



FOLSOM LAKE YACHT CLUB PHRF RATING APPLICATION

2004

The FLYC PHRF committee has no responsibility for the seaworthiness or safety of yachts rated, but cites US Sailing Environmental Rule 4, "It shall be the sole responsibility of each yacht to decide whether or not to start or to continue to race." FLYC PHRF will only rate STANDARD PRODUCTION BOATS from known BASE RATES and OFFSETS. Custom/New model boats need a regional certificate.

TO SUCCESSFULLY UNDERSTAND AND FILL OUT THIS FORM REFER TO THE FLYC PHRF CLASS RULES. Note: One Design Rules do not take precedence over PHRF Class Rules when racing PHRF.

Classify your Production Boat:

New - No Base Rate

Un-modified

Modified

Custom Built

BASE BOAT RATING

Model as Listed _____

Rating as listed _____ Sec/Nm

So Cal PHRF

YRA - SF

Other _____

Fixed Non-Lead

Wing Head Sail % LP _____

Water ballast _____ %

Keel/centerboard _____

Spinnaker

Non-Spinnaker

Name: _____

Address: _____

City: _____ CA _____

Boat Name: _____ Sail Number: _____

Manufacturer: _____ Year Built: _____

Phone: _____ Class/Type: _____

Rating is Free until 7 days prior to race. Late Fee \$10

PERFORMANCE FACTOR
 $[(.67 * LWL) + (.34 * LOA)] * (SA / DISP)$
 Where $SA = ((I * J) + (P * E)) / 2$
PF = _____

RATED SAIL AREA
 $((J * I) / 2 * 1.55) + ((P * E) / 2)$
 For LP < 115% or LP > 155% Use LP * .01
RSA = _____ Sq. Ft.

Sport Boat
 S/D > .25 Asym - or -
 S/D > .30 Any Spin.
SA/Disp. = _____

Foretriangle

I = _____ Ic _____

J = _____ Jc _____

Largest Headsail = _____ % LP

SPL = _____ BPL = _____

- 3 Sec./Nm

Main Foot "E" =<+10%

Main Luff "P" =<+5%

Added/Removed Ballast

Mark I Elliptical Keel

Rudder Shape Mod.

Added Bracing/Stiffener

Upgraded/Stiffer Deck

Non-Cont. Multi-spreader

Rod Rigging

Rigid MAST, Sm/Lt..

Rigid BOOM, Sm/Lt.

0

- 6 Sec./Nm

Headsail LP > 155%

Main Foot "E" =<+20%

Main Luff "P" =<+10%

Increase "I" =<+5%

Spin Pole =<+10%

Sump Removed

Replace iron keel with lead

Removed interior part

Add running Backstay

Add running Checkstay

Add running Babystay

Flex MAST, Sm/Lt.

Flex BOOM, Sm/Lt.

0

- 9 Sec./Nm

Increase "I" =<+10%

Spin Pole =<+15%

Tall Rig P & I =<+5%

0

- 12 Sec./Nm

Increase "J" =<+10%

- 15 Sec./Nm

Tall Rig P & I =<+10%

0

Entry IS Ok'd

Required Safet Gear

MSD Aboard

Main

P = _____ MGU = _____

E = _____ MGM = _____

Spinnaker

SL = _____ Symmetric? Yes No

SMW = _____

SPL = _____ as % of largest of J or SPL

SLE = _____ Asymmetric? Yes No

SLU = _____

ASMW = _____ SF = _____

Non - Spinnaker Offset = _____ Sec/Nm

$(.028 * (.95 * SQRT(12 + J2)) * J * (Bouy Rating + 546)) / \text{Rated Sail Area}$

+ 9 Sec./Nm

Shoal Draft Wing Keel 0

Applies only if different from rated

Asymmetric Rated Only

Use 1.15 instead of .95 to calculate Spin. Offset

- 6 Sec./Nm

Jib LP greater than 155% of J

Mylar or kevlar Jib

Mylar or kevlar Mainsail 0

Note: Cruising Class Yachts are subject to Appendix C, D, & E adjustments cumulatively. (i.e. LP > 155% Adj. Totals -12)

(i.e. LP > 155% Adj. Totals -12)

Hull

LOA _____

LWL _____

Beam _____

Draft _____

Engine

Inboard

Outboard

None

Cruiser Entry NOT Ok'd

Full Cruising Interior

PF < 2.1 No Spin.

Primarily Non Race Design

No MIR Aboard

+ 6 Sec./Nm

Fixed 2 blade propeller

Roller furling headsail

0

+ 9 Sec./Nm

Fixed 3 blade propeller

Roller furling mainsail

Jib LP less than 140% of J

0

Displacement

Total _____ Ballast Material: _____

Ballast _____

Moveable Ballast: Yes No

The FLYC PHRF rating certificate is a contract between you, the PHRF committee, and your competitors. You and your competitors expect this form to be accurate, and that reported characteristics be maintained while racing. Failure to advise the PHRF Committee in writing of ANY modification to your boat, which will alter its sailing performance, may be grounds for protest and disqualification of the yacht. Your rating is valid through December 31st.

Base Rate _____ 0 Sec/Nm

Std. Adj. _____ 0 Sec/Nm

Cruiser Adj. _____ 0 Sec/Nm

Subtotal = _____ 0 Sec/Nm

Signature Of Owner: _____ Date: _____

This yacht will races as:

Blue Keel _____

Spinnaker _____

Non-Spinnaker _____

_____ Sec/Nm

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