

**US PHRF of Southeast Florida, Inc.**  
**2013 Rating Certificate # 10\_112809B**  
[www.phrfsef.com](http://www.phrfsef.com)

**Date Issued:** 1/1/2013  
**Valid until:** 12/31/2013  
**US PHRF/SEF**  
**PO Box 820003 Pembroke Pines, FL 33082-0003**

**Rating:** 90  
**Spinnaker:** Symmetric

**Boat Name:** Mirage  
**Owner:** Christian Schaumloffel  
**USSA Member #:** 254491S

**Sail #:** 3113  
**Club Affiliation:** StormTC HamptonYC, VA

**Hull Information**

**Boat Type:** Hobie 33  
**Keel Type:** Fin  
**Engine:** Outboard  
**Prop type:** Outboard  
**Displacement:** 4000 lbs.

**Length Overall:** 33.  
**Waterline Length:** 30.5  
**Beam:** 8.  
**Draft Keel/CB:** 5.5/  
**Ballast:** 1800 lbs.

**Rig Information**

**Type:** Fractional **Material:** Aluminum  
**Headsail %:** 155 **LP:** 19.2 **Spinnaker girth % of J:** 180.  
**I:** 33.8 **J:** 12.4 **P:** 35. **E:** 12.4  
**SPL:** 12.4 **ISP:** 33.8 **Jc:** .0  
**Total Upwind SA:** 612.4 **Total Downwind SA:** 899.8

**Penalty/Credit Information**

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

**Remarks:**

**Base Rating:** 90 **Adjustments:** 0 **Final Rating:** 90 **Crew Limit:** 8  
**Disp-Ballast Ratio:** .45 **DLR:** 62.94  
**Upwind SA/D:** 38.89 **Downwind SA/D:** 57.13 **SA/D ratio UP/DW:** .68

**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.