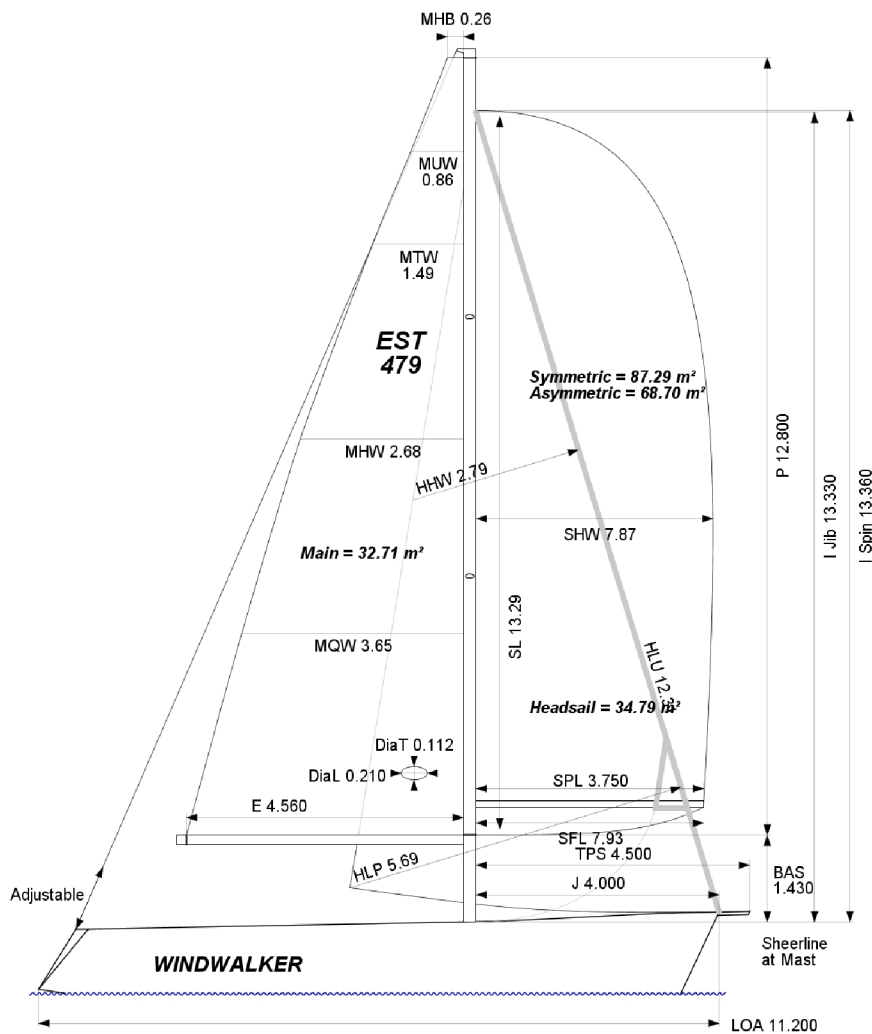




BOAT		GPH	HULL	
Name	WindWalker	668.7	Data File	EST479
Sail Nr	EST479		LOA	11.200m
CLASS			Offset File	BAVA37CL.OFF
Class	BAVARIA 37 CR		MB	3.802m
Designer	BAVARIA YACHTBAU		Displacement	7,198kg
Builder	BAVARIA YACHTBAU		Draft	1.956m
Series	04/2002		IMS Division	Cruiser/Racer
Age Date	07/2006		Dynamic All.	0.396%
Age Allowance	0.487%		Plan Review	Construction Solid
COMMENTS			Fiber Rigging	No
Ex. Galatea			Aramid Core	No
PROPELLER			Carbon Rudder	No
Installation	Strut	PRD 0.430	Light Stanchions	
Type	Folding 2 blades	PIPA 0.0039	IMSL	10.181m
CENTERBOARD			VCGD	-0.150m
N/A			Sink	22.91kg/mm
			RL	7.192m
			VCGM	-0.060m
			WS	29.42m²
			LSM0	10.114m
			Displacement/Length ratio	6.9573
			Water Ballast	Trim Tab No
			BLR Index	0.0000

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	647.2			722.3		
Time on Time	0.9271			0.9345		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	790.5	588.1	505.0	1028.6	734.9	603.7
Time on Time	0.8539	1.1478	1.3367	0.6562	0.9185	1.1181



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



Certificate
 Number 114/20
 Issued On 10/07/2020
 ORC Ref 03880000MB5
 VPP Ver. 2020 1.02
 Valid until 31/12/2020

Crew Weight
 Default 700kg
 Maximum 555kg
 Minimum* 416kg
 *when applied by the NoR and SI
 Non Manual Pwr No

Special Scoring
 ToD ToT
 Non Spin GPH 703.5 0.8529
 Non Spin OSN 678.8 0.8839

Sails Limitations
 Headsails 1 Spinnakers 4
Asymmetric on centerline
Spinnaker configuration
 Symmetric: Yes 87.29
 Asymmetric: Yes 68.70
 Flying H/S: No
 Spin. Pole: Yes

Class Division Length
 CDL = 8.681

Stability (Estimated)
 Limit Positive Stab.: 118.0°
 Stability Index: 120.2

BOAT Name WindWalker Sail Nr EST479 File EST479 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 05/06/2020 SG VCGDe -0.150 FFM 1.327 FF 1.327 SFFP 0.394 FAM 1.054 FA 1.054 SAFF 10.381 LCF from stem on CL / on sheer 6.346 / 6.624 Maximum beam station from stem 7.337 RM Measured 214.0kg·m RM Default 171.8kg·m Limit of positive stability / Stab.Index 118.0° / 120.2 Freeboard at mast at 4.000 1.178	
RIG Forestay Tension Aft Spreaders 2 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler Yes Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No P 12.800 E 4.560 MDT1 0.112 MW 0.000 IG 13.330 J 4.000 MDL1 0.210 GO 0.000 ISP 13.360 SFJ 0.000 MDT2 BD BAS 1.430 SPL 3.750 MDL2 MWT FSD 0.030 TPS 4.500 TL MCG			
MIZZEN RIG AND SAILS N/A		PROPELLER Installation Strut PRD 0.430 Type Folding 2 blades PBW Twin Screw No PIPA 0.0039 ST1 0.065 ST3 ST5 0.315 ST2 ST4 0.106 EDL 2.300	
COMMENTS Ex. Galateia		MOVABLE BALLAST N/A	
		CENTERBOARD N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.26	0.86	1.49	2.68	3.65	32.72				Unknown						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
5	0.08	0.71	1.38	2.79	4.25	5.69	12.31	142%	34.79		No				Unknow	
2	0.07	0.63	1.22	2.52	3.97	5.68	12.41	142%	33.06		No				Unknow	
3	0.08	0.61	1.16	2.31	3.53	4.86	12.88	122%	30.56		No				Unknow	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	13.29	13.29	13.29	7.87	7.93	87.30				Unknown						
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	13.31	13.24	13.28	6.25	6.05	68.70	asym				Unknown					


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2020
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UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	WindWalker	Certificate Number	114/20
Sail Nr	EST479	Issued On	10/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1203.0	987.5	869.4	787.4	728.5	697.5	683.4
52°	770.3	646.7	573.9	529.2	505.8	493.1	484.2
60°	721.4	611.2	545.5	511.7	493.4	481.6	469.9
75°	687.8	584.5	526.4	499.1	482.9	470.1	449.6
90°	695.4	577.8	512.3	483.9	466.7	451.9	436.6
110°	685.1	564.4	504.3	477.6	457.4	437.9	408.2
120°	705.1	579.3	511.7	481.9	461.1	440.6	403.4
135°	779.8	634.4	543.5	499.1	475.6	455.9	416.6
150°	933.2	733.1	615.8	541.3	499.8	477.6	440.5
Run VMG	1077.5	846.5	710.7	618.7	557.7	513.1	468.4
Selected Courses							
Windward / Leeward	1140.3	917.0	790.1	703.0	643.1	605.3	575.9
Circular Random	941.7	752.6	648.1	584.8	544.3	517.6	486.3
Coastal / Long Distance	1134.0	858.7	705.5	607.6	552.2	514.7	464.9
Non Spinnaker	1002.6	796.2	681.0	610.7	565.4	535.3	499.3

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	45.0°	43.5°	42.0°	42.0°	40.5°	39.4°	38.6°
Beat VMG	2.99	3.65	4.14	4.57	4.94	5.16	5.27
52°	4.67	5.57	6.27	6.80	7.12	7.30	7.44
60°	4.99	5.89	6.60	7.04	7.30	7.47	7.66
75°	5.23	6.16	6.84	7.21	7.45	7.66	8.01
90°	5.18	6.23	7.03	7.44	7.71	7.97	8.25
110°	5.25	6.38	7.14	7.54	7.87	8.22	8.82
120°	5.11	6.21	7.04	7.47	7.81	8.17	8.92
135°	4.62	5.67	6.62	7.21	7.57	7.90	8.64
150°	3.86	4.91	5.85	6.65	7.20	7.54	8.17
Run VMG	3.34	4.25	5.07	5.82	6.45	7.02	7.69
Gybe Angles	146.0°	150.0°	151.0°	155.0°	169.0°	180.0°	180.0°