



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

EYU
Regati 1
11911
Estonia

Certificate

Number **EST031**
Issued On **19.05.2016**
ORC Ref **EST00001065**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**

Crew Weight

Declared **510kg**
Default* **529kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double	654,9	0,9162
Double	637,6	0,9410
Non Spin	GPH 676,5	0,8869
Non Spin	OSN 656,4	0,9141
N/S Perf. Line	3,6	0,570

Sails Limitations

Headsail **6** Spinnakers **3**

Spinnaker configuration

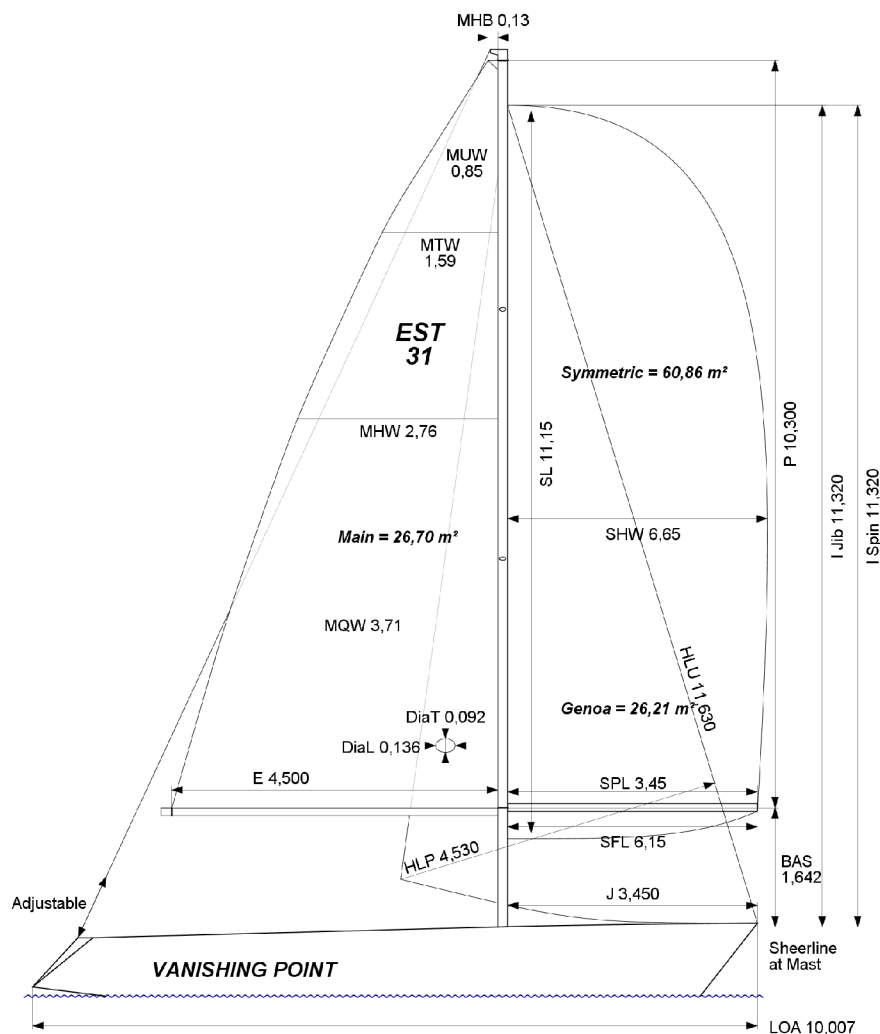
Symmetric: **Yes** **60,86**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **8,251**

Stability

LPS (Measured): **116,4°**
Stability Index: **113,5**
OSR Category: **2**



BOAT		GPH	HULL	
Name	VANISHING POINT	649,7	Data File	Est0031.dxt
Sail Nr	EST-31		LOA	10,007m
CLASS			Offset File	H012.BOF
Class	X-99		MB	2,992m
Designer	NIELS JEPPESEN		Displacement	2 876kg
Builder	X-YACHTS		IMS Division	Cruiser/Racer
Series	04.1985		Dynamic All.	0,145%
Age Date	01.1986		Fwd Accom.	No
Age Allowance	0,487%		Construction	Cored
COMMENTS			Fiber	No
			Aramid Core	No
			Crew Arm Ex	No
			Carbon Rudder	No
			Light	
			IMSL	8,609m
			VCGD	-0,103m
			Sink	13,45kg/mm
			RL	7,892m
			VCGM	-0,043m
			WS	18,14m²
			LSM0	8,310m
			Displacement/Length	5,0117
			Water Ballast	0
			Trim Tab	No
PROPELLER			CENTERBOARD	
Type	No Propeller		N/A	

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	630,7			706,0		
Time On Time	0,9513			0,9561		
Performance Line	PLT	PLD		PLT	PLD	
	0,619	19,4		0,777	182,0	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8949	1,1768	1,3467	0,6852	0,9505	1,1117



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ORC Club Certificate Appendix

BOAT			
Name	VANISHING POINT	Certificate Number	EST031
Sail Nr	EST-31	Issued On	19.05.2016

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1127,7	924,0	809,3	751,7	725,0	711,1	699,7
52°	726,2	602,4	543,8	521,0	511,2	505,6	499,9
60°	677,5	568,7	526,2	505,3	493,7	486,6	480,3
75°	636,7	545,6	512,0	488,3	467,8	455,0	444,4
90°	638,0	546,5	512,2	487,9	463,3	440,8	413,6
110°	668,5	551,7	508,4	475,4	445,0	428,4	399,7
120°	690,0	564,4	515,3	483,2	450,2	417,6	378,4
135°	766,0	617,4	539,3	504,6	474,2	443,3	380,3
150°	916,0	719,7	602,7	536,4	504,6	476,6	419,9
Run VMG	1057,7	831,1	695,9	608,3	551,1	515,2	461,5
Selected Courses							
Windward / Leeward	1092,7	877,5	752,6	680,0	638,0	613,2	580,6
Circular Random	904,3	726,4	630,0	573,0	536,9	512,3	479,3
Ocean for PCS	1114,8	855,4	708,4	618,0	558,4	516,1	456,1
Non Spinnaker	950,7	759,6	655,3	593,4	554,3	527,9	493,1

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°	43,1°	42,5°	40,5°	39,1°	38,3°	38,1°
Beat VMG	3,19	3,90	4,45	4,79	4,97	5,06	5,15
52°	4,96	5,98	6,62	6,91	7,04	7,12	7,20
60°	5,31	6,33	6,84	7,12	7,29	7,40	7,50
75°	5,65	6,60	7,03	7,37	7,70	7,91	8,10
90°	5,64	6,59	7,03	7,38	7,77	8,17	8,70
110°	5,39	6,53	7,08	7,57	8,09	8,40	9,01
120°	5,22	6,38	6,99	7,45	8,00	8,62	9,51
135°	4,70	5,83	6,67	7,13	7,59	8,12	9,46
150°	3,93	5,00	5,97	6,71	7,13	7,55	8,57
Run VMG	3,40	4,33	5,17	5,92	6,53	6,99	7,80
Gybe Angles	145,7°	149,5°	150,0°	158,2°	180,0°	180,0°	180,0°