. It is the responsibility of the Contest Director to ensure that the spirit of racing an Unlimited Hydroplane boat is enforced. Some examples that may not be allowed include: adding weights to the top of the hull, removing undamaged parts/features, or entering a boat that has not been painted to conceal prior damage.

B. RACE FORMAT

1. At the discretion of the Contest Director, races will be run either under the NAMBA Heat Racing format or the "love plan" which is run as follows:
 - a. The event must consist of four preliminary rounds of heats and one final round of concluding heats. The concluding round of heats must consist of one final heat sometimes called the "main" and may include a maximum of two semi-final heats sometimes called the "semi-main" and/or "consolation/trophy" heats.
 - b. The division of boats into heats for the four preliminary rounds will occur by random draw. The drawing of boats into heats for round one will occur immediately following the driver's meeting and before heat racing begins. A drawing of boats into heats for rounds two through four will occur in the presence of owners and drivers, if possible.
 - c. The boats with the highest points after the four preliminary rounds will be eligible for the final heats. The number of boats eligible for the final heats is six. If a frequency conflict exists between two or more boats eligible for the final heats, preference goes to the boat that has accumulated the most points in the preliminary rounds, or to the boat with the fastest time should a tie in points occur. The other boat will have the option to change to any other available frequency.
 - d. After the final field has been set, the next lower boat will be designated as an alternate starter for the final heat should one of the boats in the final heat field fail to start.
 - e. After the final heat field as been set, the boats not qualified for the final heat will be used to fill the "semi-main" and/or "consolation/trophy" heat(s).

- f. The outcome of any of the “semi-main” and/or “consolation/trophy” heats will not affect the overall standings or points for the day.
- g. Final race standings will be determined by order of finish in the final.

C. HULL SPECIFICATIONS

1. All boats will be models of past or present Unlimited Hydroplanes that are listed on the Scale Unlimited Hydroplane Master Hull Roster
2. Boats are to be built on a scale of 1.8 inches equal 1 foot of the actual boat (1/6.667 scale).
3. The true scale dimensions of any Scale Unlimited Hydroplane will be derived from the unlimited dimensions listed on the Scale Unlimited Hydroplane Master Hull Roster. Boats will measure within the following tolerances of the true scale size, excluding appendages.
 - a. Overall Length + or - 1.25 inch
 - b. Beam + or - 12%
 - c. Maximum Depth + or - 10%
 - d. Afterplane Length (three point design) + or - 10%
 - e. Tunnel Width + or - 10%
4. Boats will be painted, configured, and detailed like the actual unlimited as it ran on the water. The acquisition of documentation validating a paint scheme, cowling configuration, engine configuration, or other scale details will be the responsibility of the boat’s owner. Photographs of the boat are an acceptable form of documentation.
5. Boats will enter competition complete with cowling(s) and driver(s). If any of the removable parts fall off the boat during the competition, except as a result of a collision, that boat will be awarded no higher than sixth place points in that round upon completion of the heat. This penalization only affects the points that are awarded and not the finishing placement of the boat which incurred the infraction. The placement of and points awarded to other boats in the heat are not affected by this ruling.
6. The boat’s engine, tuned pipe and muffler must be concealed within the boat as well as possible, while not deviating from scale appearance. Scale engine cowls, fake engines, painted screen, etc. are permitted.
7. The number of props and rudders will coincide with that of the original full sized unlimited hydroplane.
8. Outdrive units and outdrive engine(s) are prohibited unless the full sized unlimited boat after which the boat is being modeled had an outdrive or outdrive engine(s), in which case the model must be configured like the full sized unlimited boat.
9. The propeller drive dog may extend one drive dog length beyond the transom.
10. The boat bottom/sponson profile will be the same general appearance as that of the full sized unlimited hull it represents with the following exceptions:
 - a. Sponson riding surfaces may be modified.
 - b. Propeller shafts may be articulated.
 - c. Rudders and skid fins may be configured and located as desired.

D. ENGINE SPECIFICATIONS

1. The engine must conform to NAMBA G or GX classification from 15 to 30.50 cubic centimeters displacement.

E. MASTER HULL ROSTER

1. The Scale Unlimited Hydroplane Master Hull Roster will contain the name and details that identify each boat that may be built for Scale Unlimited Hydroplane competition. It will contain the principle dimensions of each boat that is listed, if known.
2. The National Scale Unlimited Hydroplane Chairman will be responsible for compiling, interpreting, updating, and distributing the official Scale Unlimited Hydroplane Master Hull Roster. The official Scale Unlimited Hydroplane Master Hull Roster may be purchased for \$5 and must be signed and dated by the National Scale Unlimited Hydroplane Chairman. He will make an updated roster available by January 31st of each year. The updated Master Hull Roster will be posted on the NAMBA web page.
3. Boats must meet the following criteria to be placed on the Scale Unlimited Hydroplane Master Hull Roster:
 - a. The full sized boat must have been registered with an unlimited hydroplane racing association.
 - b. The registered boat must have made at least one verifiable test run in the water.
4. The Scale Unlimited Hydroplane Master Hull Roster will include the name, address, and telephone number of the National Unlimited Hydroplane Chairman, all District Scale Unlimited Hydroplane Chairmen, and all known manufacturers, builders, photographers, plan makers, etc. which are helpful in building Scale Unlimited Hydroplanes.

F. SCALE CONCOURSE JUDGING

1. All boats are to be judged from six feet off (stand off scale). A photograph or picture must be supplied to the contest director for each boat entered in the concourse judging.
2. To be eligible for the Concourse Award, the boat must at least start in one heat race with it's appearance/configuration as presented at the Concourse Judging. No substitution or replacement of cowl, fake engine, wing(s) or other scale items will be allowed.
3. Judging will be based upon a point system as follows:
 - a. Documentation – 40 point maximum
 - i) 0-10 points – Photograph(s)/presentation
 - ii) 0-10 points – General Appearance
 - iii) 0-10 points – Workmanship
 - iv) 0-10 points – Engine, exhaust, and radio gear concealment
 - b. Detail – 30 point maximum
 - i) 0-10 points – Engine/cowl detail
 - ii) 0-10 points – Driver detail
 - iii) 0-10 points – Cockpit detail
 - c. Paint job, markings, etc. – 30 point maximum
 - i) 0-10 points – True colors
 - ii) 0-10 points – Scale of markings, decals, lines, numbers
 - iii) 0-10 points – Overall finish