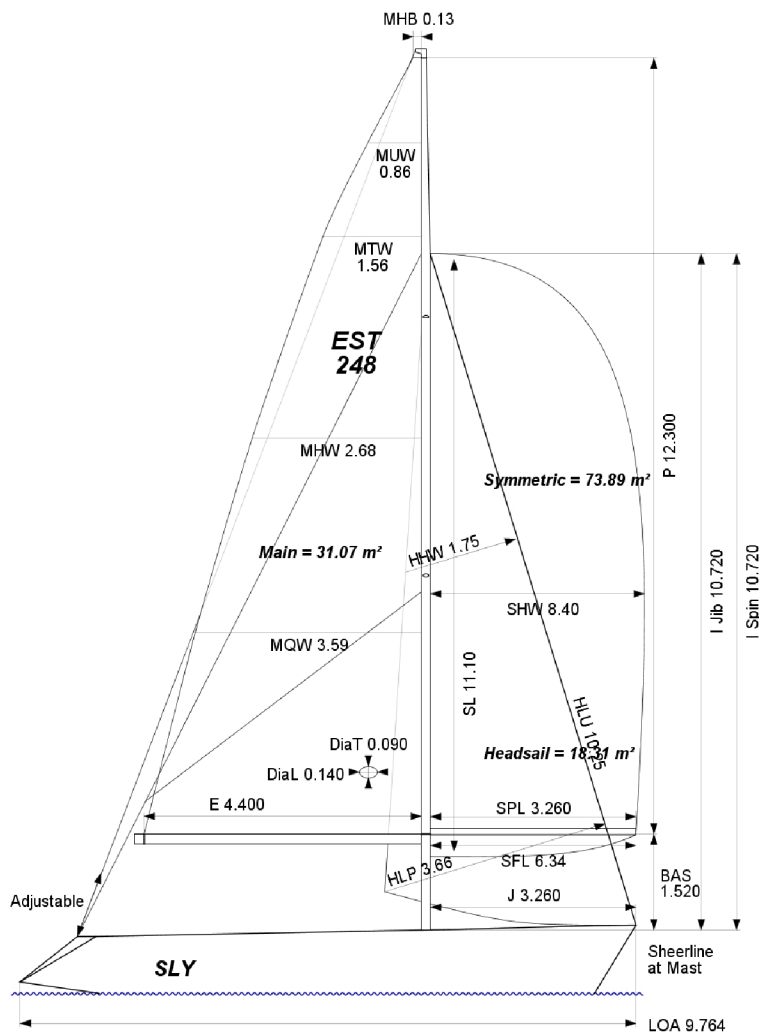




BOAT		GPH	HULL	
Name	Sly	659.6	Data File	EST248 LOA 9.764m
Sail Nr	EST248		Offset File	EST248_CL.off MB 3.010m
			Displacement	3,490kg Draft 1.887m
CLASS			IMS Division	Cruiser/Racer Dynamic All. 0.193%
			Plan Review	Construction Cored
			Fiber Rigging	No Aramid Core No
			Crew Arm Ex	Carbon Rudder No
				Light Stanchions No
			IMSL	8.296m VCGD -0.050m Sink 13.23kg/mm
			RL	7.654m VCGM -0.006m WS 19.53m²
			LSM0	8.111m Displacement/Length ratio
COMMENTS			Water Ballast	Trim Tab No
			BLR Index	0.0000
PROPELLER			CENTERBOARD	
			N/A	
Installation	Shaft exposed	PRD	0.428	
Type	Folding 2 blades	PBW	0.100	
		PIPA	0.0017	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	640.7			712.8		
Time on Time	0.9365			0.9469		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	755.6	583.9	523.0	978.5	714.4	623.2
Time on Time	0.8933	1.1561	1.2906	0.6898	0.9449	1.0831



Rating Office
Estonian Yachting Union
 Purje 8, maja 3
 11911 Tallinn
 Estonia



Certificate
 Number **054/20**
 Issued On **08/06/2020**
 ORC Ref **03880000K46**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight
 Default **511kg**
 Maximum **510kg**
 Minimum* **383kg**
 *when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring
 ToD ToT
 Non Spin GPH **698.7 0.8587**
 Non Spin OSN **675.2 0.8886**

Sails Limitations
 Headsails **5** Spinnakers **4**
Woven Polyester

Spinnaker configuration
 Symmetric: **Yes** **73.89**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
CDL = 7.972

Stability (Estimated)
 Limit Positive Stab.: **118.3°**
 Stability Index: **117.9**

BOAT Name Sly Sail Nr EST248 File EST248 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 08/06/2020 SG 1.0245 VCGDe -0.050 FFM 1.076 FF 1.076 SFFP 0.633 FAM 0.868 FA 0.868 SAFF 8.559 LCF from stem on CL / on sheer 5.205 / 5.407 Maximum beam station from stem 5.858 RM Measured 62.9kg·m RM Default 66.7kg·m Limit of positive stability / Stab.Index 118.3° / 117.9 Freeboard at mast at 3.260 1.011														
RIG Forestay Tension Aft Spreaders 2 Inner Stay None Fitted Runners/Checkstays 2 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit		PROPELLER Installation Shaft exposed PRD 0.428 Type Folding 2 blades PBW 0.100 Twin Screw No PIPA 0.0017 PSA PHL ST3 ESL PSD ST1 ST4 PHD ST2 ST5														
MIZZEN RIG AND SAILS N/A		MOVABLE BALLAST N/A														
COMMENTS 3490		CENTERBOARD N/A														
SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.13	0.86	1.56	2.68	3.59	31.07										
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.07	0.48	0.85	1.75	2.65	3.66	10.25	112%	18.31		No					
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	11.10	11.10	11.10	8.40	6.34	73.89										
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2020
Measurements
Datasheet



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ESTONIAN
YACHTING
UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	Sly	Certificate Number	054/20
Sail Nr	EST248	Issued On	08/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1121.2	930.0	818.6	763.3	745.8	739.3	735.2
52°	737.1	622.2	564.0	540.7	531.5	527.6	525.1
60°	698.9	593.9	548.8	528.1	517.2	512.2	509.2
75°	673.1	574.6	537.2	516.6	500.7	489.0	479.2
90°	653.9	555.0	521.3	507.7	495.3	477.6	453.3
110°	647.7	547.7	511.6	484.5	464.4	452.1	432.4
120°	673.3	557.2	516.8	487.6	460.1	437.5	412.0
135°	763.4	609.5	537.8	506.9	478.5	451.5	400.8
150°	899.1	714.2	597.3	536.4	507.8	481.5	432.3
Run VMG	1038.2	824.6	689.7	604.3	549.8	517.9	467.7
Selected Courses							
Windward / Leeward	1079.7	877.3	754.2	683.8	647.8	628.6	601.4
Circular Random	907.5	733.0	639.8	586.2	553.7	532.7	505.8
Coastal / Long Distance	1075.5	822.9	681.6	603.2	564.3	533.4	484.5
Non Spinnaker	977.6	782.6	676.7	614.7	576.7	552.3	523.2

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°	40.9°	40.5°	38.6°	38.3°	38.3°	38.6°
Beat VMG	3.21	3.87	4.40	4.72	4.83	4.87	4.90
52°	4.88	5.79	6.38	6.66	6.77	6.82	6.86
60°	5.15	6.06	6.56	6.82	6.96	7.03	7.07
75°	5.35	6.27	6.70	6.97	7.19	7.36	7.51
90°	5.51	6.49	6.91	7.09	7.27	7.54	7.94
110°	5.56	6.57	7.04	7.43	7.75	7.96	8.32
120°	5.35	6.46	6.97	7.38	7.82	8.23	8.74
135°	4.72	5.91	6.69	7.10	7.52	7.97	8.98
150°	4.00	5.04	6.03	6.71	7.09	7.48	8.33
Run VMG	3.47	4.37	5.22	5.96	6.55	6.95	7.70
Gybe Angles	146.0°	150.0°	150.0°	160.0°	180.0°	180.0°	180.0°