



World Leader in Rating Technology

2016 ORC Club Certificate

Rating Office

EYU
Regati 1
11911
Estonia

Certificate

Number **EST478**
Issued On **24.05.2016**
ORC Ref **EST00001070**
VPP Ver. **2016 1.01**
Valid until **31.12.2016**

Crew Weight

Declared **800kg**
Default* **899kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Double **603,5 0,9942**
Double **585,4 1,0249**
Non Spin GPH **632,9 0,9480**
Non Spin OSN **612,4 0,9797**
N/S Perf. Line **-12,2 0,586**

Sails Limitations

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

Spinnaker configuration

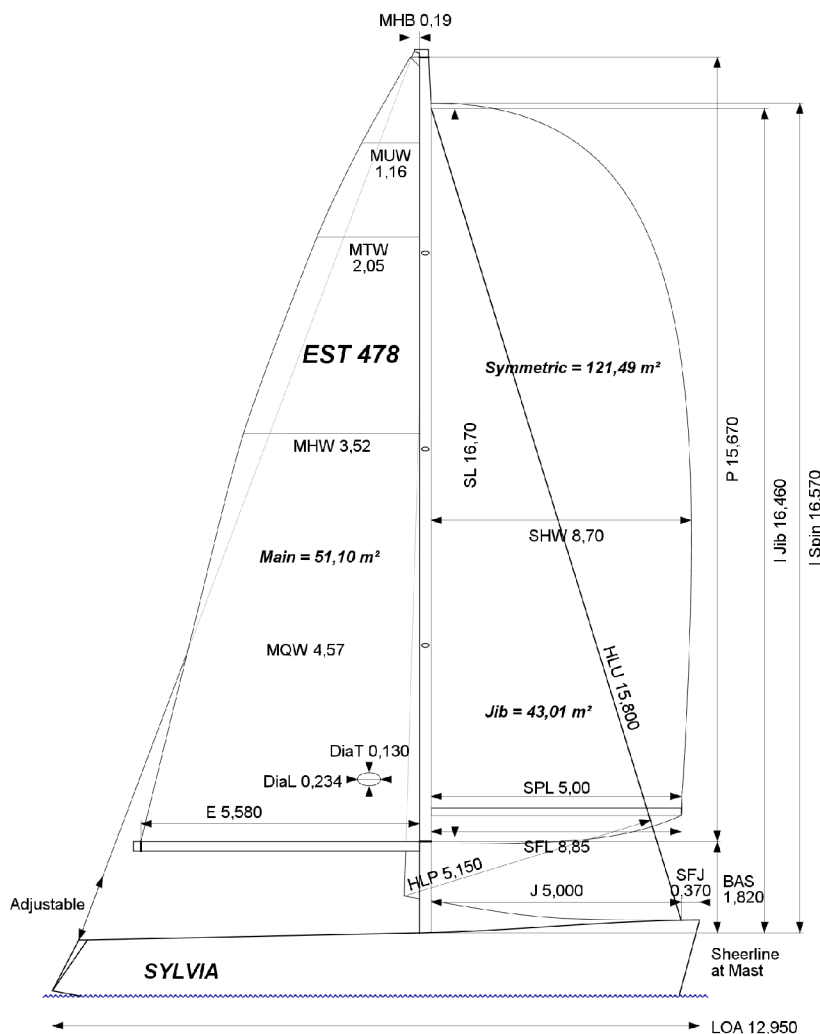
Symmetric: **Yes 121,49**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **10,727**

Stability

LPS (Measured): **113,7°**
Stability Index: **120,8**
OSR Category: **0**



BOAT		GPH	HULL	
Name	SYLVIA	601,4	Data File	Est0478.dxt
Sail Nr	EST 478		LOA	12,950m
CLASS			Offset File	GS43BCBK.OFF
Class	GRAND SOLEIL 43 BC		MB	3,924m
Designer	BOTIN/CARKEEK		Displacement	10 220kg
Builder	DEL PARDO		IMS Division	Cruiser/Racer
Series	09.2006		Dynamic All.	0,294%
Age Date	09.2006		Fwd Accom.	Yes
Age Allowance	0,325%		Construction	Solid
COMMENTS			Fiber	No
			Aramid Core	No
			Crew Arm Ex	No
			Carbon Rudder	No
			Light	
			IMSL	12,129m
			VCGD	0,077m
			Sink	28,40kg/mm
			RL	9,323m
			VCGM	0,090m
			WS	36,66m²
			LSM0	12,054m
			Displacement/Length	5,8352
			Water Ballast	0
			Trim Tab	No
PROPELLER			CENTERBOARD	
Installation	Strut	PRD	N/A	
Type	Folding 2 blades	PBW		
		PIPA		

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	582,5			651,7		
Time On Time	1,0300			1,0358		
Performance Line	0,657	12,5		0,766	129,8	
Triple Number	Low 0,9534	Medium 1,2775	High 1,4673	Low 0,7309	Medium 1,0217	High 1,2255



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ORC Club Certificate Appendix

BOAT

Name **SYLVIA**
Sail Nr **EST 478**

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TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1067,5	872,6	765,1	691,5	655,4	637,5	620,9
52°	687,8	572,9	504,3	468,7	454,0	448,0	443,0
60°	642,7	539,1	480,7	454,3	441,5	435,4	430,1
75°	606,2	510,8	464,5	443,3	429,6	419,2	408,0
90°	608,9	513,1	460,8	442,2	430,0	417,1	393,2
110°	622,9	509,6	456,9	433,3	414,9	403,1	385,7
120°	641,4	524,7	464,2	438,1	419,0	399,4	371,2
135°	711,0	575,8	495,6	455,3	434,0	415,7	377,1
150°	850,0	668,9	563,8	495,5	457,0	436,3	401,3
Run VMG	981,5	772,3	650,9	568,5	513,6	471,5	428,4

Selected Courses

Windward / Leeward	1024,5	822,5	708,0	630,0	584,5	554,5	524,7
Circular Random	844,5	675,3	582,6	527,5	493,0	470,5	443,2
Ocean for PCS	1040,5	795,6	655,9	569,8	514,0	475,8	424,9
Non Spinnaker	901,2	715,5	612,5	550,3	511,0	485,1	453,3

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°	42,5°	42,1°	41,7°	40,1°	39,1°	38,1°
Beat VMG	3,37	4,13	4,71	5,21	5,49	5,65	5,80
52°	5,23	6,28	7,14	7,68	7,93	8,04	8,13
60°	5,60	6,68	7,49	7,92	8,15	8,27	8,37
75°	5,94	7,05	7,75	8,12	8,38	8,59	8,82
90°	5,91	7,02	7,81	8,14	8,37	8,63	9,16
110°	5,78	7,06	7,88	8,31	8,68	8,93	9,33
120°	5,61	6,86	7,76	8,22	8,59	9,01	9,70
135°	5,06	6,25	7,26	7,91	8,30	8,66	9,55
150°	4,24	5,38	6,39	7,26	7,88	8,25	8,97
Run VMG	3,67	4,66	5,53	6,33	7,01	7,63	8,40
Gybe Angles	144,3°	148,9°	150,8°	153,5°	162,0°	180,0°	180,0°