

**US PHRF of Southeast Florida, Inc.**  
**2017 Rating Certificate # 17-0215772**  
[www.phrfsef.com](http://www.phrfsef.com)

Date Issued: 1/1/2017  
 Valid until 12/31/2017  
 US PHRF/SEF  
 PO Box 820003 Pembroke Pines, FL 33082-0003

Rating: 76  
 Spinnaker: Symmetric

Boat Name: **Midnight Sun**  
 Owner: Leonard Rittenberg  
 USSA Member #:

Sail #: 1998  
 Club Affiliation: Coral Reef YC

**Hull Information**

Boat Type: Swan 46 SD  
 Keel Type: Fin  
 Engine: Inboard  
 Prop type: Folding  
 Displacement: 31300 lbs.

Length Overall: 47.1  
 Waterline Length: 37.8  
 Beam: 14.4  
 Draft Keel/CB: 6.2/  
 Ballast: 11400 lbs.

**Rig Information**

Type: Masthead  
 Headsail %: 150  
 I: 58.1 J: 18.7 P: 51.5 E: 16.9  
 SPL: 18.7 ISP: 58.1 Jc: .0  
 Total Upwind SA: 1389.8  
 Material: Aluminum  
 LP: 28.1 Spinnaker girth % of J: 180.  
 Total Downwind SA: 2153.4

**Penalty/Credit Information**

LP mod	RFH	RFJ	CRFJ	M-HL	M-VB	SFlash	OS-SPL	OS-Spin	OS-Main
1	0	0	9	0	0	0	0	0	0
Prop Mod:		Cruising Accom. Credit:			Modifications:				
0		0			0				

Remarks:

Base Rating: 66 Adjustments: 10 Final Rating: 76 Crew Limit: 12  
 Disp-Ballast Ratio: .36 DLR: 258.1  
 Upwind SA/D: 22.39 Downwind SA/D: 34.69 SA/D ratio UP/DW: .65

**Endorsed by, 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.