



ORC
Offshore Racing Congress
World leader in rating technology

2020
Club
Double Handed

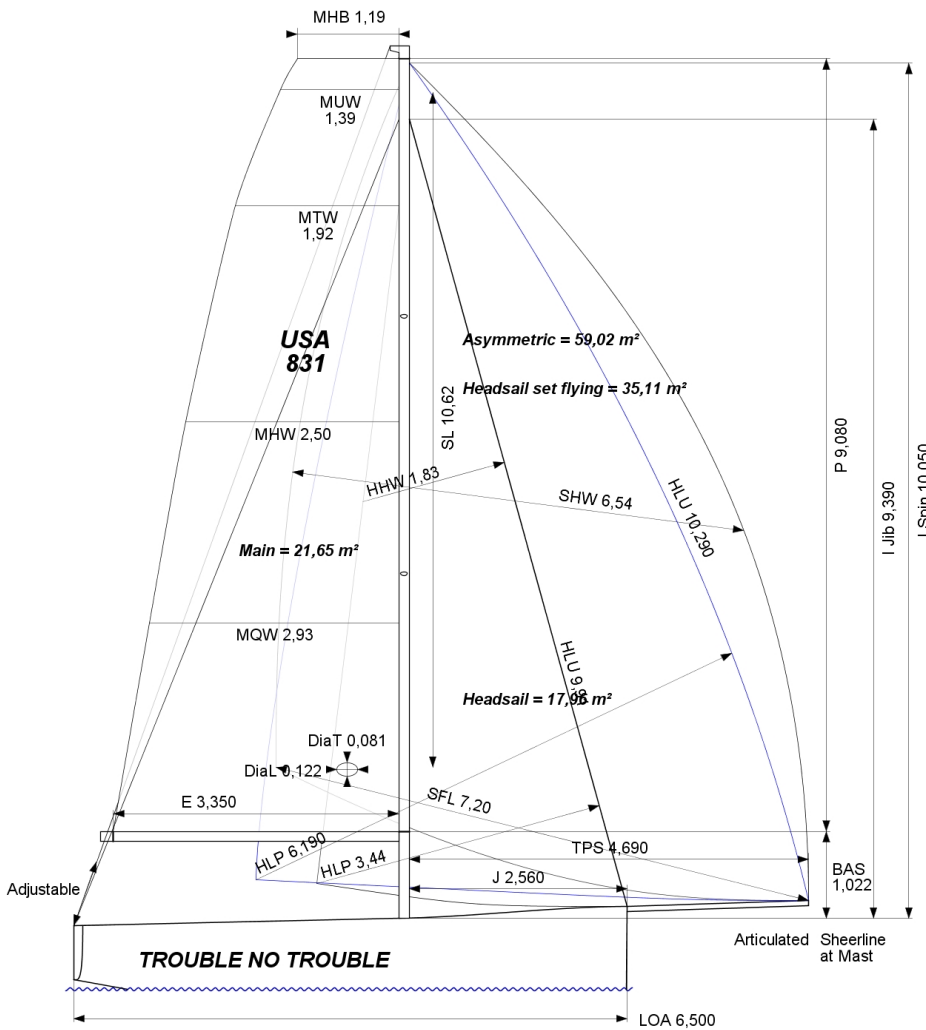
Rating Office

Offshore
Racing
Congress

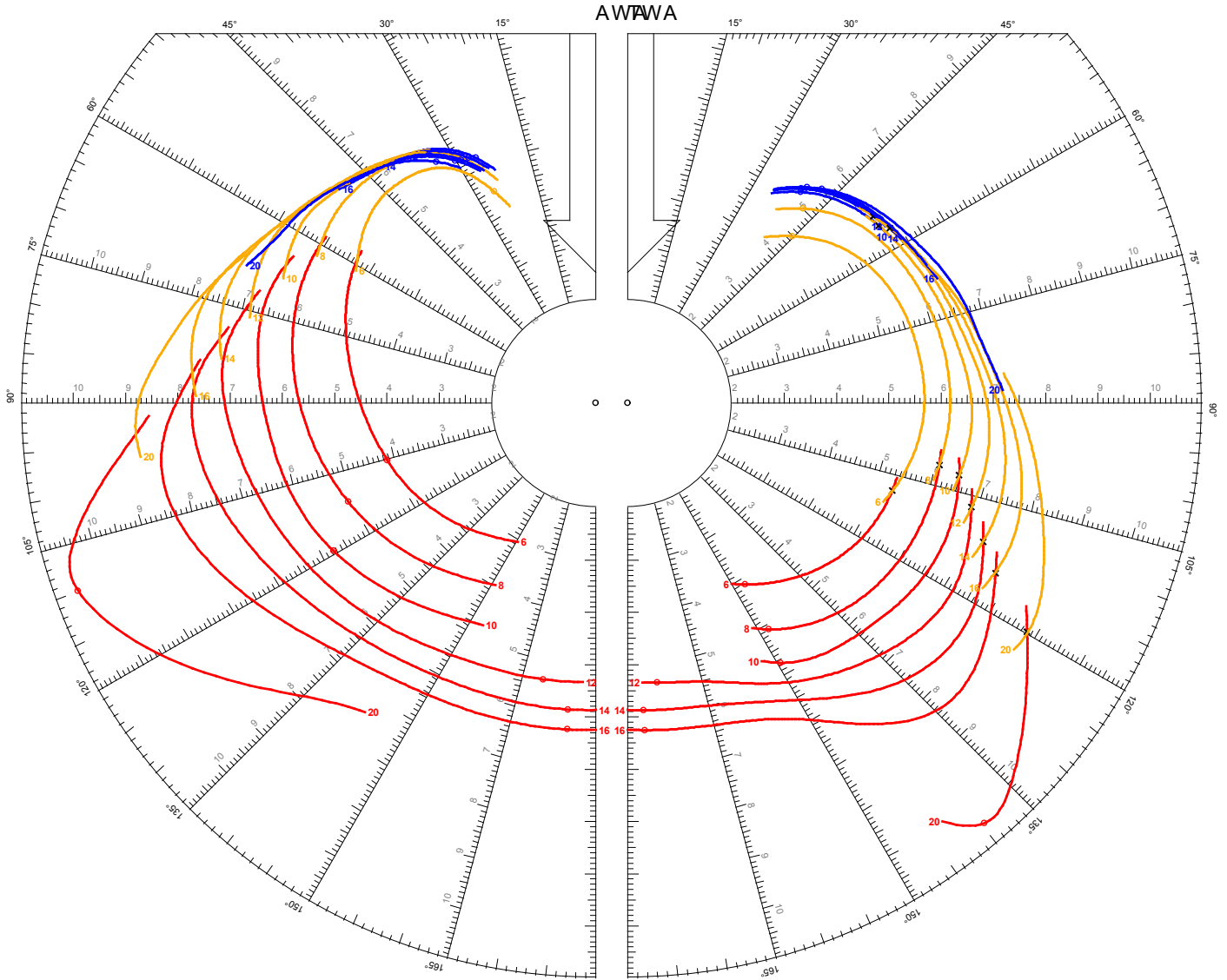


Certificate

Number **US6471**
Issued On **01/10/2020**
ORC Ref **03410000RCO**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT Name TRouble NO TRouble Sail Nr USA 831		GPH 702.5	HULL Data File US6471 DH LOA 6.500m Offset File cfolly.OFF MB 2.992m Displacement 1,181kg Draft 1.605m		Crew Weight Default 170kg Maximum 170kg Non Manual Pwr No
CLASS Class POGO 2 Designer FINOT Builder POGO STRUCTURES Series 01/2012 Age Date 01/2012 Age Allowance 0.260%			IMS Division Sportboat Dynamic All. 0.000% Fiber Rigging No Construction Solid 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 59.02 Flying H/S: Yes 35.10 Spin. Pole: No
COMMENTS			IMSL 6.606m VCGD 0.088m Sink 9.68kg/mm RL 5.770m VCGM 0.083m WS 12.24m² LSM0 6.840m Displacement/Length ratio 3.6905 Water Ballast 0 Trim Tab No BLR Index 0.0000		Stability (Measured) Limit Positive Stab.: 102.3° Stability Index: 94.4
PROPELLER Type No Propeller			CENTERBOARD N/A		Owner
SCORING OPTIONS					
	Time on Distance	Time on Time			
Coastal or Long Distance	692.2	0.8667			
Circular Random	702.5	0.8541			
Predominantly Upwind	698.6	0.8588			
Predominantly Downwind	629.1	0.9537			



Polar Plot for Boat	
Name	TROUBLE NO TROUBLE
Sail Number	USA 831
Class	POGO 2
Designer	FINOT
Builder	POGO STRUCTURES
Issued On	01/10/2020 - VPP 2020 1.02

2020

Double Handed Certificate Appendix

BOAT			
Name	TROUBLE NO TROUBLE	Certificate Number	US6471
Sail Nr	USA 831	Issued On	01/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1128.8	950.7	893.2	879.1	879.8	874.7	880.2
52°	727.5	647.3	620.9	612.9	609.7	605.6	598.9
60°	680.6	619.7	600.0	589.6	584.8	585.1	573.2
75°	643.3	592.9	570.9	557.1	545.9	537.9	533.9
90°	635.4	584.5	548.1	524.7	509.8	498.2	483.6
110°	678.4	592.9	546.6	516.9	491.6	461.6	425.6
120°	698.7	601.0	549.2	502.7	470.5	449.4	393.3
135°	772.3	636.1	577.7	529.6	482.1	433.3	336.6
150°	901.2	722.8	629.7	585.5	550.7	506.2	389.2
Run VMG	1040.6	834.6	727.1	675.0	614.5	577.2	449.4
Selected Courses							
Windward / Leeward	1084.7	892.7	810.1	777.1	747.2	726.0	664.8
Circular Random	932.9	768.5	684.1	636.4	605.6	581.8	540.2
Coastal / Long Distance	1080.3	840.5	731.6	669.1	627.8	590.2	510.2
Non Spinnaker	1014.9	823.9	723.7	666.8	632.0	608.2	574.5

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	44.6°	40.5°	39.4°	39.0°	39.6°	39.8°	42.2°
Beat VMG	3.19	3.79	4.03	4.10	4.09	4.12	4.09
52°	4.95	5.56	5.80	5.87	5.90	5.94	6.01
60°	5.29	5.81	6.00	6.11	6.16	6.15	6.28
75°	5.60	6.07	6.31	6.46	6.60	6.69	6.74
90°	5.67	6.16	6.57	6.86	7.06	7.23	7.44
110°	5.31	6.07	6.59	6.96	7.32	7.80	8.46
120°	5.15	5.99	6.55	7.16	7.65	8.01	9.15
135°	4.66	5.66	6.23	6.80	7.47	8.31	10.70
150°	3.99	4.98	5.72	6.15	6.54	7.11	9.25
Run VMG	3.46	4.31	4.95	5.33	5.86	6.24	8.01
Gybe Angles	147.0°	148.0°	149.5°	174.0°	177.0°	177.0°	139.6°