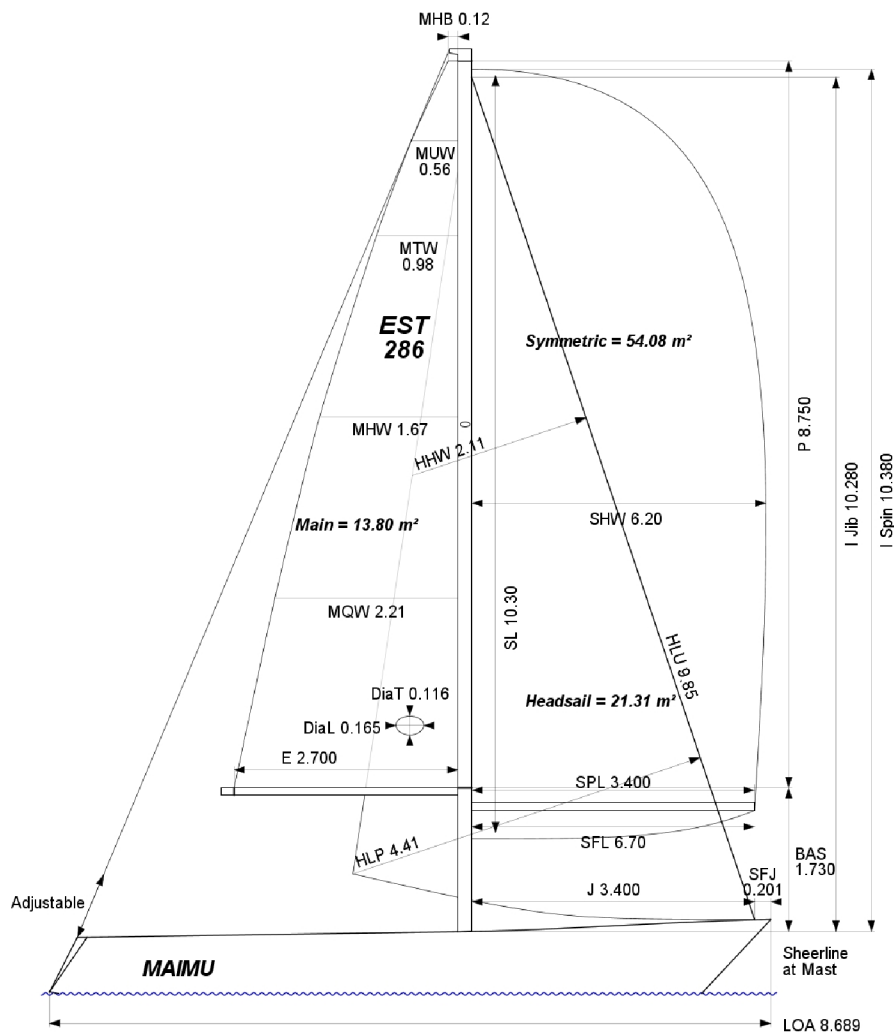




BOAT Name Maimu Sail Nr EST286	GPH 741.9	HULL Data File EST286 LOA 8.689m Offset File E249.BOF MB 2.738m Displacement 3,150kg Draft 1.890m IMS Division Cruiser/Racer Dynamic All. 0.399% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No IMSL 7.612m VCGD 0.199m Sink 11.68kg/mm RL 6.041m VCGM 0.093m WS 16.70m² LSM0 7.657m Displacement/Length ratio 7.0167 Water Ballast Trim Tab No BLR Index 0.0000 CENTERBOARD N/A
CLASS Class KING'S CRUISER 29 Designer A. BATVARF Builder FOY FISKARS Series 03/1978 Age Date 03/1978 Age Allowance 0.487%		Special Scoring ToD ToT Non Spin GPH 784.2 0.7651 Non Spin OSN 754.8 0.7949
COMMENTS OFFSET FILE FROM Pacesetter 28		Sails Limitations Headsails 5 Spinnakers 4
PROPELLER Installation Shaft exposed PRD 0.360 Type Folding 2 blades PIPA 0.0012		Spinnaker configuration Symmetric: Yes 54.08 Asymmetric: No Flying H/S: No Spin. Pole: Yes
		Class Division Length CDL = 6.827

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	717.6			795.3		
Time on Time	0.8361			0.8488		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	855.7	655.3	585.5	1095.4	801.9	690.5
Time on Time	0.7888	1.0300	1.1529	0.6162	0.8418	0.9776



2020 ORC Club Certificate

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



Certificate
Number **100/20**
Issued On **03/07/2020**
ORC Ref **03880000LUV**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight
Default **470kg**
Maximum **320kg**
Minimum* **235kg**
*when applied by the NoR and SI
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **784.2 0.7651**
Non Spin OSN **754.8 0.7949**

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

Spinnaker configuration
Symmetric: **Yes 54.08**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = **6.827**

Stability (Estimated)
Limit Positive Stab.: **102.3°**
Stability Index: **103.8**

BOAT Name Maimu Sail Nr EST286 File EST286 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Club Estimated VCG Flotation date 31/07/2005 SG 1.0252 FFM 0.860 FF 0.870 SFFP 0.920 FAM 0.614 FA 0.619 SAFF 8.238 LCF from stem on CL / on sheer 4.918 / 5.101 Maximum beam station from stem 5.046 RM Measured 41.0kg·m RM Default 39.8kg·m Limit of positive stability / Stab.Index 102.3° / 103.8 Freeboard at mast at 3.601 0.752	
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 No P 8.750 E 2.700 MDT1 0.116 MW IG 10.280 J 3.400 MDL1 0.165 GO ISP 10.380 SFJ 0.201 MDT2 BD BAS 1.730 SPL 3.400 MDL2 MWT FSD -3.000 TPS TL -3.000 MCG		PROPELLER Installation Shaft exposed PRD 0.360 Type Folding 2 blades PBW Twin Screw No PIPA 0.0012 PSA PHL ST3 ESL PSD ST1 ST4 PHD ST2 ST5	
MIZZEN RIG AND SAILS N/A		MOVABLE BALLAST N/A	
COMMENTS OFFSET FILE FROM Pacesetter 28		CENTERBOARD N/A	



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2020
Measurements
Datasheet

Certificate
 Number **100/20**
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EJL
ESTONIAN
YACHTING
UNION

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.12	0.56	0.98	1.67	2.21	13.73										
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.06	0.53	1.04	2.11	3.26	4.41	9.85	130%	21.31		No					* Copied from
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	10.30	10.30	10.30	6.20	6.70	54.08										
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT			
Name	Maimu	Certificate Number	100/20
Sail Nr	EST286	Issued On	03/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1259.8	1050.4	934.7	859.1	825.0	812.4	811.8
52°	835.5	713.0	637.1	600.5	584.5	578.0	575.6
60°	797.9	681.7	615.6	586.1	571.4	563.3	559.5
75°	774.4	658.0	600.1	574.5	559.0	547.6	535.1
90°	771.9	641.2	583.2	566.0	555.3	541.2	517.7
110°	752.3	623.0	571.4	546.5	527.4	516.0	499.0
120°	773.6	635.7	576.2	548.5	525.3	503.4	478.4
135°	852.8	697.1	600.9	563.9	539.5	515.5	470.6
150°	999.9	794.4	670.8	595.9	563.7	541.2	496.7
Run VMG	1154.6	916.8	773.7	675.6	610.1	572.9	528.7
Selected Courses							
Windward / Leeward	1207.2	983.6	854.2	767.3	717.6	692.7	670.3
Circular Random	1024.9	826.3	719.4	657.5	620.1	596.7	570.2
Coastal / Long Distance	1202.0	924.5	769.9	675.2	628.4	595.5	546.7
Non Spinnaker	1101.6	880.6	759.5	687.9	643.8	616.1	584.9

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	42.8°	39.8°	39.8°	39.6°	39.0°	38.4°	38.6°
Beat VMG	2.86	3.43	3.85	4.19	4.36	4.43	4.43
52°	4.31	5.05	5.65	6.00	6.16	6.23	6.25
60°	4.51	5.28	5.85	6.14	6.30	6.39	6.43
75°	4.65	5.47	6.00	6.27	6.44	6.57	6.73
90°	4.66	5.61	6.17	6.36	6.48	6.65	6.95
110°	4.79	5.78	6.30	6.59	6.83	6.98	7.21
120°	4.65	5.66	6.25	6.56	6.85	7.15	7.53
135°	4.22	5.16	5.99	6.38	6.67	6.98	7.65
150°	3.60	4.53	5.37	6.04	6.39	6.65	7.25
Run VMG	3.12	3.93	4.65	5.33	5.90	6.28	6.81
Gybe Angles	147.5°	151.5°	151.0°	159.0°	178.0°	180.0°	180.0°