

## 2024 PHRF-NB Membership/Rating Certificate

This certificate expires on April 30, 2025, or upon change of ownership, whichever comes first.

**Certificate status: Published**

Ratings	
30	47
Spinnaker	Non-Spinnaker

### Administrative Data

<b>Name:</b>	David Peabody Southwell
<b>Address:</b>	Privacy Protected
<b>Email:</b>	
<b>Primary Phone:</b>	
<b>Secondary Phone:</b>	
<b>Yacht Club:</b>	New York Yacht Club

### Yacht

<b>Yacht Name:</b> Alchemy	<b>Sail Number:</b> 12104
<b>Designer:</b> J Boats	
<b>Manufacturer:</b> J Boats	<b>Model:</b> J-121
<b>Hull Serial Number:</b> UCF12104G718	<b>Date Manufactured:</b> 2017
<b>Other Ratings:</b> NE-PHRF: 30 with no water ballast.	<b>Date Last Rated:</b>

### Boat Measurements

<b>I:</b> 51.41	<b>J:</b> 15.3	<b>LOA:</b> 40
<b>P:</b> 50	<b>E:</b> 16.64	<b>LWL:</b> 39.67
<b>ISP:</b> 55.75	<b>SPL:</b> 7	<b>Draft:</b> Max 8.04
<b>Py:</b>	<b>Ey:</b>	
<b>Beam:</b> 12.3	<b>Displacement:</b> 12550	
<b>Rig Type:</b> Sloop	<b>Rig:</b> Fractional	
<b>Keel Weight:</b> 4850	<b>Keel Material:</b> Cast iron fin 3% antimony	
<b>Composite Rigging:</b> no	<b>Other Ballast:</b> NO	
<b>Mast Material:</b> Carbon	<b>Spinnaker Type(s):</b> Asymmetrical	
<b>Asymmetrical Spinnaker Tacked To:</b> rsprit		

### Sails

Headsails to be used (LP%)		Mainsail Measurements	
<b>Headsail 1</b>	105	<b>MHB</b>	1.47
<b>Headsail 2</b>	100	<b>MUW</b>	3.93
<b>Headsail 3</b>	86	<b>MTW</b>	6.49
<b>Headsail 4</b>	55	<b>MHW</b>	10.76
		<b>MQW</b>	13.94

### Spinnakers to be used

Spin #	JC	SMG	Foot	Luff	Leech
<b>Spin 1</b>	22.9	32.3	32.9	60.9	49.1
<b>Spin 2</b>	22.9	32.8	33.3	62.36	49.6
<b>Spin 3</b>	22	20.93	27.82	56.95	52.42
<b>Code 0</b>	23	20.4	27.2	57	53.5

**Headsail Credit:** Roller Furling

### Variables

<b>Engine:</b> Inboard	<b>Prop. Type:</b> Folding
<b>Prop. Install:</b> Sail Drive	<b>Rudder:</b> Spade
<b># of Blades:</b> 2	<b>Keel:</b> Fin Keel

### Comments/Modifications

2018 - -7 for water ballast. Roller Furling worked into base rating  
2020- Remove water ballast  
2021- Removal of water ballast -1  
2022- No changes  
2023-Added new asym listed in mod. Revised new adjust for new rudder -1 plus water ballast removal -1= -2.  
2024-No changes.

### Committee Use Only

PHRF #: 18301			
<b>Base Rating</b>	30	<b>Non-Spin Adj.</b>	19
<b>Genoa Spin Adj.</b>	0	<b>Genoa Non-Spin Adj.</b>	0
<b>Mainsail Adj.</b>	0	<b>Furling Adj.</b>	0
<b>Spin. Area Adj.</b>	2	<b>Whisker Pole Adj.</b>	0
<b>Prop. Adjustment</b>	0		
<b>Mast Adj.</b>	0	<b>Misc. Adj.</b>	-2
<b>Committee Signature</b>	<b>Date</b>		
Katherine Rotsky	2024-06-03		