

BOAT Name BOUNTY Sail Nr USA 61266	GPH 503.6	HULL Length Overall 20.120m Maximum Beam 5.388m Displacement 31,579kg Draft 2.729m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.255% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class SWAN 66 Designer FRERS Builder SWAN Series 10/2007 Age 01/2009 Age Allowance 0.390% Offset File SWAN66-shoal.off - 29/01/2016 Measurement by - 01/11/2017		IMSL 17.973m VCGD -0.096m Sink 58.89kg/mm RL 13.373m VCGM -0.126m WS 78.16m² LSM0 17.616m Displacement/Length ratio 5.7767



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	488.1			553.5		
Time on Time	1.2293			1.2194		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	597.6	440.2	385.6	782.2	556.7	472.0
Time on Time	1.1295	1.5335	1.7503	0.8630	1.2126	1.4301

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	893.6	719.0	626.3	577.4	553.2	539.6	519.7
52°	574.3	471.8	415.0	387.8	377.0	371.4	366.2
60°	536.7	446.3	396.1	374.3	364.6	359.9	355.3
75°	508.8	427.0	383.4	364.4	354.0	346.8	339.2
90°	515.0	430.8	384.5	363.4	351.2	341.6	325.7
110°	529.9	429.0	376.3	354.5	342.3	334.2	319.2
120°	544.9	439.1	382.1	357.2	341.4	326.8	306.9
135°	613.4	485.8	413.5	373.4	353.3	338.0	306.6
150°	735.9	577.0	482.7	420.9	382.9	363.1	339.0
Run VMG	849.7	666.3	557.4	486.1	442.1	418.5	376.0

Certificate
Number **US6013**
ORC Ref **USAX028D8K6**
Issued On **28/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **1,544kg**
Maximum **1,143kg**
Minimum* **857kg**
**when applied by the NoR and SI*
Non Manual Pwr **Yes**

Special Scoring
ToD ToT
Non Spin GPH **541.4 1.1082**
Non Spin OSN **526.3 1.1401**

Selected Courses							
Windward / Leeward	871.7	692.7	591.8	531.7	497.6	479.1	447.8
Circular Random	711.3	566.4	487.3	440.8	412.4	394.1	370.8
Coastal / Long Distance	869.5	648.8	527.4	455.3	418.4	392.8	354.2
Non Spinnaker	778.7	614.8	523.4	468.0	432.7	409.0	379.1

Sails Limitations
Headsails **7** Spinnakers **5**

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	44.4°	42.7°	41.8°	41.7°	40.8°	40.3°	39.0°
Beat VMG	4.03	5.01	5.75	6.23	6.51	6.67	6.93
52°	6.27	7.63	8.67	9.28	9.55	9.69	9.83
60°	6.71	8.07	9.09	9.62	9.87	10.00	10.13
75°	7.08	8.43	9.39	9.88	10.17	10.38	10.61
90°	6.99	8.36	9.36	9.91	10.25	10.54	11.05
110°	6.79	8.39	9.57	10.15	10.52	10.77	11.28
120°	6.61	8.20	9.42	10.08	10.54	11.01	11.73
135°	5.87	7.41	8.71	9.64	10.19	10.65	11.74
150°	4.89	6.24	7.46	8.55	9.40	9.92	10.62
Run VMG	4.24	5.40	6.46	7.41	8.14	8.60	9.57
Gybe Angles	141.7°	144.2°	145.7°	148.2°	149.8°	150.8°	176.2°

Class Division Length
CDL = **15.674**

Storm Sails Areas
Heavy Weather Jib **96.79**
Storm Jib (JL=17.41) **35.85**
Storm Trysail **34.92**

Owner

BOAT	
Name BOUNTY	Sail Nr USA 61266
File US6013	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
Inner Stay Adjustable	Runners 1
Carbon Mast Yes	Jumper Struts None
Taper Hollows No	Jib Furler No
Fiber Rigging No	Main Furler No
Lenticular Rigging No	Without Backstay No
Articulated Bowsprit No	
P 25.380	E 7.860 MDT1 0.213 MW 0.303
IG 26.679	J 7.450 MDL1 0.353 GO 0.330
ISP 27.219	SFJ 0.610 MDT2 0.204 BD 0.180
BAS 2.270	SPL 0.000 MDL2 0.304 MWT 662.00
FSP 0.108	TPS 7.825 TL 4.432 MCG 10.850

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 01/11/2017	SG 1.0170	
FFM 1.958	FF 1.964	SFFP 0.231
FAM 1.568	FA 1.571	SAFP 18.823
W1 353.0	PD1 398.4	WD 16.500
W2 353.0	PD2 398.4	GSA 1.0
W3 353.0	PD3 398.4	RSA 1.0
W4 353.0	PD4 398.4	PLM 9000.0
LCF from stem on CL / on sheer	11.001 / 11.321	
Maximum beam station from stem	12.323	
RM Measured	1151.3kg-m	
RM Default	1104.2kg-m	
Limit of positive stability / Stab.Index	123.5° / 138.5	
Freeboard at mast at 8.060	1.681	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Shaft exposed	PRD 0.616	
Type Folding 3 blades	PBW 0.145	
Twin Screw No	PIPA 0.0370	
PSA 18.600	PHL 0.165 ST3 0.305 ESL 1.499	
PSD 0.381	ST1 0.020 ST4 0.072	
PHD 0.080	ST2 0.203 ST5 0.355	

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COMMENTS	

MOVABLE BALLAST	
N/A	

BILGEBOARD		
BS	BT	BA
BF	BX	
BC	BY	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.67	2.88	4.93	6.40	116.11	117.77	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	30.17	25.93	28.05	14.45	14.52	338.10	AS · (SFL + 4·SHW) / 6		

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.15	1.28	2.25	4.13	6.05	7.92	27.35	112.40					2019 HEADSAIL

MEASUREMENT INVENTORY				
Measurer	Date	Comment		
Id	Item	Weight	Distance	VCG Description
a	Ancher	0-0	0-00	
Id	Item	Weight	Description	

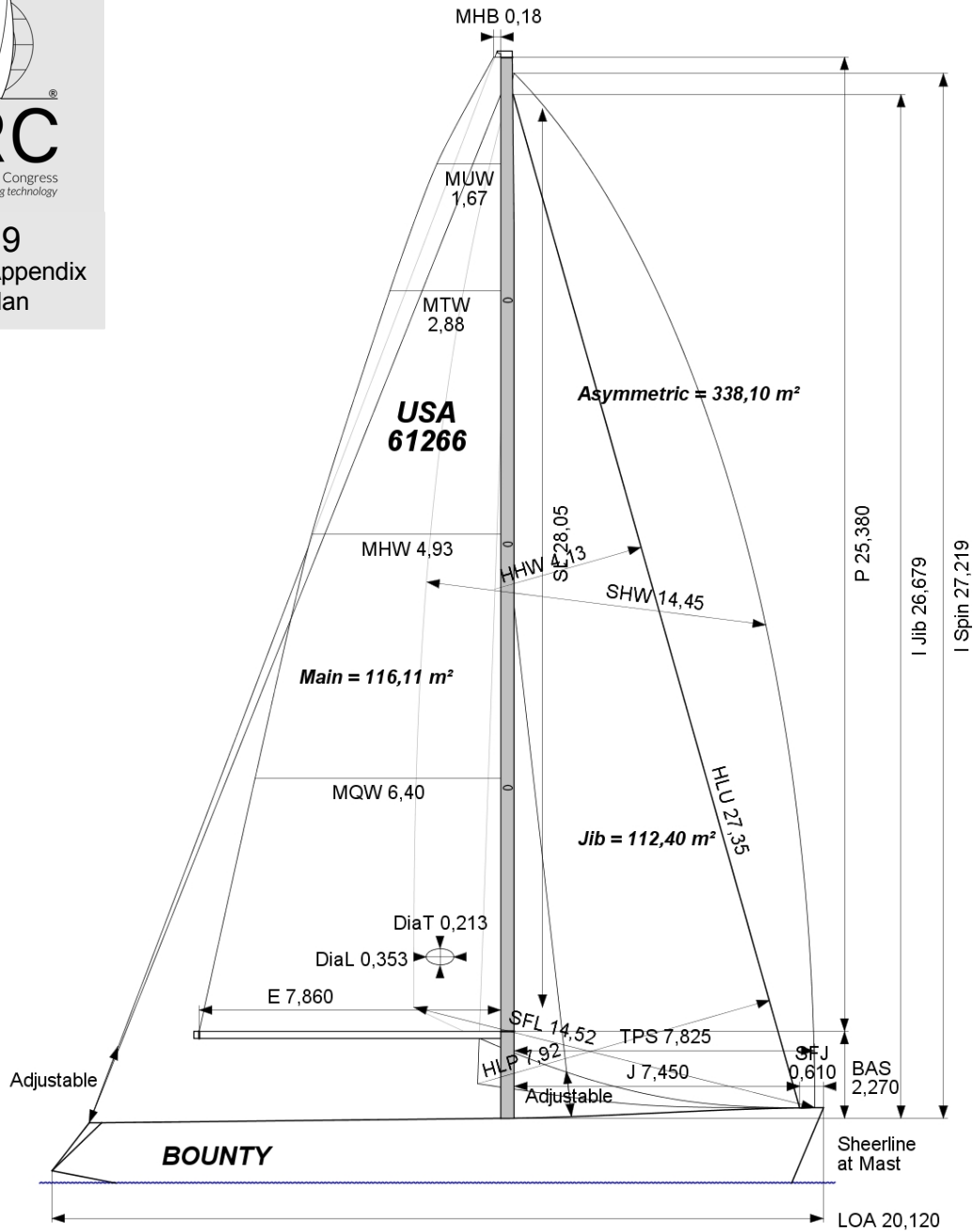
MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
		Tank				0.00	0.00	0-0	
Id	Item	Weight	Distance	VCG Description					



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Sail Plan**



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1563675	0.18	1.67	2.88	4.93	6.40	116.12										
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2458773	0.15	1.28	2.25	4.13	6.05	7.92	27.35	106%	112.40					CHRIS		2019 HEADSAIL
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1563704	30.17	25.93	28.05	14.45	14.52	338.10	asym									