

**US PHRF of Southeast Florida, Inc.**  
**2014 Rating Certificate # 14-4432211**  
[www.phrfsef.com](http://www.phrfsef.com)

Date Issued: 1/1/2014  
 Valid until 12/31/2014  
 US PHRF/SEF  
 PO Box 820003 Pembroke Pines, FL 33082-0003

Rating: 217  
 Spinnaker: NONE

Boat Name: Orion  
 Owner: Rick Williams  
 USSA Member #:

Sail #:  
 Club Affiliation: Palm Beach Sailing Club

**Hull Information**

Boat Type: 1978 Downeast 38  
 Keel Type: Full  
 Engine: INBOARD  
 Prop type: Fixed 3 blade  
 Displacement: 19500 lbs.

Length Overall: 42.  
 Waterline Length: 29.  
 Beam: 11.8  
 Draft Keel/CB: 4.9/  
 Ballast: 8000 lbs.

**Rig Information**

Type: Ketch Material: Aluminum  
 Headsail %: 135 LP: 22.9 Spinnaker girth % of J:  
 I: 42. J: 17. P: 35. E: 13.2  
 SPL: ISP: Jc:  
 Total Upwind SA: 803.5 Total Downwind SA: 283.6

**Penalty/Credit Information**

LP mod	RFH	RFJ	CRFJ	M-HL	M-VB	SFlash	OS-SPL	OS-Spin	OS-Main
6	0	0	9	0	0	0	0	12	0
Prop Mod:		Cruising Accom. Credit:			Modifications:				
0		0			0				

Remarks:

Base Rating: 190 Adjustments: 27 Final Rating: 217 Crew Limit: 11  
 Disp-Ballast Ratio: .41 DLR: 356.94  
 Upwind SA/D: 17.74 Downwind SA/D: 6.26 SA/D ratio UP/DW: 2.83

**Endorsed by Russ Horn, US PHRF/SEF Chief Handicapper**

**Inspect this document carefully; you are obligated to immediately report in writing any errors to the US PHRF/SEF Chief Handicapper or your Regional Handicapper. Owner Certification, Waiver, Release and Covenant not to sue:** I agree to race the boat described in this document as specified under regulations and rules of UNITED STATES PERFORMANCE HANDICAP RACING FLEET / SOUTHEAST FLORIDA, INC. (herein and hereafter designated PHRF/SEF) and rules in the latest edition of the *Racing Rules of Sailing* as published by *US Sailing*. Furthermore, I will immediately inform the PHRF/SEF President in writing of any changes to the boat's description and its specifications as they appear in this document. *Moreover, I understand that I may not sail competitively until a new certificate is issued by PHRF/SEF which reflects any change. I also acknowledge that all activities of PHRF/SEF are undertaken by volunteers using their own time and funds for their efforts in consideration and assignment of the handicap and waive, releases, and cancels any and all claims I may have against PHRF/SEF, its officers, directors, trustees, and committee members, measurers, agents, and representatives arising out of the functions and activities of PHRF/SEF and actions of persons fulfilling the offices named above, and I do further covenant and agree not to sue or bring claim of any nature whatsoever against PHRF/SEF and all other persons acting on behalf of PHRF/SEF relating to any performance of PHRF/SEF functions and activities. I further acknowledge that participation in the sport of sailing wind driven boats in competitive events is an inherently dangerous sport in which I have freely chosen to engage.*

(Signature of Owner) (Date)

**NOTE:** Utilization of certificate implies that you agree to the terms and conditions contained on each certificate.