

BOAT										INCLINING TEST AND FREEBOARDS										
Name Foca					Sail Nr EST532					Inclining Test Club Estimated VCG										
File Est0532					Data in meters/kilograms					Flotation date 25/11/2019 SG										
FFM					FF 0.907					SFFP 0.150										
FAM					FA 0.744					SAFP 6.489										
RIG Forestay Tension Aft Spreaders 2 Inner Stay None Fitted Runners/Checkstays 1 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit Yes										LCF from stem on CL / on sheer 3.666 / 3.949 Maximum beam station from stem 5.400 RM Measured 28.0kg·m RM Default 27.2kg·m Limit of positive stability / Stab.Index 108.9° / 100.6 Freeboard at mast at 2.300 0.832										
P 9.250					E 3.490					MDT1 0.081					MW 0.000					
IG 10.024					J 2.300					MDL1 0.122					GO 0.135					
ISP 10.094					SFJ 0.000					MDT2 0.081					BD					
BAS 0.914					SPL					MDL2 0.122					MWT					
FSD 0.000					TPS 5.000					TL 0.000					MCG					
MIZZEN RIG AND SAILS N/A										PROPELLER Type No Propeller										
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	1.66	1.68	2.26	2.83	3.31	25.06	EST7	14/05/2019												
HEADSAILS (3)																				
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment				
1	0.05	0.73	1.47	2.94	4.42	5.80	9.42	252%	27.62		Yes	EST7	14/05/2019		Kevlar					
2	0.05	0.38	0.77	1.68	2.68	3.70	9.16	161%	16.11		No	EST7	14/05/2019		Kevlar					
3	0.07	0.55	1.08	1.79	2.41	2.94	8.90	128%	14.88	Y	No	EST7	14/05/2019		Kevlar					
SYMMETRIC SPINNAKERS (0)																				
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment									
ASYMMETRIC SPINNAKERS (3)																				
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment								
3	11.45	11.16	11.31	7.16	7.76	68.59	asym	EST7	14/05/2019		Unknown	valge								
1	11.23	10.54	10.89	6.32	7.41	59.31	asym	EST7	14/05/2019		Nylon	sini-roh.								
2	10.77	8.92	9.85	5.29	6.46	45.32	asy82	EST7	14/05/2019		Unknown	punane								



2020 Measurements Datasheet

Certificate

Number
 ORC Ref **03580000J25**
 Issued On **5/28/2020**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

2020

ORC Club Certificate Appendix

BOAT

Name	Foca	Certificate Number	
Sail Nr	EST532	Issued On	5/28/2020

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1018.1	883.4	849.4	838.2	843.6	840.2	846.2
52°	672.4	617.0	601.0	592.0	587.7	588.1	584.4
60°	643.3	597.8	580.3	569.7	561.1	555.4	555.5
75°	623.1	575.3	546.8	532.1	522.6	515.4	505.2
90°	621.3	572.5	529.6	502.9	486.2	474.0	462.4
110°	632.7	567.4	522.5	490.6	465.4	439.9	398.8
120°	644.7	569.3	514.4	475.1	440.8	415.5	369.7
135°	709.1	602.0	538.9	481.8	428.6	387.3	309.9
150°	828.5	669.7	593.9	534.6	483.7	433.7	309.1
Run VMG	956.6	772.9	674.6	607.7	556.6	501.0	356.9
Selected Courses							
Windward / Leeward	987.4	828.1	762.0	723.0	700.1	670.6	601.6
Circular Random	869.0	719.8	642.6	597.8	567.7	543.9	502.6
Coastal / Long Distance	984.3	783.0	691.4	629.8	589.2	548.5	475.0
Non Spinnaker	939.6	770.8	682.7	632.0	599.7	576.5	542.0

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	42.4°	39.0°	37.9°	38.3°	39.0°	39.8°	40.7°
Beat VMG	3.54	4.08	4.24	4.29	4.27	4.28	4.25
52°	5.35	5.83	5.99	6.08	6.13	6.12	6.16
60°	5.60	6.02	6.20	6.32	6.42	6.48	6.48
75°	5.78	6.26	6.58	6.77	6.89	6.99	7.13
90°	5.79	6.29	6.80	7.16	7.40	7.59	7.79
110°	5.69	6.34	6.89	7.34	7.74	8.18	9.03
120°	5.58	6.32	7.00	7.58	8.17	8.66	9.74
135°	5.08	5.98	6.68	7.47	8.40	9.30	11.62
150°	4.35	5.38	6.06	6.73	7.44	8.30	11.65
Run VMG	3.76	4.66	5.34	5.92	6.47	7.19	10.09
Gybe Angles	146.0°	151.0°	158.0°	180.0°	174.0°	151.0°	146.8°