

HIGH PERFORMANCE RULE V.4h1 2014



Boat Name: **BLOFISH**
 Class: **1D 35**
 Certificate: **Annapolis Fall Regatta**
 Sail Number: **USA 35037**
 Issue Date: **10/30/14 17:41**

Owner: **Dailey Tipton**

Owner Signature: _____

Certificate Fee: **\$279.04** (\$26.25/m LOA)
 Change Fee: **\$0.00**

Hull	
LOA	10.630
FO	0.18
Y	0
INTRODUCT	
Age Date	1997
BM	3.290
FF	1.203
FBI	1.083
FA	0.963
DRA	2.310
CW	576
Dempty	2970
Pre HPR	0.030

Spars	
J	3.82
P	13.55
E	5.67
IG	12.945
ISP	13.65
BAL	0
BD	0
BAS	1.515
FSP	0.05
CPD	0.1
CPW	1
SWA	1
MW	1
CG	4.3
B	0.000
BC	2.398
Runners	0
Spreaders	2
TPS	6.050
TPSmax	6.704
TPS Excess	0.000

Mainsail	
HB	0.1
MGT	1.4
MGU	2.25
MGM	3.62
MGL	4.69
Meas Main	45.93
Rated Main	47.44
Jib	
Jib luff	2.8
LPG	4.0
LP	4.0
JH	0.6
JGT	0.10
JGU	1.190
JM	2.140
JGL	3.110
Jb Area	28.106
JSA + MSA	75.52

Measured / Calculated	Meas Val	Base Val	Reference Only	
			Meas - Base	PD- Percent Difference
Beam	3.290	3.466	-0.176	-0.051
Meas Freeboard - R	0.087	1.081	0.002	0.002
Meas Draft	2.310	2.508	-0.198	-0.079
Meas/Calc VCG	-0.161	-0.621	0.460	-0.741
Meas Cr Wt - CW	576	576	0.0	0.000
Displ Dempty	2970	2711	259	0.095
USA	75.515	81.0	-5.50	-0.068
SPINb	117.480	145.3	-27.86	-0.192
Rig Height	15.065	16.22	-1.156	-0.071

KWT	
KVCG	0.000
HCGic	0.634
HWTic	28.0
VCG-comp	0.0
VCG-incl	-0.1

MWT	
MWT	0.000
MWT	2.398

0.39 29.45 = JSA min
 0.44 33.23 = JSA max

RUD2	N
PSP	Y
AC	0
HDHM	0
SPHM	0
EOSC	Y

Ayso	
SLU	15.76
SLE	13.61
AMG	9.6
ASF	9.6
AYSO	117.48

15.10958 **MGMH** 7.103 < ORC-RS 109.1
MGLH 3.565 "
MGUH 10.574 "
MGTH 12.270 "

Final Calculation		
Length	L	10.4500
Age Plus Pre HPR	AGEc	0.9480
Beam	BMc	0.9976
Freeboard	FRc	0.9999
Draft	DRAc	0.9965
VCG	VCGc	0.9636
Crew Factor	CFc	1.0000
Displacement	Demptyc	0.9885
Upwind Sail Area	USAc	0.9905
Spinnaker Area	SPAc	0.9884
Rig Height	RHC	0.9912
Robust Mast	RMASTc	1.0000
Appendage	APc	1.0000
Engine-Propeller	EPc	0.9829
Construction Cost	CCc	0.9900
Preliminary Rated Length == >		8.8562
Rated Length Lower Limit == >		9.1960
Final Rated Length ===== >		9.1960

TCF **0.8871**
 Seconds per mile **622.3**

RULE WARNINGS / FAILURES

IG	
LP	
TPS	
MIN RATED LENGTH	MINIMUM RATED LENGTH APPLIED
VCG SOURCE	OFFSETS FILE / INCLINATION
	NO BOOM WGT: SMALL RATED LENGTH PENALTY

Final Rating is in Units of Length
 TCF is calculated from the Final Rating by the formula:
 $TCF = (L/12.2)^{4.424}$
 A boat with Rated Length 12.2m will have a TCF of 1.000
 Seconds per mile = 552 / TCF

1+.002*age
 .002*age

Website: www.hprsailing.org
www.offshoreracingrule.org
 Contacts: Bill Lee (Rule, Primary Contact) wizard@fastisfun.com
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 Dobbs Davis (Communications) dobbs@hprsailing.org



Bill's color code	
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Intermediate Calculations	2-1
Base or Max	1-10
Correctors	1-3
Final Rating	1-9

Corrector Guide
 1.000 - Measured Value Equals Base Value
 > 1.0000 - Measured Value is slower than Base Value
 <1.0000 - Measured Value is faster than Base Value

L value = Yellow indicates AGE applies