

2020 ORC Club Certificate

Rating Office

EYU
Purje 8
11911, Tallinn
Estonia

Certificate

Number **EST703**
Issued On **5/15/2020**
ORC Ref **035800001CC**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 719kg
Maximum **719kg**
Minimum* **539kg**
*when applied by the NoR and SI
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **638.0 0.9404**
Non Spin OSN **619.5 0.9686**

Sails Limitations

Headsails **5** Spinnakers **4**

Asymmetric on centerline

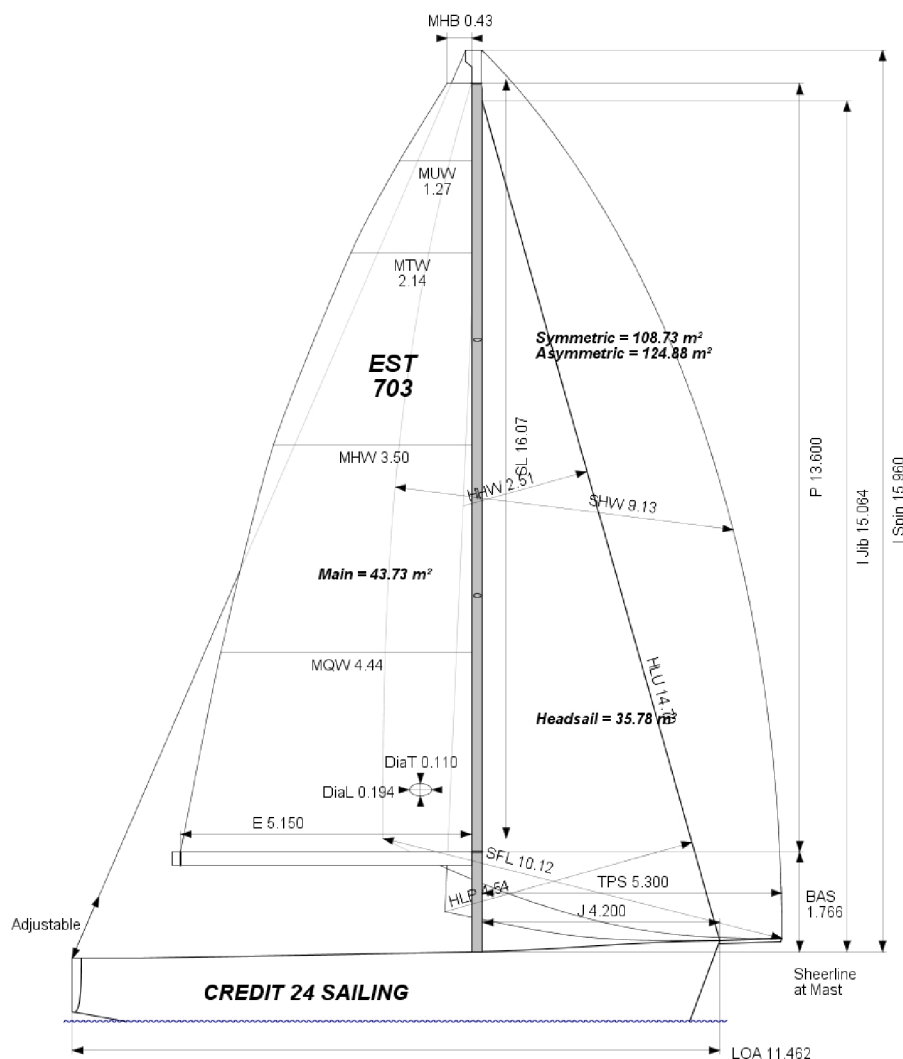
Spinnaker configuration
Symmetric: **Yes 108.73**
Asymmetric: **Yes 124.88**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 9.706

Stability (Estimated)

Limit Positive Stab.: **116.0°**
Stability Index: **118.5**



BOAT			GPH			HULL		
Name Credit 24 Sailing			601.2			Data File Est0703 LOA 11.462m		
Sail Nr EST 703						Offset File SAL38TK_c.rud. MB 3.578m		
						Displacement 6,261kg Draft 2.038m		
CLASS						IMS Division Cruiser/Racer Dynamic All. 0.131%		
						Plan Review Construction Cored		
Class Salona 38 ibc						Fiber Rigging No Aramid Core No		
Designer Jakopin & Jakopin						Crew Arm Ex Carbon Rudder Yes		
Builder AD Boats						Light Stanchions		
Series 05/2011, CIN HR-ADB38031C313						IMSL 10.389m VCGD 0.031m Sink 21.15kg/mm		
Age Date 03/2013						RL 9.034m VCGM 0.076m WS 27.86m		
Age Allowance 0.292%						LSM0 10.307m Displacement/Length ratio		
COMMENTS						Water Ballast Trim Tab No		
						BLR Index 0.0000		
PROPELLER						CENTERBOARD		
Installation Strut PRD 0.415						N/A		
Type Folding 2 blades PBW 0.105								
						</		

BOAT										INCLINING TEST AND FREEBOARDS																																																	
Name Credit 24 Sailing					Sail Nr EST 703					Inclining Test Enter RM directly																																																	
File Est0703					Data in meters/kilograms					Flotation date 14/05/2020 SG 1.0000																																																	
RIG										RM Ce 150.4																																																	
Forestay Tension Aft					Spreaders 2					FFM 1.419 SFFP 0.300					FAM 1.094 SAFF 10.260																																												
Inner Stay None Fitted					Runners/Checkstays 0					LCF from stem on CL / on sheer 6.333 / 6.574																																																	
Carbon Mast Yes					Jib Furler No					Maximum beam station from stem 7.100																																																	
Fiber Rigging No					Main Furler No					RM Measured 150.4kg·m																																																	
Non-Circular Rigging No										RM Default 156.4kg·m																																																	
Articulated Bowsprit No										Limit of positive stability / Stab.Index 116.0° / 118.5																																																	
										Freeboard at mast at 4.200 1.225																																																	
<table border="1"> <tr> <td>P</td><td>13.600</td><td>E</td><td>5.150</td><td>MDT1</td><td>0.110</td><td>MW</td><td>0.194</td> </tr> <tr> <td>IG</td><td>15.064</td><td>J</td><td>4.200</td><td>MDL1</td><td>0.194</td><td>GO</td><td>0.201</td> </tr> <tr> <td>ISP</td><td>15.960</td><td>SFJ</td><td></td><td>MDT2</td><td>0.104</td><td>BD</td><td>0.240</td> </tr> <tr> <td>BAS</td><td>1.766</td><td>SPL</td><td>4.600</td><td>MDL2</td><td>0.174</td><td>MWT</td><td>107.50</td> </tr> <tr> <td>FSD</td><td>0.035</td><td>TPS</td><td>5.300</td><td>TL</td><td>0.115</td><td>MCG</td><td>5.140</td> </tr> </table>										P	13.600	E	5.150	MDT1	0.110	MW	0.194	IG	15.064	J	4.200	MDL1	0.194	GO	0.201	ISP	15.960	SFJ		MDT2	0.104	BD	0.240	BAS	1.766	SPL	4.600	MDL2	0.174	MWT	107.50	FSD	0.035	TPS	5.300	TL	0.115	MCG	5.140										
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SAILS INVENTORY																																																											
MAINSAIL (1)																																																											
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment																																																
4a	0.43	1.27	2.14	3.50	4.44	43.74			OneSails	Unknown	P13,60;E5,15																																																
HEADSAILS (4)																																																											
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment																																											
10	0.13	0.80	1.46	2.51	3.50	4.54	14.70	108%	35.78	No	SLO 03	08/04/2019	OneSails	Unknown	M																																												
13	0.14	0.82	1.48	2.48	3.46	4.52	14.69	108%	35.57	No	SLO 03	03/04/2020	OneSails	Unknown																																													
11	0.12	0.79	1.41	2.45	3.43	4.42	13.88	105%	32.97	No	EST 1	13/07/2017		Unknown																																													
12	0.13	0.52	0.98	2.01	3.13	4.34	13.76	103%	28.80	No	SLO 03	03/04/2020	OneSails	Unknown																																													
SYMMETRIC SPINNAKERS (3)																																																											
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment																																																
11	15.80	15.80	15.80	8.23	8.37	108.74	SLO 03	20/02/2020	OneSails	Unknown																																																	
10	14.99	14.99	14.99	8.35	8.02	103.49	SLO 03	08/06/2017	OneSails	Unknown																																																	
8	15.10	15.10	15.10	7.69	6.88	94.73	SLO 03/BG	10/07/2015	OneSail	Unknown	R																																																
ASYMMETRIC SPINNAKERS (1)																																																											
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment																																															
1	17.18	14.95	16.07	9.13	10.12	124.88	asym	SLO 03	20/02/2020	OneSails	Unknown																																																



2020 Measurements Datasheet

Certificate	
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ORC Ref	03580000ICC
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2020

ORC Club Certificate Appendix

BOAT			
Name	Credit 24 Sailing	Certificate Number	EST703
Sail Nr	EST 703	Issued On	5/15/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1029.0	849.2	747.6	702.6	685.6	679.0	666.2
52°	670.6	563.7	509.4	488.4	481.0	477.6	472.5
60°	631.8	536.9	494.3	476.1	467.7	463.8	460.1
75°	602.1	518.1	483.6	465.0	451.8	442.9	435.9
90°	604.7	507.4	474.4	462.5	446.0	430.6	409.2
110°	594.0	498.6	463.4	440.3	424.2	412.9	392.3
120°	609.2	506.8	467.9	442.0	417.1	396.5	372.6
135°	686.8	551.3	487.6	459.0	434.0	409.0	360.9
150°	812.7	649.4	546.8	492.9	464.8	442.0	397.1
Run VMG	938.4	749.9	631.4	561.5	511.9	477.1	432.3
Selected Courses							
Windward / Leeward	983.7	799.6	689.5	632.0	598.7	578.1	549.2
Circular Random	826.2	667.7	583.3	534.8	505.2	485.5	459.3
Coastal / Long Distance	979.2	749.7	621.8	552.9	515.7	486.5	439.6
Non Spinnaker	892.5	714.6	618.0	561.4	526.4	503.5	473.7

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	43.1°	41.6°	40.9°	39.8°	39.0°	39.0°	39.4°
Beat VMG	3.50	4.24	4.82	5.12	5.25	5.30	5.40
52°	5.37	6.39	7.07	7.37	7.48	7.54	7.62
60°	5.70	6.71	7.28	7.56	7.70	7.76	7.82
75°	5.98	6.95	7.44	7.74	7.97	8.13	8.26
90°	5.95	7.09	7.59	7.78	8.07	8.36	8.80
110°	6.06	7.22	7.77	8.18	8.49	8.72	9.18
120°	5.91	7.10	7.69	8.15	8.63	9.08	9.66
135°	5.24	6.53	7.38	7.84	8.30	8.80	9.98
150°	4.43	5.54	6.58	7.30	7.75	8.14	9.07
Run VMG	3.84	4.80	5.70	6.41	7.03	7.55	8.33
Gybe Angles	144.0°	148.5°	147.5°	156.5°	173.0°	180.0°	180.0°