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2020
Club
Double Handed

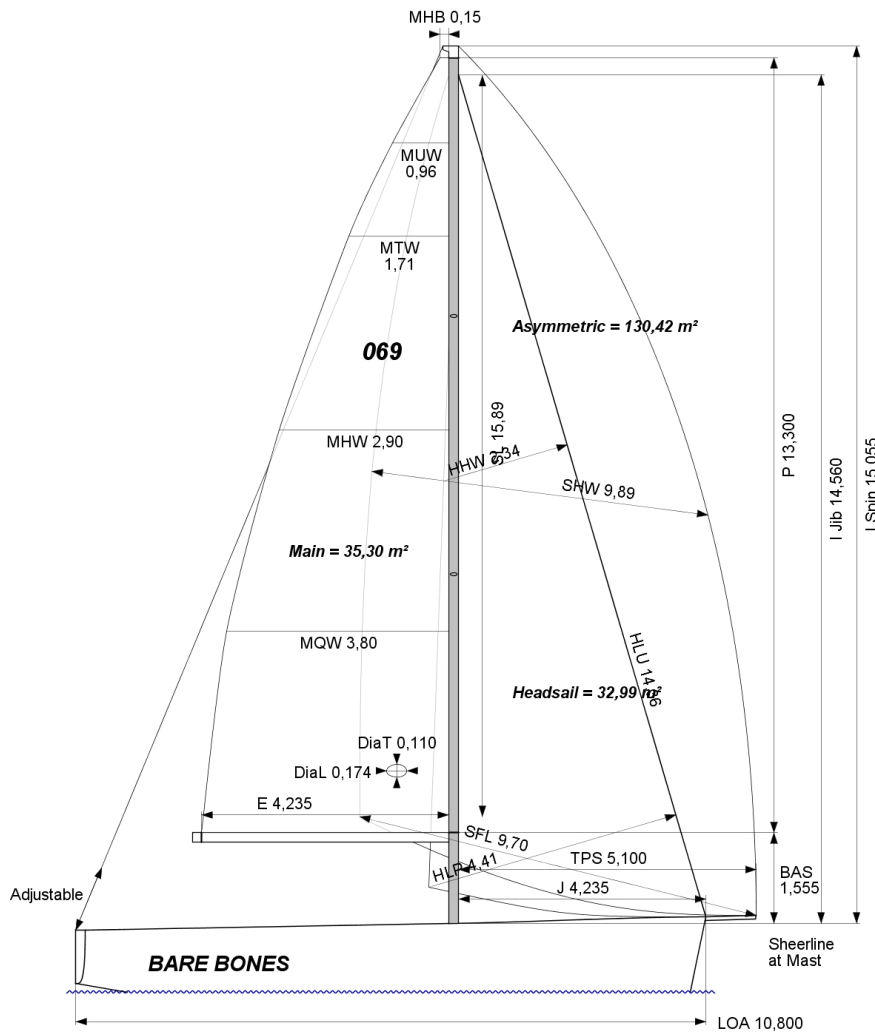
Rating Office

**Offshore
Racing
Congress**

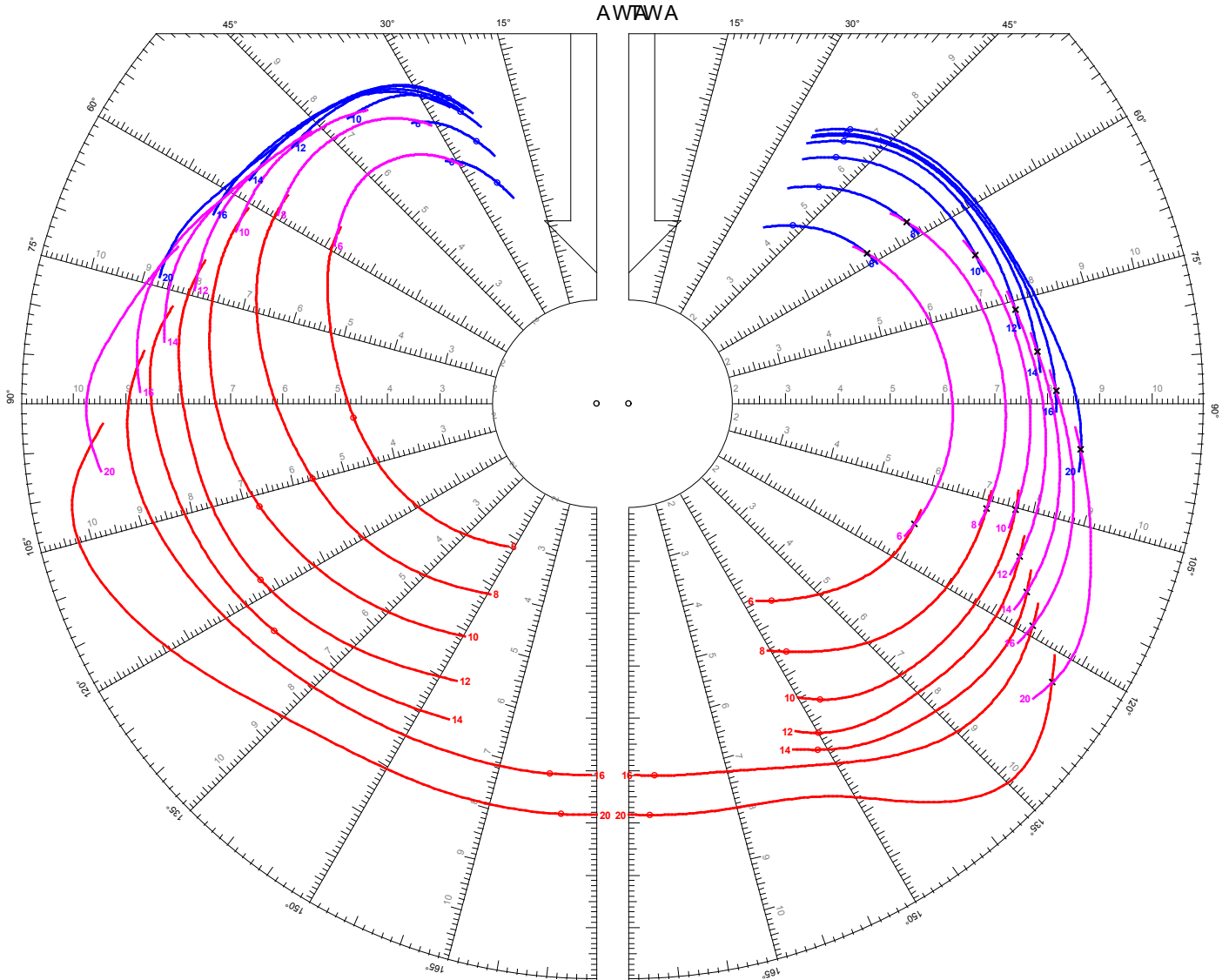


Certificate

Number **US6721**
Issued On **18/09/2020**
ORC Ref **03410000QN2**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT Name BARE BONES Sail Nr 069		GPH 613.9	HULL Data File US6721 DH LOA 10.800m Offset File SF3600Rh2.off MB 3.550m Displacement 5,577kg Draft 2.225m		Crew Weight Default 170kg Maximum 170kg Non Manual Pwr No	
CLASS Class SUN FAST 3600 Designer ANDRIEU Builder JEANNEAU Series 01/2013 Age Date 04/2019 Age Allowance 0.228%			IMS Division Cruiser/Racer Dynamic All. 0.211% Fiber Rigging No Construction Cored Crew Arm Ex Aramid Core No Carbon Rudder No Light Stanchions No		Sails Limitations Headsails 5 Spinnakers 4 Asymmetric on centerline Spinnaker configuration Symmetric: No Asymmetric: Yes 130.42 Flying H/S: No Spin. Pole: No	
COMMENTS			LSM0 10.037m Displacement/Length ratio 5.5156 Water Ballast 0 Trim Tab No BLR Index 0.0000		Stability (Measured) Limit Positive Stab.: 117.2° Stability Index: 118.0	
PROPELLER Installation Strut PRD 0.420 Type Folding 2 blades PBW 0.110 PIPA 0.0034		CENTERBOARD N/A		Owner		
SCORING OPTIONS						
	Time on Distance	Time on Time				
Coastal or Long Distance	598.7	1.0022				
Circular Random	613.9	0.9774				
Predominantly Upwind	597.7	1.0039				
Predominantly Downwind	550.6	1.0897				



Polar Plot for Boat	
Name	BARE BONES
Sail Number	069
Class	SUN FAST 3600
Designer	ANDRIEU
Builder	JEANNEAU
Issued On	18/09/2020 - VPP 2020 1.02

2020

Double Handed Certificate Appendix

BOAT			
Name	BARE BONES	Certificate Number	US6721
Sail Nr	069	Issued On	18/09/2020

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1068.2	876.0	770.9	723.0	707.3	702.1	689.6	
52°	701.2	587.8	525.1	500.0	492.6	489.6	483.2	
60°	658.8	555.7	508.1	485.9	477.9	474.6	470.2	
75°	603.7	515.3	486.5	474.7	461.4	453.9	449.1	
90°	582.9	501.0	470.6	455.6	445.7	437.9	420.6	
110°	601.4	506.6	469.1	449.0	426.1	406.9	384.1	
120°	620.7	514.7	472.4	445.4	422.4	407.6	369.7	
135°	702.5	559.7	492.2	462.1	434.9	407.4	352.5	
150°	830.8	660.6	553.6	497.6	474.4	455.2	408.2	
Run VMG	959.4	762.8	639.3	574.5	546.4	508.5	459.7	
Selected Courses								
Windward / Leeward	1013.8	819.4	705.1	648.8	626.8	605.3	574.6	
Circular Random	843.5	681.2	595.3	546.6	517.4	498.2	471.4	
Coastal / Long Distance	1008.4	767.1	634.3	563.0	529.6	501.7	449.8	
Non Spinnaker	936.5	746.3	642.5	581.5	543.9	519.3	488.1	

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	42.8°	41.3°	40.1°	39.4°	39.0°	39.0°	39.0°	
Beat VMG	3.37	4.11	4.67	4.98	5.09	5.13	5.22	
52°	5.13	6.12	6.86	7.20	7.31	7.35	7.45	
60°	5.46	6.48	7.09	7.41	7.53	7.58	7.66	
75°	5.96	6.99	7.40	7.58	7.80	7.93	8.02	
90°	6.18	7.19	7.65	7.90	8.08	8.22	8.56	
110°	5.99	7.11	7.67	8.02	8.45	8.85	9.37	
120°	5.80	6.99	7.62	8.08	8.52	8.83	9.74	
135°	5.12	6.43	7.31	7.79	8.28	8.84	10.21	
150°	4.33	5.45	6.50	7.24	7.59	7.91	8.82	
Run VMG	3.75	4.72	5.63	6.27	6.59	7.08	7.83	
Gybe Angles	144.0°	147.5°	147.0°	150.0°	151.3°	176.0°	177.0°	