



ORC

Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6534**
Issued On **28/05/2020**
ORC Ref **53410000200**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 585kg
Maximum **585kg**
Minimum* **439kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	627.7	0.9559
Non Spin OSN	612.6	0.9794

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes** **89.43**
Asymmetric: **Yes** **63.05**
Flying H/S: **No**
Spin. Pole: **Yes**

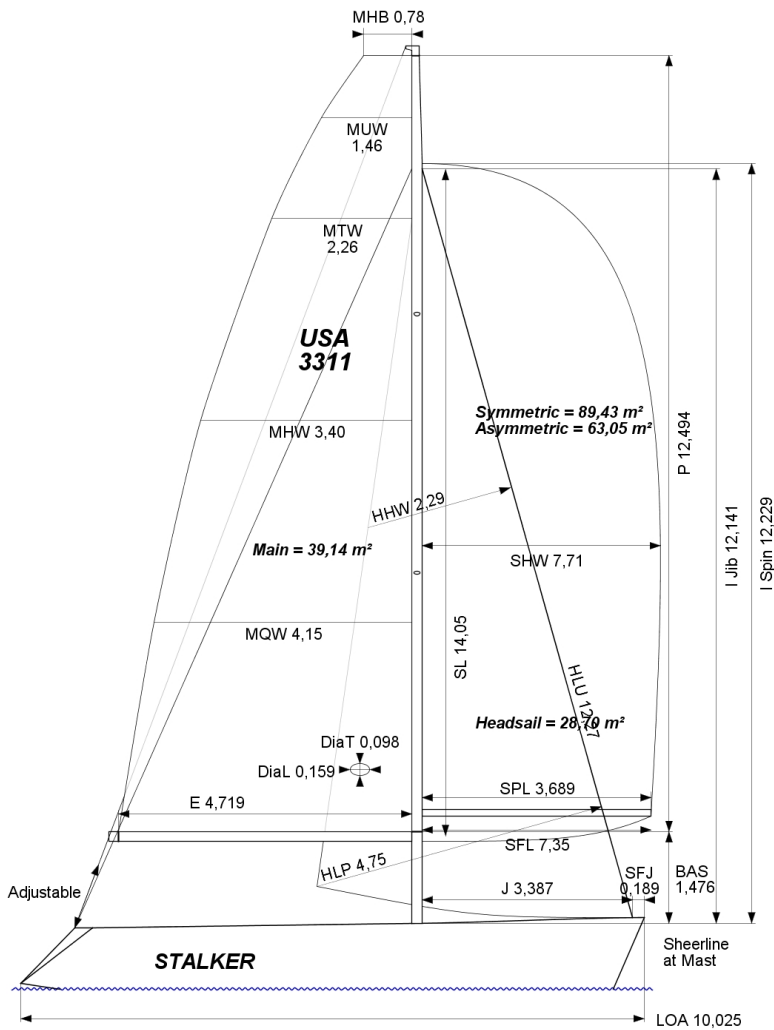
Class Division Length

CDL = 8.872

Stability (Measured)

Limit Positive Stab.: **114.6°**
Stability Index: **110.3**

Owner



BOAT		GPH		HULL		
Name	STALKER		598.9	Data File	US6534 LOA 10.025m	
Sail Nr	USA 3311			Offset File	US30257.OFF MB 3.133m	
				Displacement	2,961kg Draft 2.253m	
CLASS				IMS Division	Performance Dynamic All. 0.000%	
Class	TRIPP 33			Plan Review	Construction Cored	
Designer	Tripp			Fiber Rigging	Aramid Core No	
Builder	Carroll Marine			Crew Arm Ex	Carbon Rudder No	
Series	01/1992			Light Stanchions		
Age Date	01/1992			IMSL	8.968m VCGD -0.138m Sink 15.07kg/mm	
Age Allowance	0.487%			RL	8.796m VCGM 0.042m WS 19.84m²	
COMMENTS				LSM0	8.919m Displacement/Length ratio 4.1734	
				Water Ballast	0 Trim Tab No	
				BLR Index	0.0000	
PROPELLER				CENTERBOARD		
Installation	Shaft exposed	PRD	0.305	N/A		
Type	Folding 2 blades	PBW	0.086			
		PIPA	0.0030			
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	585.1			653.9		
Time on Time	1.0255			1.0323		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	666.3	537.1	482.8	856.9	657.4	583.3
Time on Time	1.0131	1.2567	1.3982	0.7877	1.0268	1.1573

2020

ORC Club Certificate Appendix

BOAT			
Name	STALKER	Certificate Number	US6534
Sail Nr	USA 3311	Issued On	28/05/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	940.3	783.1	731.0	712.0	704.4	695.1	695.7
52°	623.1	539.9	519.0	511.1	507.0	504.1	498.2
60°	592.3	525.4	505.3	496.8	492.0	489.2	479.5
75°	570.3	515.3	490.0	474.4	465.7	460.6	450.7
90°	574.8	515.3	486.4	461.0	442.5	432.4	423.3
110°	593.8	511.5	475.4	448.2	426.8	411.8	387.4
120°	610.7	517.9	477.9	442.1	416.1	393.5	362.0
135°	682.3	552.8	500.3	463.6	427.4	392.0	328.3
150°	821.5	654.5	551.5	500.3	466.6	433.2	368.1
Run VMG	948.5	755.7	636.8	564.3	516.5	483.7	422.2
Selected Courses							
Windward / Leeward	944.4	769.4	683.9	638.2	610.4	589.4	559.0
Circular Random	807.3	659.6	582.4	538.3	510.6	491.3	463.5
Coastal / Long Distance	944.8	726.2	620.9	560.2	524.9	493.8	443.7
Non Spinnaker	858.1	695.7	609.5	559.8	528.6	507.4	478.5

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	42.0°	39.8°	37.9°	37.1°	37.3°	36.9°	37.7°
Beat VMG	3.83	4.60	4.93	5.06	5.11	5.18	5.17
52°	5.78	6.67	6.94	7.04	7.10	7.14	7.23
60°	6.08	6.85	7.12	7.25	7.32	7.36	7.51
75°	6.31	6.99	7.35	7.59	7.73	7.82	7.99
90°	6.26	6.99	7.40	7.81	8.14	8.33	8.51
110°	6.06	7.04	7.57	8.03	8.43	8.74	9.29
120°	5.89	6.95	7.53	8.14	8.65	9.15	9.94
135°	5.28	6.51	7.20	7.77	8.42	9.18	10.97
150°	4.38	5.50	6.53	7.20	7.72	8.31	9.78
Run VMG	3.80	4.76	5.65	6.38	6.97	7.44	8.53
Gybe Angles	138.4°	147.5°	150.0°	159.0°	180.0°	180.0°	180.0°