

**US PHRF of Southeast Florida, Inc.**  
**2015 Rating Certificate # 15-6621771**  
[www.phrfsef.com](http://www.phrfsef.com)

Date Issued: 1/1/2015  
 Valid until 12/31/2015  
 US PHRF/SEF  
 PO Box 820003 Pembroke Pines, FL 33082-0003

Rating: **-11**  
 Spinnaker: **Asymmetric**

Boat Name: **Vortices**  
 Owner: **Chris Saxton**  
 USSA Member #:

Sail #: **7145**  
 Club Affiliation: **Bayview Yacht Club**

**Hull Information**

Boat Type: **J145** Length Overall: **48.1**  
 Keel Type: **Fin** Waterline Length: **42.5**  
 Engine: **Saildrive** Beam: **13**  
 Prop type: **Folding** Draft Keel/CB: **8.9**  
 Displacement: **19378 lbs.** Ballast: **8350 lbs.**

**Rig Information**

Type: **Fractional** Material: **Carbon**  
 Headsail %: **145** LP: **26.1** Spinnaker girth % of J: **263.9**  
 I: **63** J: **18** P: **58.3** E: **20.5**  
 SPL: **.0** ISP: **65** Jc: **26.5**  
 Total Upwind SA: **1587.9** Total Downwind SA: **3187.5**

**Penalty/Credit Information**

LP mod	RFH	RFJ	CRFJ	M-HL	M-VB	SFlash	OS-SPL	OS-Spin	OS-Main
4	0	0	0	0	0	0	0	0	0
Prop Mod:		Cruising Accom. Credit:			Modifications:				
0		0			0				

Remarks:

Base Rating: **-15** Adjustments: **4** Final Rating: **-11** Crew Limit: **14**  
 Disp-Ballast Ratio: **.43** DLR: **112.69**  
 Upwind SA/D: **35.22** Downwind SA/D: **70.69** SA/D ratio UP/DW: **.5**

**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.*

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 (Signature of Owner) (Date)

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