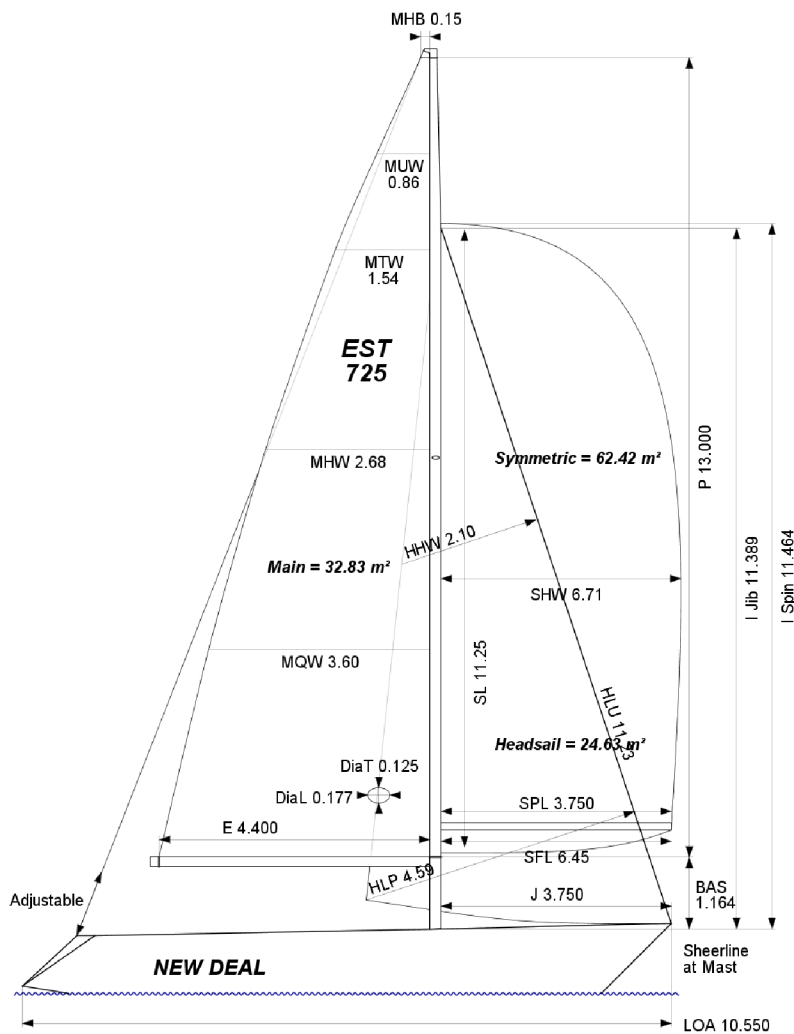




BOAT		GPH	HULL	
Name	New Deal	688.3	Data File	EST725
Sail Nr	EST725		Offset File	S9308.BOF
			Displacement	5,320kg
			LOA	10.550m
			MB	3.218m
			Draft	1.911m
			IMS Division	Dynamic All. 0.419%
			Plan Review	Construction
			Fiber Rigging	No
			Crew Arm Ex	No
			Aramid Core	No
			Carbon Rudder	No
			Light Stanchions	No
			IMSL	8.629m
			VCGD	-0.300m
			Sink	15.63kg/mm
			RL	7.111m
			VCGM	-0.202m
			WS	23.32m²
			LSM0	8.777m
			Displacement/Length ratio	
			Water Ballast	Trim Tab No
			BLR Index	0.0000
			CENTERBOARD	
			N/A	
PROPELLER				
Installation	Strut	PRD	0.406	
Type	Folding 2 blades	PIPA	0.0031	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	667.4			741.2		
Time on Time	0.8991			0.9107		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	797.2	607.5	537.9	1031.5	748.7	637.9
Time on Time	0.8467	1.1112	1.2548	0.6544	0.9016	1.0582



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



Certificate
 Number **062/20**
 Issued On **11/06/2020**
 ORC Ref **03880000K10**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight
 Default **572kg**
 Maximum **475kg**
 Minimum* **356kg**
 *when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring
 ToD ToT
 Non Spin GPH **717.4 0.8364**
 Non Spin OSN **692.6 0.8663**

Sails Limitations
 Headsails **5** Spinnakers **4**

Spinnaker configuration
 Symmetric: **Yes 62.42**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
 CDL = **7.867**

Stability (Estimated)
 Limit Positive Stab.: **128.4°**
 Stability Index: **131.8**

BOAT Name New Deal Sail Nr EST725 File EST725 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 18/11/2019 SG 1.0258 VCGDe -0.300	
RIG Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit		FFM 1.121 FF 1.121 SFFP 0.812 FAM 0.935 FA 0.935 SAFF 9.378 LCF from stem on CL / on sheer 5.873 / 6.053 Maximum beam station from stem 5.998 RM Measured 99.7kg·m RM Default 84.4kg·m Limit of positive stability / Stab.Index 128.4° / 131.8 Freeboard at mast at 3.750 1.055	
MIZZEN RIG AND SAILS N/A		PROPELLER Installation Strut PRD 0.406 Type Folding 2 blades PBW Twin Screw No PIPA 0.0031 ST1 0.048 ST3 0.170 ST5 0.262 ST2 0.170 ST4 0.098 EDL 2.845	
COMMENTS		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	0.15	0.86	1.54	2.68	3.60	32.84										
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.07	0.54	1.02	2.10	3.28	4.59	11.23	122%	24.63		No		10/06/2020	Tuss Sails	Unknow	
2	0.08	0.46	0.86	1.65	2.44	3.25	11.17	87%	18.43	Y	No		10/06/2020	Tuss Sails	Unknow	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	11.25	11.25	11.25	6.71	6.45	62.42										
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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EJL
ESTONIAN
YACHTING
UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	New Deal	Certificate Number	062/20
Sail Nr	EST725	Issued On	11/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1174.9	975.9	864.5	791.9	756.1	743.3	741.7
52°	767.2	651.7	581.5	550.5	535.6	528.3	524.4
60°	726.2	618.8	561.6	537.0	523.3	514.6	508.5
75°	698.2	593.4	547.5	526.0	511.2	499.5	482.8
90°	699.8	583.8	535.8	513.6	500.9	493.3	469.2
110°	699.2	578.4	531.6	507.3	486.3	466.5	443.7
120°	723.9	595.5	538.5	512.3	491.1	469.8	433.1
135°	804.6	660.6	568.1	529.9	506.8	485.6	444.2
150°	955.8	755.2	638.8	563.2	529.2	507.4	467.2
Run VMG	1103.6	871.3	736.0	640.1	574.1	536.3	493.9
Selected Courses							
Windward / Leeward	1139.2	923.6	800.3	716.0	665.1	639.8	617.8
Circular Random	954.5	768.2	667.4	608.3	572.1	549.1	521.7
Coastal / Long Distance	1135.7	866.6	719.0	626.8	580.3	549.3	499.5
Non Spinnaker	1007.0	805.3	694.9	629.5	589.0	563.1	532.8

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	43.5°	41.3°	40.9°	40.5°	39.0°	38.6°	39.4°
Beat VMG	3.06	3.69	4.16	4.55	4.76	4.84	4.85
52°	4.69	5.52	6.19	6.54	6.72	6.81	6.87
60°	4.96	5.82	6.41	6.70	6.88	7.00	7.08
75°	5.16	6.07	6.58	6.84	7.04	7.21	7.46
90°	5.14	6.17	6.72	7.01	7.19	7.30	7.67
110°	5.15	6.22	6.77	7.10	7.40	7.72	8.11
120°	4.97	6.04	6.69	7.03	7.33	7.66	8.31
135°	4.47	5.45	6.34	6.79	7.10	7.41	8.10
150°	3.77	4.77	5.64	6.39	6.80	7.09	7.71
Run VMG	3.26	4.13	4.89	5.62	6.27	6.71	7.29
Gybe Angles	147.0°	152.0°	153.0°	158.0°	180.0°	180.0°	180.0°