



ORC

Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **028/20**
Issued On **05/06/2020**
ORC Ref **0388000K0W**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 686kg
Maximum **744kg**
Minimum* **558kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	633.2	0.9476
Non Spin OSN	614.6	0.9762

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **Yes** 109.11
Asymmetric: **Yes** 82.30
Flying H/S: **No**
Spin. Pole: **Yes**

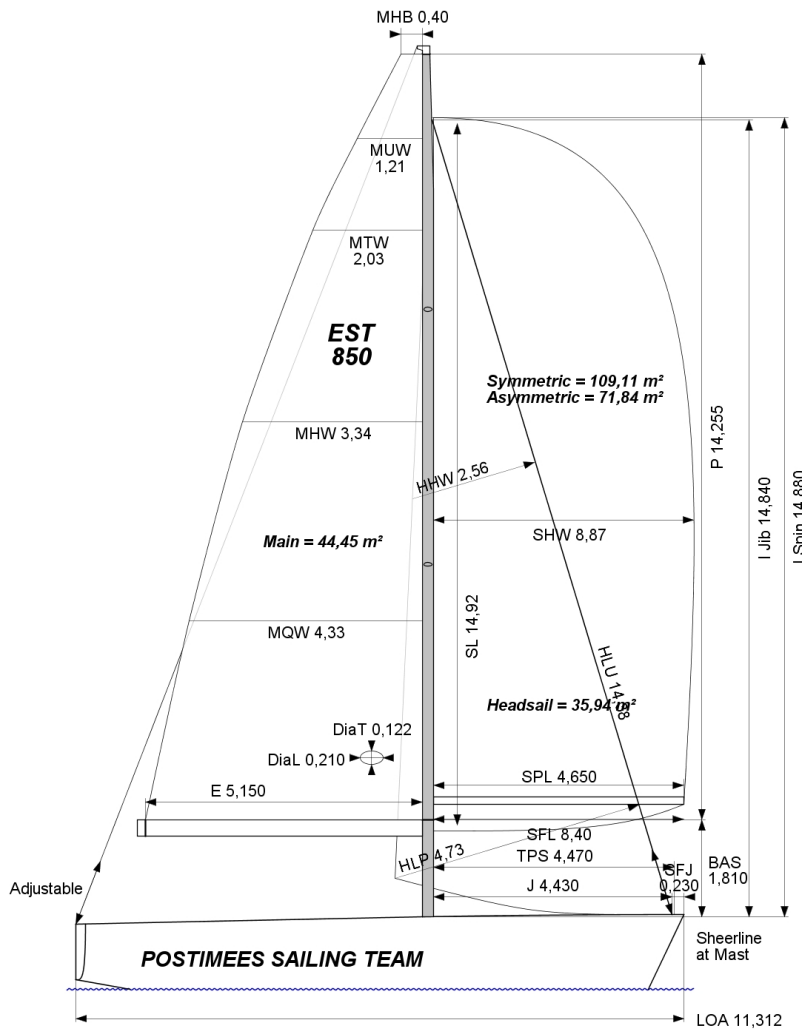
Class Division Length

CDL = 9.667

Stability (Measured)

Limit Positive Stab.: **120.0°**
Stability Index: **119.6**

Owner



BOAT	Name POSTIMEES SAILING TEAM Sail Nr EST 850
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GPH	597.1
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HULL	Data File EST850 LOA 11.312m
	Offset File est850_2020a.off MB 3.640m
	Displacement 5,928kg Draft 1.987m

CLASS	Class ONE OFF
	Designer CYD
	Builder RIDAS YACHT OÜ
	Series 04/2018
	Age Date 04/2018
	Age Allowance 0.065%

IMS Division	Cruiser/Racer	Dynamic All.	0.099%
Plan Review		Construction	Cored
Fiber Rigging	No	Aramid Core	No
Crew Arm Ex		Carbon Rudder	Yes
		Light Stanchions	No

IMSL	10.171m	VCGD	0.016m	Sink	21.07kg/mm
RL	9.175m	VCGM	0.079m	WS	27.67m²
LSM0	9.972m Displacement/Length ratio 5.9781				

Water Ballast	0	Trim Tab	No
BLR Index	0.0000		

COMMENTS	
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PROPELLER	Installation Strut PRD 0.405
	Type Folding 2 blades PBW 0.106
	PIPA 0.0036

CENTERBOARD	NA
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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	581.6			652.5	
Time on Time	1.0317			1.0345		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	684.7	528.9	471.1	891.6	654.5	570.0
Time on Time	0.9858	1.2762	1.4328	0.7571	1.0314	1.1842

2020

ORC Club Certificate Appendix

BOAT			
Name	POSTIMEES SAILING TEAM	Certificate Number	028/20
Sail Nr	EST 850	Issued On	05/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1019.3	839.9	739.8	697.1	681.6	675.9	666.1
52°	664.2	558.2	505.1	484.3	477.4	474.4	469.5
60°	626.0	532.5	490.7	472.0	463.6	459.7	455.7
75°	593.9	506.9	474.2	459.7	445.8	436.4	429.8
90°	571.6	493.3	462.6	440.9	425.8	416.6	401.7
110°	593.7	502.6	465.5	439.2	417.4	395.9	363.9
120°	624.1	514.5	470.4	442.6	415.9	392.8	357.7
135°	689.7	558.8	491.6	460.5	434.2	408.9	359.8
150°	822.3	655.8	551.4	491.3	462.3	437.9	392.1
Run VMG	949.6	757.2	636.7	559.8	510.5	475.3	428.1
Selected Courses							
Windward / Leeward	984.4	798.6	688.2	628.5	596.0	575.6	547.1
Circular Random	821.9	663.9	579.3	530.4	500.2	480.0	453.1
Coastal / Long Distance	980.9	748.7	620.0	548.1	510.7	481.4	432.3
Non Spinnaker	886.4	709.4	613.3	557.0	522.1	499.1	469.3

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	43.1°	41.6°	40.5°	39.6°	39.8°	39.6°	39.8°
Beat VMG	3.53	4.29	4.87	5.16	5.28	5.33	5.40
52°	5.42	6.45	7.13	7.43	7.54	7.59	7.67
60°	5.75	6.76	7.34	7.63	7.76	7.83	7.90
75°	6.06	7.10	7.59	7.83	8.08	8.25	8.38
90°	6.30	7.30	7.78	8.17	8.46	8.64	8.96
110°	6.06	7.16	7.73	8.20	8.63	9.09	9.89
120°	5.77	7.00	7.65	8.13	8.65	9.16	10.06
135°	5.22	6.44	7.32	7.82	8.29	8.80	10.00
150°	4.38	5.49	6.53	7.33	7.79	8.22	9.18
Run VMG	3.79	4.75	5.65	6.43	7.05	7.57	8.41
Gybe Angles	140.5°	148.5°	149.0°	156.5°	172.0°	180.0°	180.0°