

**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 #:  
 Club Affiliation:

**Hull Information**

Boat Type: **Hobie 33**  
 Keel Type: **Fin**  
 Engine: **Outboard**  
 Prop type: **Outboard**  
 Displacement: **4,000 lbs.**

Length Overall: **33.**  
 Waterline Length: **30.5**  
 Beam: **8.**  
 Draft Keel/CB: **5.5/**  
 Ballast: **1,800 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
Prop Mod:		Cruising Accom. Credit:			Modifications:				
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.*

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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.**