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2020
Club
Double Handed

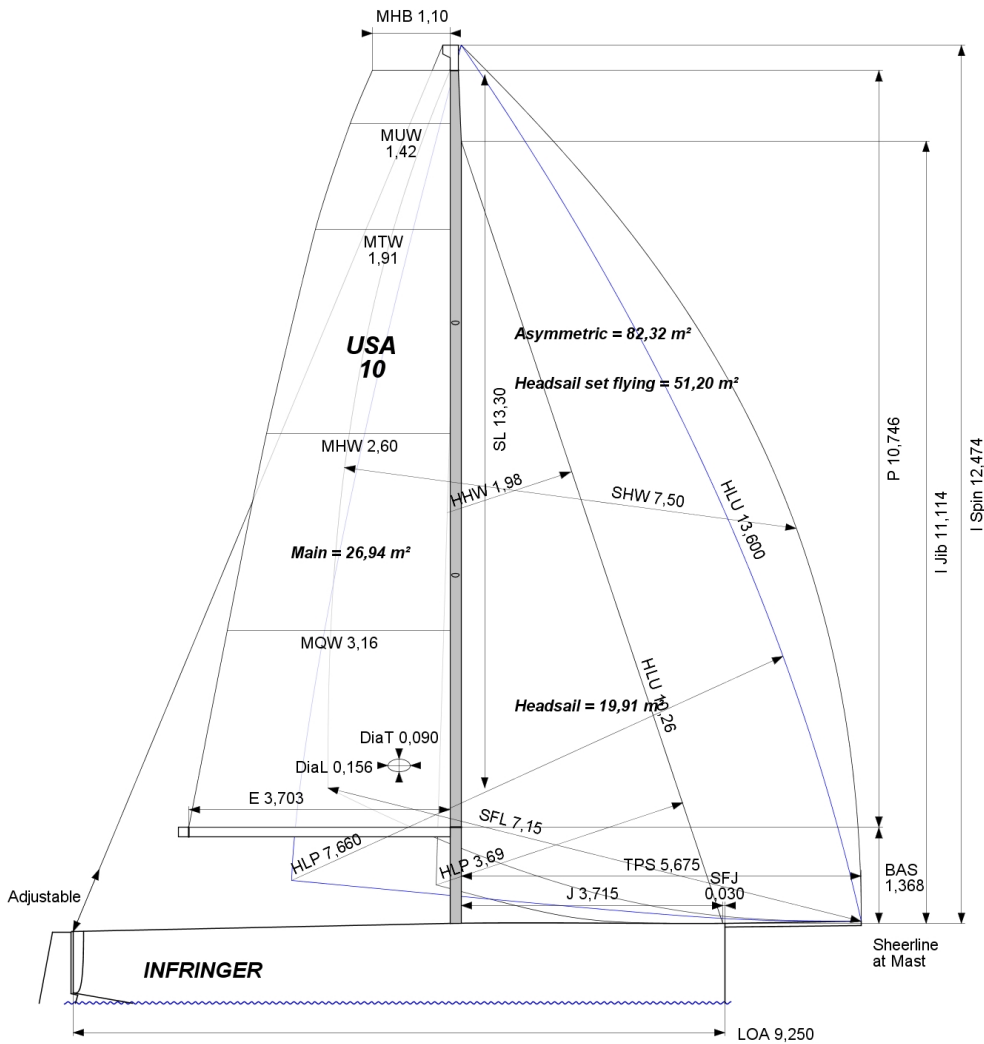
Rating Office

**Offshore
Racing
Congress**

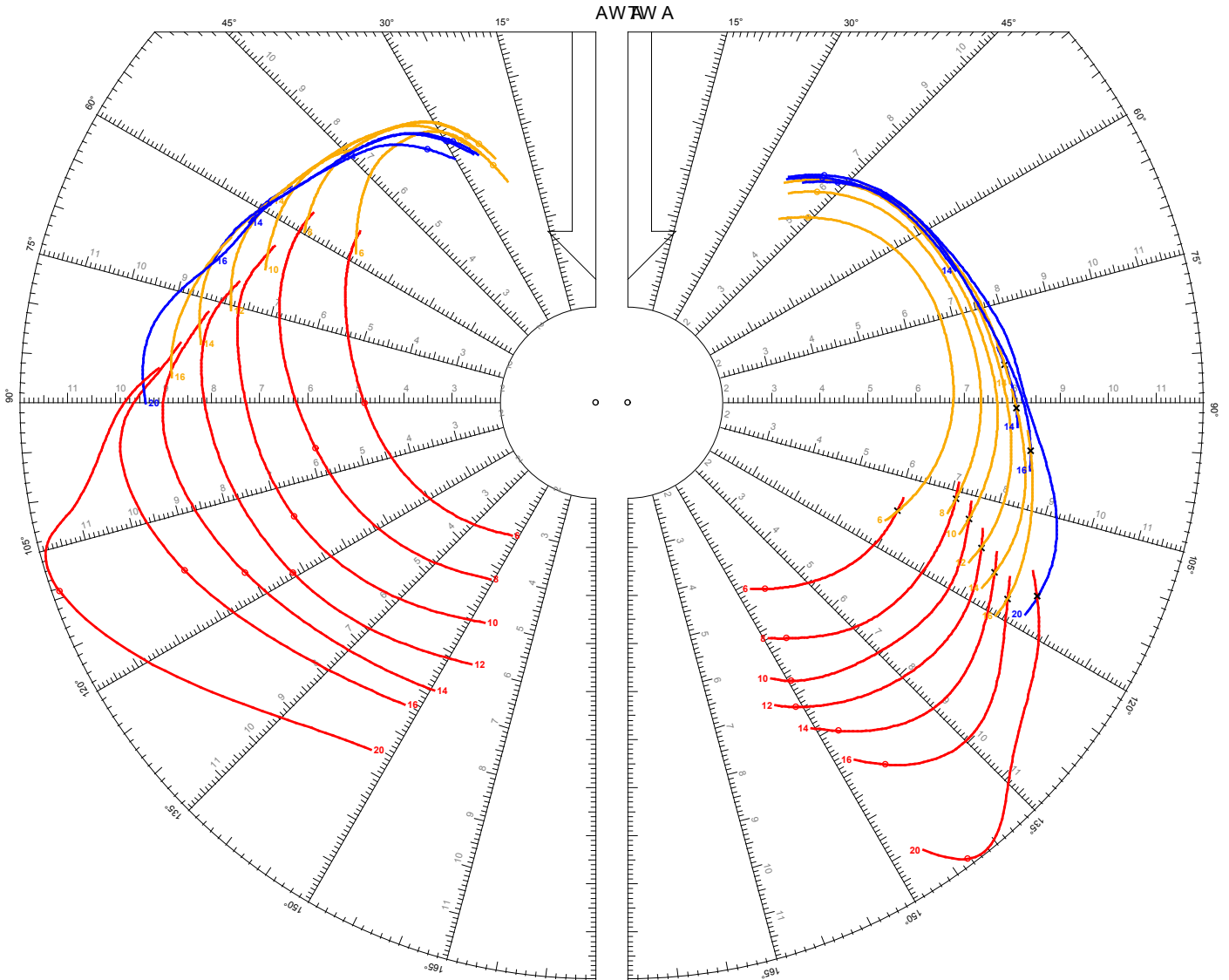


Certificate

Number **US6469**
Issued On **18/09/2020**
ORC Ref **0341000QMQ**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



BOAT Name INFRINGER Sail Nr USA 10		GPH 604.5	HULL Data File US6469 DH LOA 9.250m Offset File Luka30_NO.off MB 2.528m Displacement 2,127kg Draft 1.888m		Crew Weight Default 170kg Maximum 135kg Non Manual Pwr No	
CLASS Class L-30 OD Designer Andrej Justin Builder Ocean Tec Series 12/2014 Age Date 08/2018 Age Allowance 0.195%			Performance IMS Division Performance Dynamic All. 0.000% 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 82.32 Flying H/S: Yes 51.19 Spin. Pole: No	
COMMENTS			IMS Data IMSL 9.226m VCGD -0.141m Sink 14.34kg/mm RL 7.400m VCGM -0.153m WS 17.49m² LSM0 8.977m Displacement/Length ratio 2.9402		Stability (Measured) Limit Positive Stab.: 127.9° Stability Index: 126.7	
PROPELLER Type No Propeller			CENTERBOARD N/A		Owner	
SCORING OPTIONS						
	Time on Distance	Time on Time				
Coastal or Long Distance	599.2	1.0013				
Circular Random	604.5	0.9926				
Predominantly Upwind	602.1	0.9965				
Predominantly Downwind	538.1	1.1149				



Polar Plot for Boat	
Name	INFRINGER
Sail Number	USA 10
Class	L-30 OD
Designer	Andrej Justin
Builder	Ocean Tec
Issued On	18/09/2020 - VPP 2020 1.02

BOAT	
Name	INFRINGER
Sail Nr	USA 10
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	934.9	821.7	779.1	776.2	770.2	761.9	787.5
52°	602.4	546.5	527.5	521.4	524.8	518.1	520.9
60°	562.8	522.5	509.3	501.3	505.7	500.2	498.8
75°	534.7	499.9	485.9	476.8	471.3	474.6	462.9
90°	532.6	490.5	469.0	456.6	446.6	437.8	434.1
110°	586.2	505.7	476.9	450.0	423.5	409.0	382.3
120°	609.7	510.2	467.6	438.9	416.3	394.0	365.4
135°	681.1	544.9	490.7	446.6	401.4	362.6	321.0
150°	807.2	638.0	540.5	493.9	458.1	415.3	329.5
Run VMG	932.1	736.7	624.1	570.4	529.0	479.6	380.5
Selected Courses							
Windward / Leeward	933.5	779.2	701.6	673.3	649.6	620.8	584.0
Circular Random	799.5	660.1	588.9	549.0	523.9	506.2	481.1
Coastal / Long Distance	933.4	731.4	631.2	579.2	544.6	507.2	452.6
Non Spinnaker	929.4	743.3	644.0	587.0	552.7	530.7	505.3

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	44.3°	42.0°	41.3°	40.5°	40.9°	40.9°	43.7°
Beat VMG	3.85	4.38	4.62	4.64	4.67	4.72	4.57
52°	5.98	6.59	6.82	6.90	6.86	6.95	6.91
60°	6.40	6.89	7.07	7.18	7.12	7.20	7.22
75°	6.73	7.20	7.41	7.55	7.64	7.58	7.78
90°	6.76	7.34	7.68	7.88	8.06	8.22	8.29
110°	6.14	7.12	7.55	8.00	8.50	8.80	9.42
120°	5.90	7.06	7.70	8.20	8.65	9.14	9.85
135°	5.29	6.61	7.34	8.06	8.97	9.93	11.21
150°	4.46	5.64	6.66	7.29	7.86	8.67	10.92
Run VMG	3.86	4.89	5.77	6.31	6.81	7.51	9.46
Gybe Angles	143.5°	146.0°	149.5°	151.0°	147.3°	144.5°	143.3°