

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

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

Yacht

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

Boat Measurements

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

Sails

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

Spinnakers to be used

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

Headsail Credit: Roller Furling

Variables

Engine: Inboard	Prop. Type: Folding
Prop. Install: Sail Drive	Rudder: Spade
# of Blades: 2	Keel: 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			
Base Rating	30	Non-Spin Adj.	19
Genoa Spin Adj.	0	Genoa Non-Spin Adj.	0
Mainsail Adj.	0	Furling Adj.	0
Spin. Area Adj.	2	Whisker Pole Adj.	0
Prop. Adjustment	0		
Mast Adj.	0	Misc. Adj.	-2
Committee Signature	Date		
Katherine Rotsky	2024-06-03		