



ORC

Offshore Racing Congress
World leader in rating technology

2020

ORC Club Certificate

Rating Office EYU Purje 8 11911, Tallinn Estonia

Certificate Number Est301 Issued On 5/25/2020 ORC Ref 035800001SH VPP Ver. 2020 1.02 Valid until 31/12/2020
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Crew Weight Default 515kg Maximum 380kg Minimum* 285kg <i>*when applied by the NoR and SI</i> Non Manual Pwr No

Special Scoring ToD ToT Non Spin GPH 754.1 0.7957 Non Spin OSN 727.4 0.8249

Sails Limitations Headsails 1 Spinnakers 4 Asymmetric on centerline Spinnaker configuration Symmetric: No Asymmetric: Yes 52.68 Flying H/S: No Spin. Pole: No

Class Division Length CDL = 7.243
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Stability (Estimated) Limit Positive Stab.: 119.1° Stability Index: 118.2
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BOAT										INCLINING TEST AND FREEBOARDS									
Name AUGUST					Sail Nr EST 301					Inclining Test Club Estimated VCG									
File Est0301					Data in meters/kilograms					Flotation date 23/10/2019 SG									
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										FFM FF 1.233 SFFP 0.412 FAM FA 1.045 SAFF 8.162 LCF from stem on CL / on sheer 4.860 / 5.105 Maximum beam station from stem 5.747 RM Measured 75.8kg·m RM Default 73.6kg·m Limit of positive stability / Stab.Index 119.1° / 118.2 Freeboard at mast at 3.300 1.102									
P 11.000 E 3.600 MDT1 0.100 MW IG 11.700 J 3.300 MDL1 0.110 GO ISP 11.830 SFJ MDT2 BD 0.120 BAS 1.670 SPL MDL2 MWT FSD TPS 3.500 TL MCG										PROPELLER Installation Shaft exposed PRD 0.300 Type Folding 3 blades PBW Twin Screw PIPA 0.0009 PSA PHL ST3 ESL PSD ST1 ST4 PHD ST2 ST5									
MIZZEN RIG AND SAILS N/A										MOVABLE BALLAST N/A									
COMMENTS 										CENTERBOARD N/A									
SAILS INVENTORY																			
MAINSAIL (2)																			
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment								
2	0.15	0.74	1.34	2.29	3.01	23.41	EST7		WB	Unknown									
1	0.13	0.58	1.11	2.05	2.85	21.61													
HEADSAILS (2)																			
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment			
1	0.04	0.40	0.77	1.63	2.59	3.65	11.00	111%	18.92	No									
2	0.07	0.41	0.78	1.61	2.54	3.45	10.96	105%	18.37	No	EST7			WB	Unknown				
SYMMETRIC SPINNAKERS (0)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment								
ASYMMETRIC SPINNAKERS (2)																			
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment							
1	12.04	10.40	11.22	5.60	5.77	52.68	asym												
1	12.04	10.40	11.22	5.60	5.77	52.68	asym												



2020 Measurements Datasheet

Certificate

Number **Est301**
 ORC Ref **035800001SH**
 Issued On **5/25/2020**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

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ORC Club Certificate Appendix

BOAT								
Name	AUGUST			Certificate Number	Est301			
Sail Nr	EST 301			Issued On	5/25/2020			
TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1259.8	1045.7	927.1	842.3	796.1	784.1	793.7	
52°	817.6	692.6	617.4	575.1	555.5	547.7	547.0	
60°	771.5	656.4	591.0	558.9	541.8	532.5	529.1	
75°	741.0	628.9	571.4	546.0	529.7	516.5	501.2	
90°	714.2	597.3	546.9	523.5	511.2	503.5	482.5	
110°	713.6	593.3	544.5	518.9	496.0	474.6	449.9	
120°	741.3	612.3	552.6	524.7	501.3	477.9	437.4	
135°	824.3	672.3	583.2	542.8	518.5	495.9	453.0	
150°	967.0	771.0	660.2	593.3	556.3	534.1	497.7	
Run VMG	1116.6	890.2	762.3	685.0	626.3	574.4	525.0	
Selected Courses								
Windward / Leeward	1188.2	968.0	844.7	763.7	711.2	679.2	659.4	
Circular Random	995.9	802.3	697.7	636.3	598.8	575.1	549.2	
Coastal / Long Distance	1181.0	906.2	755.5	659.3	607.2	572.0	519.8	
Non Spinnaker	1064.7	849.0	730.1	659.1	615.3	587.9	558.9	
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	44.3°	42.0°	41.3°	41.3°	39.8°	39.6°	40.5°	
Beat VMG	2.86	3.44	3.88	4.27	4.52	4.59	4.54	
52°	4.40	5.20	5.83	6.26	6.48	6.57	6.58	
60°	4.67	5.48	6.09	6.44	6.65	6.76	6.80	
75°	4.86	5.72	6.30	6.59	6.80	6.97	7.18	
90°	5.04	6.03	6.58	6.88	7.04	7.15	7.46	
110°	5.05	6.07	6.61	6.94	7.26	7.59	8.00	
120°	4.86	5.88	6.51	6.86	7.18	7.53	8.23	
135°	4.37	5.35	6.17	6.63	6.94	7.26	7.95	
150°	3.72	4.67	5.45	6.07	6.47	6.74	7.23	
Run VMG	3.22	4.04	4.72	5.26	5.75	6.27	6.86	
Gybe Angles	146.0°	147.0°	146.5°	148.0°	175.0°	177.0°	178.5°	