

**US PHRF of Southeast Florida, Inc.
2016 Rating Certificate # 15-111104**

www.phrfsef.com

Date Issued: 1/1/2016
Valid until: 12/31/2016
US PHRF/SEF
PO Box 820003 Pembroke Pines, FL 33082-0003

Rating: 84
Spinnaker: Asymmetric

Boat Name: Katherine
Owner: Michael Kettenbach
USSA Member #:

Sail #: 60
Club Affiliation: Sailfish Club

Hull Information

Boat Type: Swan 60
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: 8.2/
Ballast: 11400 lbs.

Rig Information

Type: Masthead **Material:** Aluminum
Headsail %: 135 **LP:** 25.2 **Spinnaker girth % of J:** 180.
I: 58.1 **J:** 18.7 **P:** 51.5 **E:** 16.9
SPL: .0 **ISP:** 58.1 **Jc:** 18.7
Total Upwind SA: 1304.2 **Total Downwind SA:** 2073.9

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 | 0 | 0 |
| Prop Mod: | | Cruising Accom. Credit: | | | Modifications: | | | | |
| 0 | | 0 | | | 0 | | | | |

Remarks:

Base Rating: 69 **Adjustments:** 15 **Final Rating:** 84 **Crew Limit:** 14
Disp-Ballast Ratio: .36 **DLR:** 258.1
Upwind SA/D: 21.01 **Downwind SA/D:** 33.41 **SA/D ratio UP/DW:** .63

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.