



BOAT	
Name	VESTA
File	EST83
Sail Nr	EST 83
Data in	meters/kilograms

RIG									
Forestay Tension	Aft				Spreaders	3			
Inner Stay	Fixed				Runners/Checkstays	1			
Carbon Mast	No				Jib Furler	No			
Fiber Rigging	No				Main Furler	No			
Non-Circular Rigging	No								
Articulated Bowsprit									
P	15.850	E	4.130	MDT1	0.150	MW	0.000		
IG	17.480	J	5.380	MDL1	0.230	GO	0.000		
ISP	17.620	SFJ		MDT2	0.000	BD			
BAS	1.530	SPL	5.380	MDL2	0.000	MWT	364.00		
FSD	-2.000	TPS		TL	-3.000	MCG	5.520		

INCLINING TEST AND FREEBOARDS				
Inclining Test Enter VCG directly				
Flotation date 14/08/2020		SG 1.0249		
VCGDe 0.108				
FFM 1.348	FF 1.348	SFFP	0.913	
FAM 1.140	FA 1.140	SAFP	12.428	
LCF from stem on CL / on sheer			7.463 / 7.636	
Maximum beam station from stem			7.938	
RM Measured			213.1kg·m	
RM Default			213.2kg·m	
Limit of positive stability / Stab.Index			113.4° / 118.4	
Freeboard at mast at 5.380			1.233	

MIZZEN RIG AND SAILS	
	N/A

PROPELLER							
Installation	Shaft exposed				PRD	0.464	
Type	Feathering 3 blades				PBW	0.120	
Twin Screw	No				PIPA	0.0029	
PSA	18.000	PHL	0.055	ST3	0.110	ESL	0.850
PSD	0.030	ST1	0.022	ST4	0.060		
PHD	0.035	ST2	0.110	ST5	0.200		

COMMENTS	

MOVABLE BALLAST	
	N/A

CENTERBOARD

N/A



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2020

**Measurements
Datasheet**

Certificate
Number 145/20
ORC Ref 03880000OHM
Issued On 14/08/2020
VPP Ver. 2020 1.02
Valid until 31/12/2020



SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.20	0.83	1.45	2.49	3.34	37.44	EST7	13/08/2020		Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	OvrIp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.08	0.87	1.73	3.60	5.57	7.69	17.01	143%	63.06		No	EST7	13/08/2020		Dacron	
2	0.08	0.78	1.55	3.20	4.91	6.70	14.50	125%	47.38		No	EST7	13/08/2020		Unknow	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT

Name **VESTA**
Sail Nr **EST 83**

Certificate Number **145/20**
Issued On **14/08/2020**

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1030.5	857.1	756.3	704.0	683.8	674.4	675.2
52°	674.3	568.7	508.6	484.3	475.1	470.8	468.5
60°	637.2	540.2	491.6	471.6	462.0	457.6	454.5
75°	610.2	520.1	479.9	461.1	449.0	440.2	431.9
90°	617.6	523.0	479.0	458.6	444.5	432.4	413.6
110°	695.5	571.6	498.5	467.4	449.4	433.8	405.4
120°	733.9	606.0	524.3	480.2	457.7	440.9	409.6
135°	859.2	683.0	583.8	515.2	477.4	456.4	424.2
150°	1018.0	783.9	656.0	572.8	512.4	477.3	440.7
Run VMG	1175.5	901.6	744.7	643.7	570.7	516.1	460.4
Selected Courses							
Windward / Leeward	1103.0	879.4	750.5	673.8	627.3	595.3	567.8
Circular Random	901.8	720.9	622.0	563.6	527.6	504.5	477.7
Coastal / Long Distance	1110.3	826.1	672.6	582.3	535.7	502.6	456.4
Non Spinnaker	901.8	720.9	622.0	563.6	527.6	504.5	477.7

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°	41.3°	41.6°	40.9°	39.9°	40.1°	40.5°
Beat VMG	3.49	4.20	4.76	5.11	5.26	5.34	5.33
52°	5.34	6.33	7.08	7.43	7.58	7.65	7.68
60°	5.65	6.66	7.32	7.63	7.79	7.87	7.92
75°	5.90	6.92	7.50	7.81	8.02	8.18	8.33
90°	5.83	6.88	7.52	7.85	8.10	8.33	8.70
110°	5.18	6.30	7.22	7.70	8.01	8.30	8.88
120°	4.91	5.94	6.87	7.50	7.87	8.17	8.79
135°	4.19	5.27	6.17	6.99	7.54	7.89	8.49
150°	3.54	4.59	5.49	6.28	7.03	7.54	8.17
Run VMG	3.06	3.99	4.83	5.59	6.31	6.97	7.82
Gybe Angles	149.0°	156.0°	166.0°	170.0°	171.0°	174.0°	179.0°