

# P H R F - N B

## P H R F - N B STANDARD ADJUSTMENTS

### 1. GENOA SIZE

A.

LP% Lower Limit	LP% Upper Limit	Spinnaker Adjustment	Non-Spinnaker Adjustment
167.1	170	- 5	- 5
164.1	167	- 4	- 4
161.1	164	- 3	- 3
158.1	161	- 2	- 2
155.1	158	- 1	- 1
151.1	155	0	0
148.1	151	+ 1	+ 1
145.1	148	+ 2	+ 2
142.1	145	+ 3	+ 3
139.1	142	+ 4	+ 4
136.1	139	+ 5	+ 5
133.1	136	+ 6	+ 6
130.1	133	+ 6	+ 7
127.1	130	+ 6	+ 8
124.1	127	+ 6	+ 9
121.1	124	+ 6	+ 10
118.1	121	+ 6	+ 11
Less than 118%	118	+ 6	+ 12

B. Cruising Headsail + 6  
 Roller Furling Hdsl + 3

### 2) MAINSAIL

Standard 0

Oversize Mainsail Girths: For mainsails whose girths are greater than IMS standards, or greater than one design class rules, or for a change in size for a custom boat, ratings will be adjusted as follows: (% increase is the sail area increase as a percentage of P x E/2; e.g., boat with a P of 50 ft and E of 15 ft increases his mainsail girths which adds 25 sq ft. , his % increase =  $25/50 \times 15/2 \times 100\% = 6.7\%$  for

a -2 sec/mile adjustment.

% Increase	Adjustment Sec/mile
.1 % to 4%	- 1
4.1 to 8%	- 2
8.1 to 12%	- 3
12.1 to 16%	- 4
16.1 to 20%	- 5
etc.,	

E Changes: 3 sec/mile for every 15% of E

P Changes: 50% of mast height adjustment

Hollow Leach +6

**3) OVERSIZE SPINNAKER/SPINNAKER POLE/ASYMMETRICAL SPINNAKER**

SPL	Sec/mile	SPL	Sec/Mile
up to 101%	0	111+ to 114%	- 4
101+ to 104%	- 1	114+ to 117%	- 5
104+ to 107%	- 2	117+ to 121%	- 6
107+ to 111%	- 3	etc.	etc.

**3A) ASYMMETRICAL SPINNAKERS**

- For yachts who will use only an asymmetrical spinnaker tacked to the bow on the centerline  
i.e., no spinnaker pole or no symmetrical spinnaker with pole + 9
- Oversize poles or bow sprits - see #3 above Variable

**3B) ISP ADJUSTMENT**

Spinnaker halyard height (ISP) greater than I -3 per 8% increase

**4) MAST HEIGHT (Based on I)**

Up to 101% of standard	0	107+-109% of standard	- 12
101+-103% of standard	- 3	109+-111% of standard	- 15
103+-105% of standard	- 6	111+& >% of standard	- 18
105+-107% of standard	- 9		

"I only" adjustments: 50% of mast height

**5) PROPULSION**

Position	No. of Blades	Type	Sec/Mile
Aperature	3	Solid	+ 6
Aperature	2 or 3	Feathering/Folding	- 3
Exposed to flow	2 or 3	Feathering/Folding	0
Exposed to flow	2	Solid	+ 6
Exposed to flow	3	Solid	+ 12
Sail Drive	2 or 3	Solid/Folding	Var
None/Insufficient	---	---	- 3
Outboard	2 or 3	Solid	0

**6) MISCELLANEOUS**

Other adjustment to base ratings may be made for modifications to hull or rig:

No Adjustment	0	Keel	Var
Other combinations	Var	Water Ballast	Var