

BOAT Name SPOOKIE Sail Nr USA95	GPH 428.8	HULL Length Overall 15.852m Maximum Beam 4.424m Displacement 6,980kg Draft 3.750m IMS Reg. Division Performance Dynamic Allowance 0.001% Fwd Accommodation No Hull Construction Carbon, Aramid Carbon Rudder Yes Crew Arm Extension
GENERAL Class TRANSPAC 52 Designer BOTIN Builder Series 11/2011 Age 11/2011 Age Allowance 0.228% Offset File US42632A.OFF - 13/12/2017 14:58:44 Measurement by - 04/06/2016		IMSL 15.171m VCGD -1.910m Sink 31.41kg/mm RL 17.187m VCGM -1.900m WS 39.85m² LSM0 14.672m Displacement/Length ratio 2.2100



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	416.7			474.0		
Time on Time	1.4399			1.4239		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	494.7	382.1	321.3	641.5	482.5	403.3
Time on Time	1.3646	1.7666	2.1010	1.0522	1.3991	1.6736

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	707.9	577.3	530.9	509.3	495.6	482.1	474.7
52°	458.4	393.6	373.3	359.5	349.7	339.4	325.2
60°	429.9	380.3	355.2	339.7	329.7	321.8	304.1
75°	412.2	368.2	333.2	312.9	300.5	291.8	271.4
90°	416.8	371.9	332.0	299.3	278.4	265.6	249.0
110°	446.5	377.4	341.3	313.3	289.3	260.4	220.0
120°	462.4	383.9	337.7	308.1	287.2	261.0	224.1
135°	519.5	409.2	364.0	321.3	282.3	252.2	217.4
150°	624.5	484.9	414.0	369.4	334.5	294.5	230.6
Run VMG	721.1	559.9	478.0	430.8	386.2	340.1	266.2

Selected Courses							
Windward / Leeward	714.5	568.6	504.5	470.0	440.9	411.1	370.5
Circular Random	595.5	480.0	416.8	377.7	350.4	329.4	297.6
Coastal / Long Distance	715.1	535.9	452.9	399.9	365.1	331.0	279.0
Non Spinnaker	653.2	522.8	450.5	405.7	375.1	352.3	319.1

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	43.7°	40.9°	38.1°	36.5°	35.5°	34.5°	34.6°
Beat VMG	5.09	6.24	6.78	7.07	7.26	7.47	7.58
52°	7.85	9.15	9.64	10.01	10.29	10.61	11.07
60°	8.37	9.47	10.13	10.60	10.92	11.19	11.84
75°	8.73	9.78	10.81	11.50	11.98	12.34	13.27
90°	8.64	9.68	10.84	12.03	12.93	13.55	14.46
110°	8.06	9.54	10.55	11.49	12.44	13.82	16.36
120°	7.79	9.38	10.66	11.68	12.53	13.79	16.06
135°	6.93	8.80	9.89	11.20	12.75	14.27	16.56
150°	5.77	7.42	8.70	9.74	10.76	12.22	15.61
Run VMG	4.99	6.43	7.53	8.36	9.32	10.59	13.52
Gybe Angles	140.6°	141.4°	147.5°	151.4°	143.2°	142.2°	143.2°

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Number **US6022**
ORC Ref **USAX015C8VW**
Issued On **29/03/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default **1,189kg**
Maximum **1,189kg**
Minimum* **892kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 464.2	1.2925
Non Spin OSN 454.8	1.3192

Sails Limitations

Headsails	Spinnakers
7	5

Class Division Length

CDL = **16.180**

Storm Sails Areas

Heavy Weather Jib **55.02**
Storm Jib (JL=13.13) **20.38**
Storm Trysail **27.00**

Owner

BOAT	
Name SPOOKIE	Sail Nr USA95
File US6022	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 15/09/2017	SG 1.0230	
FFM 1.490	FF 1.491	SFFP 0.600
FAM 1.146	FA 1.147	SAFP 15.852
W1 134.1	PD1 452.0	WD 19.980
W2 134.1	PD2 452.0	GSA 1.0
W3 134.1	PD3 452.0	RSA 1.0
W4 134.1	PD4 452.0	PLM 9000.0
LCF from stem on CL / on sheer		8.605 / 8.869
Maximum beam station from stem		11.454
RM Measured		466.8kg-m
RM Default		346.3kg-m
Limit of positive stability / Stab.Index		150.8° / 149.4
Freeboard at mast at 6.200		1.286



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RIG			
Forestay Tension Aft	Spreaders 3		
Inner Stay None Fitted	Runners 1		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows No	Jib Furler		
Fiber Rigging Yes	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 20.985	E 7.350	MDT1 0.160	MW 0.294
IG 20.135	J 6.200	MDL1 0.294	GO 0.310
ISP 22.940	SFJ	MDT2 0.096	BD 0.400
BAS 2.100	SPL 0.000	MDL2 0.137	MWT 240.00
FSP	TPS 8.990	TL 2.980	MCG 7.580

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.460	
Type Folding 2 blades	PBW	
Twin Screw	PIPA 0.0042	
ST1 0.056	ST3 0.204	ST5 0.305
ST2 0.204	ST4 0.114	EDL 1.309

COMMENTS	

MOVABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.800	2.56	3.52	4.97	6.15	100.54	103.15	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		
	25.67	21.95	23.81	13.62	13.92	271.43	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	0.96	1.75	3.20	4.72	6.25	20.40	65.48					J15-8 2018 Quantum Sails

MEASUREMENT INVENTORY				
Measurer	Date	Comment		
Id	Item	Weight	Distance	VCG Description
a	Anchor	0.0	0.00	
Id	Item	Weight Description		

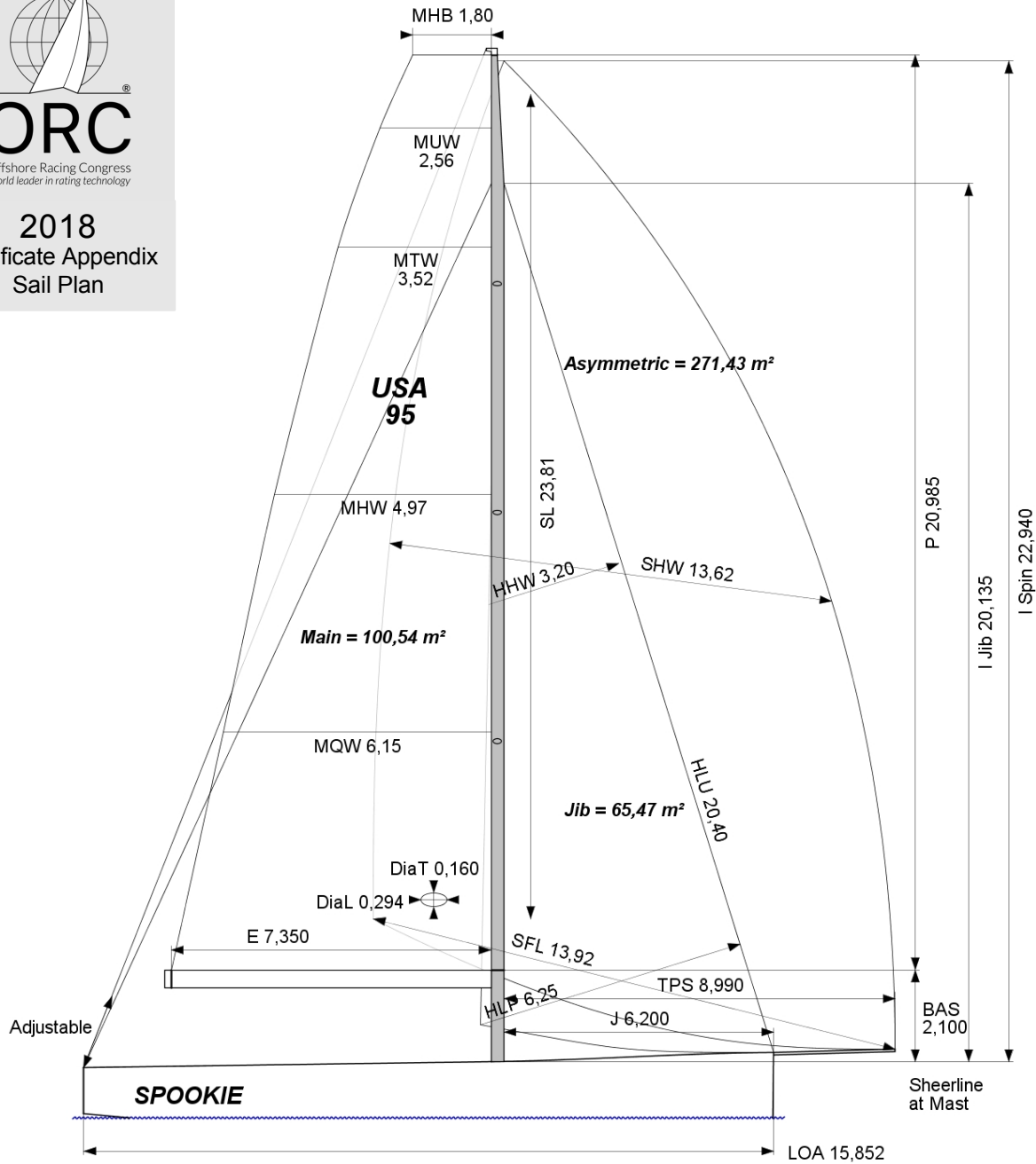
MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condt	Description
	Tank					9.30	-0.14	7.6	
Id	Item	Weight	Distance	VCG Description					



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1562569	1.80	2.56	3.52	4.97	6.15	100.55					2017 IRC

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1664761	0.15	0.96	1.75	3.20	4.72	6.25	20.40	101%	65.48						QUANTUM	J15-8 2018 Quantum

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1664773	25.67	21.95	23.81	13.62	13.92	271.44	asym				NORTH	5/17 NORTH SAILS A2