



EYU
Purje 8
11911, Tallinn
Estonia

Number **EST730**
 Issued On **5/20/2020**
 ORC Ref **035800001JB**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Default	325kg
Maximum	420kg
Minimum*	315kg
*when applied by the NoR and SI	
Non Manual Pwr	No

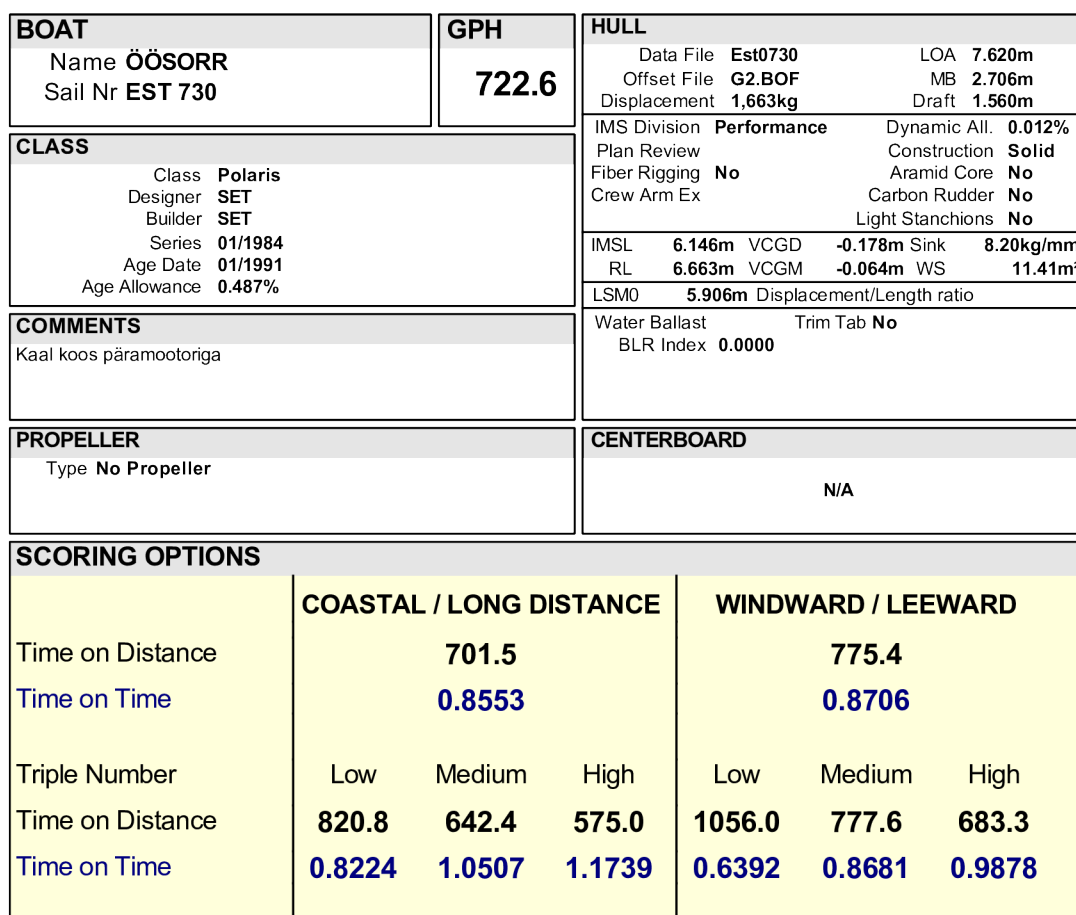
	ToD	ToT
Non Spin GPH	745.0	0.8054
Non Spin OSN	721.2	0.8320

Headsails 5 Spinnakers 4
Woven Polyester

Symmetric:	Yes	33.68
Asymmetric:	No	
Flying H/S:	No	
Spin. Pole:	Yes	

CDL = 6.405

Limit Positive Stab.: **115.2°**
Stability Index: **107.5**



BOAT										INCLINING TEST AND FREEBOARDS									
Name ÖÖSORR					Sail Nr EST 730					Inclining Test Club Estimated VCG									
File Est0730					Data in meters/kilograms					Flotation date 02/06/2014 SG									
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 No					FFM FF 0.857 SFFP 0.500 FAM FA 0.633 SAFP 6.223					LCF from stem on CL / on sheer 4.029 / 4.227 Maximum beam station from stem 4.630 RM Measured 29.7kg·m RM Default 28.9kg·m Limit of positive stability / Stab.Index 115.2° / 107.5 Freeboard at mast at 2.500 0.790									
P 9.300 E 3.500 MDT1 0.075 MW IG 7.950 J 2.500 MDL1 0.115 GO ISP 8.000 SFJ MDT2 0.000 BD BAS 1.000 SPL 2.500 MDL2 0.000 MWT FSD 0.029 TPS TL -2.000 MCG																			
MAZZEN RIG AND SAILS N/A										PROPELLER Type No Propeller									
COMMENTS Kaal koos pāramootoriga										MOVABLE BALLAST N/A									
										CENTERBOARD N/A									
SAILS INVENTORY																			
MAINSAIL (1)																			
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment								
2	0.14	0.71	1.28	2.25	2.99	19.40	EST 1	26/04/2026	Reval Sails	Unknown									
HEADSAILS (2)																			
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment			
2	0.05	0.45	0.88	1.81	2.82	3.83	8.15	153%	15.21	No	EST 1	26/04/2016	Reval Sails	Unknow					
3	0.06	0.45	0.86	1.72	2.70	3.70	7.93	148%	14.24	No	EST 1	15/04/2014	VERF	Unknow					
SYMMETRIC SPINNAKERS (1)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment								
2	8.35	8.35	8.35	4.90	4.60	33.68	EST 1		Reval Sails	Nylon									
ASYMMETRIC SPINNAKERS (0)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment							



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

Certificate
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2020

ORC Club Certificate Appendix

BOAT			
Name	ÖÖSORR	Certificate Number	EST730
Sail Nr	EST 730	Issued On	5/20/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1170.2	981.3	872.4	818.0	801.0	794.6	803.4
52°	773.2	658.6	616.4	595.0	582.8	577.1	574.1
60°	734.1	636.8	603.4	582.2	566.4	557.9	551.9
75°	707.9	625.4	592.8	568.9	547.6	532.0	518.4
90°	715.9	619.4	580.2	550.9	530.0	519.8	491.7
110°	726.8	620.4	579.0	544.9	515.9	491.4	459.1
120°	755.6	633.8	588.0	554.0	523.0	496.3	446.7
135°	848.6	693.8	612.4	577.0	545.3	517.0	466.7
150°	1000.8	794.8	671.8	607.1	574.7	545.0	494.4
Run VMG	1155.6	917.1	770.5	669.8	612.4	579.7	524.7
Selected Courses							
Windward / Leeward	1162.9	949.2	821.5	743.9	706.7	687.1	664.0
Circular Random	987.2	801.0	701.6	644.1	608.8	585.8	556.9
Coastal / Long Distance	1162.2	893.6	747.1	662.4	619.9	587.4	530.2
Non Spinnaker	1026.1	828.8	722.9	661.3	623.5	599.0	569.0

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	41.6°	41.6°	39.4°	37.3°	36.8°	36.6°	37.5°
Beat VMG	3.08	3.67	4.13	4.40	4.49	4.53	4.48
52°	4.66	5.47	5.84	6.05	6.18	6.24	6.27
60°	4.90	5.65	5.97	6.18	6.36	6.45	6.52
75°	5.09	5.76	6.07	6.33	6.57	6.77	6.94
90°	5.03	5.81	6.20	6.54	6.79	6.93	7.32
110°	4.95	5.80	6.22	6.61	6.98	7.33	7.84
120°	4.76	5.68	6.12	6.50	6.88	7.25	8.06
135°	4.24	5.19	5.88	6.24	6.60	6.96	7.71
150°	3.60	4.53	5.36	5.93	6.26	6.61	7.28
Run VMG	3.12	3.93	4.67	5.37	5.88	6.21	6.86
Gybe Angles	149.0°	153.0°	154.0°	173.0°	180.0°	180.0°	180.0°