



NEW YORK YACHT CLUB 2004 CRUISING RULE APPLICATION

(Please refer to the enclosed directions)

YACHT DESCRIPTION

NAME:
SAIL #:
DESIGNER:
BUILDER:
CLASS:
RIG:

HULL DATA

LOA:
LWL:
BEAM(MAX):
DRAFT(KEEL):
DRAFT (CB) Up/Dn:
DISPL (LBS):
BEAM (WL):

SAIL DATA

I:
J:
P: P₂:
E: E₂:
G_M: G_{m2}:
G_U: G_{u2}:
Gaff headed sail area:
Gaff headed sail rig height:
(From top of boom to top of gaff)

HULL: MATERIAL / COLOR / YEAR: _____ / _____ / _____

Propeller A: (circle all applicable) In Aperture Exposed Shaft Sail Drive Off Center
Propeller B: No. of Blades _____ (circle all applicable) Fold/Feather Solid Outboard Twin Screw
Keel C: (circle one) Fin Full Centerboard Drop Fin with bulb or wing Other
Mast/Spreaders D: (circle one) Wood or Internal Furling Aluminum Carbon Fiber
No. of Pairs of Spreaders: _____ **Largest Jib Size:** _____% **J, Furling Sails:** (Circle all that apply) Jib / Main / Mzn
Sail Material: Mainsail: _____ Largest jib: _____ (Woven, Laminated Cruising, Laminated Racing) (Ask your Sailmaker)
Use: _____% Racing _____% Other

NEW YORK YACHT CLUB CRUISING RULE: Rating in $S/M = 2340/R^{.5} + 183$; $R = RF * ((.98L) + (1.32 * SA^{.5}) - (1.5 * DSP^{.333}) + (DrC))$; where $SA = SMF * (1.2 * I * J + .8 * P * E_c + .4 * P_2 * E_{c2})/2 * ((Max\ of\ I\ or\ P)/(J + E + E_2))^{.3}$; and L = greater of $(1.05 * LWL)$ or $(LOA + 3LWL)/4$; $DrC = (Rated\ draft - Base\ draft) * (1\ if\ positive\ or\ 0.5\ if\ negative)$; and $RF = Prop\ Factors * Keel\ Factor * Mast\ Spreader\ Factor$. Prop Factors are: In Aperture .975; Exposed Shaft .99; Sail Drive .985; Off Center .99; 2 Blade Fold/Feather 1.01; 3 Blade Fold/Feather 1.00; Solid 2 Blade .975; Solid 3 Blade .95; Outboard 1.02; Twin Screw .96. Keel factors are: Fin 1.02; Full .975; Center Board .96; Drop Keel 1.03; Fin with bulb or wing 1.03 if DrC is negative and 1.03 if positive. Mast/Spreader Factors are: Wood or Internal furling .98; Aluminum 1.00; Carbon 1.01; No. of pairs of Spreaders: Zero .98; 1 or more 1.00. $E_c = .5 * E + .75 * G_M + .5 * G_U$; Base draft = $(0.15 * LWL + 1.5)FT$; Rated draft = Draft(keel) or Draft(CB); Draft(CB) = $Up + .5 * (DN - UP)^2 / DN$; Sail Material Factors: Mainsail (MMF = 1.00 if Woven; 1.02 if Laminated Cruising; 1.04 if Laminated Racing); Jib (JMF = 1.00 if Woven; 1.03 if Laminated Cruising; 1.6 if Laminated Racing). Honorary Winners Penalties: 2% for first, 1% for second based on overall season performance; factor to apply for two years.

RESTRICTIONS & RRS MODIFICATIONS: Minimum LWL = 25 feet. RRS 52 is modified to allow power operated winches. Crew is limited to the number of berths and must be stationed fully inside the lifelines except as required for sail handling. No spinnakers allowed. No mizzen staysails on yawls. Number of jibs allowed on board: one up to 150% J; one up to 135% J; one up to 110% J. Smaller jibs: no restrictions. No spinnaker pole or outrigger shall be carried to leeward. Only one jib shall be carried in the foretriangle at one time; i.e., drop one sail before setting another. Bonefide double headsail rigs may be carried with staysail attached to inner forestay. A spinnaker pole no longer than J may be used to wing out a jib on the side opposite the main boom as long as no other sail is set in the fore triangle.

OWNER'S STATEMENT: The above measurements were either taken by me, or under my supervision, or were provided by the Builder/Designer/Sailmaker of the above yacht. I certify that the data is correct to the best of my knowledge. I accept the right of the NYYC Technical Committee to review the data and make changes for greater accuracy if warranted. I also accept the right of the Technical Committee to reject this application if it determines the yacht is not suitable for NYYC Cruising Rule Class racing.

NAME: _____

SIGNATURE: _____

ADDRESS: _____

TEL: _____

FAX: _____

CITY/STATE/ ZIP: _____

EMAIL: _____

RETURN TO: Sailing Office/ New York Yacht Club/ 5 Halidon Avenue/ Newport, RI 02840
Tel: 401-845-9633 Fax: 401-846-3303 Email: sailingoffice@nyyc.org