



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

EYU
Regati 1
11911
Estonia

Certificate

Number **EST615**
Issued On **29.04.2016**
ORC Ref **EST00001030**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**

Crew Weight

Declared **850kg**
Default* **803kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double	574,2	1,0449
Double	562,6	1,0666
Non Spin GPH	604,1	0,9932
Non Spin OSN	588,1	1,0203
N/S Perf. Line	8,1	0,643

Sails Limitations

Headsail **7** Spinnakers **4**

Spinnaker configuration

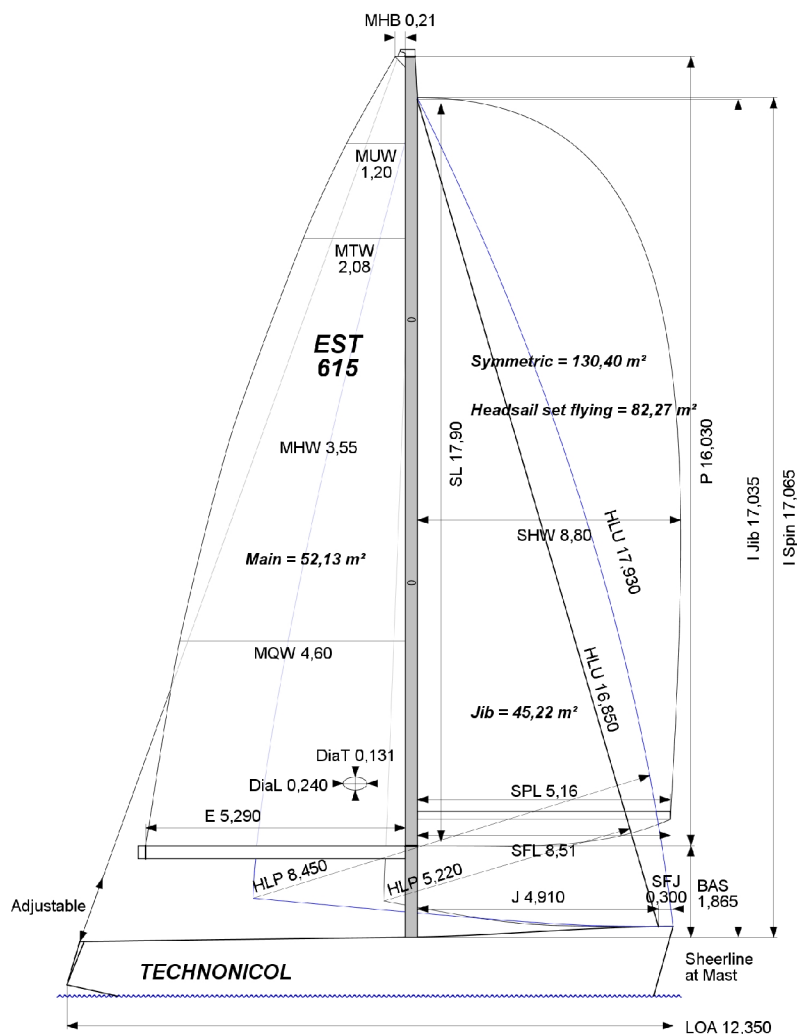
Symmetric: **Yes** **130,40**
Asymmetric: **No**
Flying H/S: **Yes** **82,27**
Spin. Pole: **Yes**

Class Division Length

CDL = **10,689**

Stability

LPS (Measured): **124,0°**
Stability Index: **128,0**
OSR Category: **0**



BOAT		GPH		HULL			
Name	TECHNONICOL	569,5	Data File	Est0615.dxt	LOA	12,350m	
Sail Nr	EST-615		Offset File	X41.OFF	MB	3,646m	
			Displacement	7 076kg	Draft	2,509m	
			IMS Division	Cruiser/Racer	Dynamic All.	0,012%	
		Fwd Accom.	Yes	Construction	Cored		
		Fiber	No	Aramid Core	No		
		Crew Arm Ex		Carbon Rudder	No		
				Light			
		IMSL	11,193m	VCGD	-0,062m	Sink	23,06kg/mm
		RL	10,182m	VCGM	-0,091m	WS	30,95m²
		LSM0	11,143m	Displacement/Length		5,1142	
		Water Ballast	0	Trim Tab	No		
COMMENTS		CENTERBOARD					
		N/A					
PROPELLER							
Installation	Strut	PRD	0,430				
Type	Folding 2 blades	PBW	0,125				
		PIPA	0,0036				

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	557,0			624,3		
Time On Time	1,0771			1,0812		
Performance Line	0,731	37,5		0,924	209,5	
Triple Number	Low 1,0368	Medium 1,3350	High 1,5063	Low 0,7867	Medium 1,0755	High 1,2495



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ORC Club Certificate Appendix

BOAT			
Name	TECHNONICOL	Certificate Number	EST615
Sail Nr	EST-615	Issued On	29.04.2016

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	975,5	805,0	704,2	661,7	641,7	629,9	615,1
52°	634,7	527,4	478,2	461,7	454,6	450,7	442,8
60°	581,1	489,9	463,9	448,4	441,5	437,3	429,6
75°	525,5	462,9	445,5	434,6	421,1	413,9	407,2
90°	512,4	459,1	435,3	418,6	408,7	398,6	381,1
110°	552,0	481,0	447,7	423,5	398,6	379,3	357,5
120°	604,4	496,5	453,7	427,1	399,9	382,4	345,1
135°	670,0	541,2	475,8	446,0	421,4	395,7	343,3
150°	796,0	634,1	534,7	476,5	448,1	425,2	378,3
Run VMG	919,2	732,2	617,4	544,1	496,7	461,3	415,9
Selected Courses							
Windward / Leeward	947,3	768,6	660,8	602,9	569,2	545,6	515,5
Circular Random	781,9	632,7	552,9	506,2	477,0	456,9	429,3
Ocean for PCS	972,0	749,4	623,9	547,2	497,3	461,9	410,8
Non Spinnaker	846,1	677,3	585,3	530,9	496,8	474,0	444,3

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	43,5°	42,3°	41,4°	39,4°	38,7°	38,1°	37,6°
Beat VMG	3,69	4,47	5,11	5,44	5,61	5,71	5,85
52°	5,67	6,83	7,53	7,80	7,92	7,99	8,13
60°	6,19	7,35	7,76	8,03	8,15	8,23	8,38
75°	6,85	7,78	8,08	8,28	8,55	8,70	8,84
90°	7,03	7,84	8,27	8,60	8,81	9,03	9,45
110°	6,52	7,48	8,04	8,50	9,03	9,49	10,07
120°	5,96	7,25	7,93	8,43	9,00	9,41	10,43
135°	5,37	6,65	7,57	8,07	8,54	9,10	10,49
150°	4,52	5,68	6,73	7,56	8,03	8,47	9,52
Run VMG	3,92	4,92	5,83	6,62	7,25	7,80	8,65
Gybe Angles	141,8°	147,6°	149,6°	155,6°	169,4°	180,0°	180,0°