



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

EYU
Regati 1
11911, Tallinn
Estonia

Certificate

Number **EST477**
Issued On **5/2/2018**
ORC Ref **EST00000084**
VPP Ver. **2018 1.00**
Valid until **12/31/2018**

Crew Weight

Default	596kg
Maximum	710kg
Minimum*	533kg

*when applied by the NoR and SI

Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	654.1	0.9172
Double H.OSN	636.4	0.9428
Non Spin GPH	685.2	0.8757
Non Spin OSN	661.6	0.9069

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

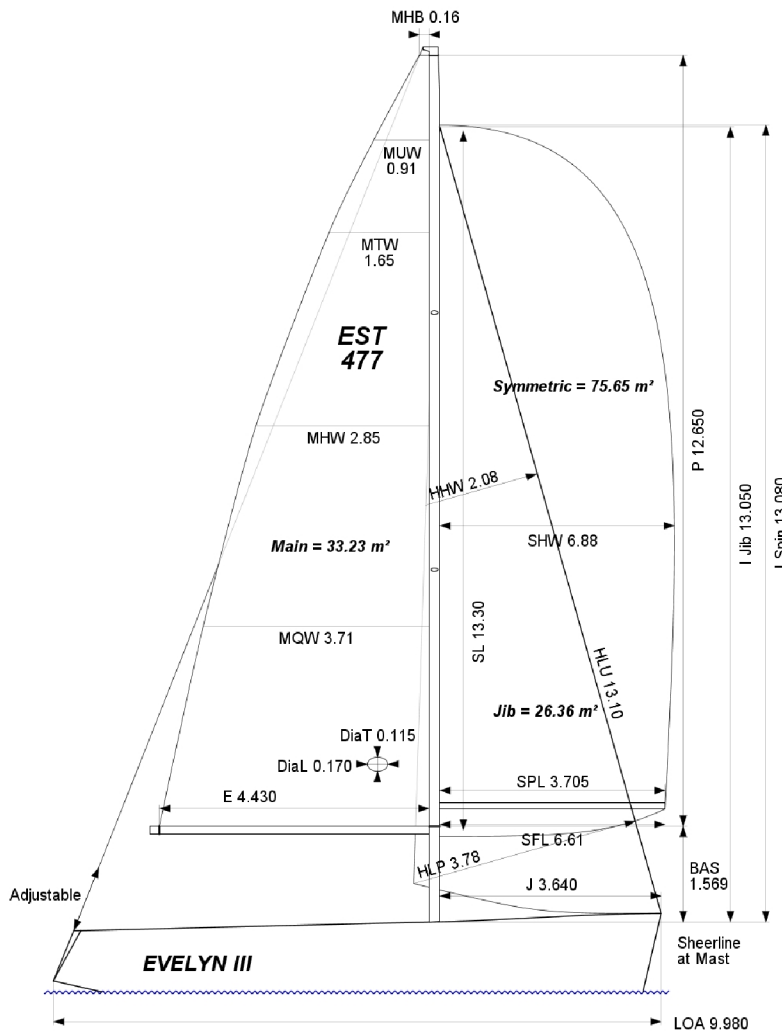
Symmetric: **Yes** **75.65**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 8.576

Stability (Measured)

Limit Positive Stab.: **124.1°**
Stability Index: **124.4**



BOAT		GPH	HULL			
Name	EVELYN III	650.9	Data File	Est0477	LOA	9.980m
Sail Nr	EST 477		Offset File	F235.OFF	MB	3.372m
			Displacement	4,839kg	Draft	2.013m
CLASS			IMS Division	Cruiser/Racer	Dynamic All.	0.233%
Class	First 34.7		Fwd Accom.	No	Construction	Cored
Designer	Farr		Fiber Rigging	No	Aramid Core	No
Builder	Beneteau		Crew Arm Ex		Carbon Rudder	No
Series	10/2005				Light Stanchions	
Age Date	05/2007		IMSL	9.176m	VCGD	-0.036m
Age Allowance	0.422%		RL	7.975m	VCGM	-0.035m
			WS	22.57m²	LSM0	9.036m
			Displacement/Length ratio 6.5588			
COMMENTS			Water Ballast	0	Trim Tab	No
			BLR Index	0.0000		
PROPELLER			CENTERBOARD			
Installation	Strut	PRD	N/A			
Type	Folding 2 blades	PIPA				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	630.7			702.4		
Time on Time	0.9513			0.9610		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	752.4	574.4	511.1	970.0	706.4	610.5
Time on Time	0.8971	1.1752	1.3207	0.6959	0.9555	1.1057

BOAT	
Name EVELYN III	Sail Nr EST 477
File Est0477	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 02/06/2016		SG 1.0000	
FFM 1.285	FF 1.294	SFFP 0.172	
FAM 1.015	FA 1.022	SAFP 9.530	
W1 53.0	PD1 160.0	WD 8.700	
W2 53.0	PD2 160.0	GSA 12.6	
W3 53.0	PD3 161.0	RSA 4298.7	
W4 53.0	PD4 162.0	PLM 2005.0	
LCF from stem on CL / on sheer		5.424 / 5.660	
Maximum beam station from stem		6.642	
RM Measured		100.4kg·m	
RM Default		101.2kg·m	
Limit of positive stability / Stab.Index		124.1° / 124.4	
Freeboard at mast at 3.640		1.153	



2018
Measurements
Datasheet

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 12.650	E 4.430	MDT1 0.115	MW 0.170
IG 13.050	J 3.640	MDL1 0.170	GO 0.192
ISP 13.080	SFJ 0.000	MDT2 0.115	BD 0.130
BAS 1.569	SPL 3.705	MDL2 0.143	MWT 128.00
FSP 0.066	TPS	TL 0.550	MCG 4.650

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.410		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0.0030		
ST1 0.035	ST3 0.180	ST5 0.280	
ST2 0.180	ST4 0.100	EDL 1.790	

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					
2	0.160	0.91	1.65	2.85	3.71	33.23	D206	17/06/2014	North	Carbon						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.11	0.61	1.12	2.08	2.96	3.78	13.10	104%	26.36			Sisil	30/04/2016	NorthSails	Carbon	Carbon
4	0.10	0.61	1.12	2.08	2.97	3.79	13.07	104%	26.34			D206	18/04/2013	NorthSails	Carbon	Carbon
5	0.08	0.46	0.87	1.73	2.64	3.57	12.30	98%	21.73			D206	14/01/2010	NorthSails	Carbon	Carbon
SYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
5	13.30	13.30	13.30	6.88	6.61	75.65	SK60	03/06/2015		Unknown						
4	13.30	13.30	13.30	6.88	6.61	75.65	D206	12/05/2012	NorthSails	Unknown	S3 2012					
1	13.30	13.30	13.30	6.88	6.61	75.65	EST 2	20/04/2011	NorthSails	Unknown	light					
3	12.98	12.98	12.98	6.62	6.60	71.56	HK32	14/04/2007		Unknown	hard					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

MEASUREMENT INVENTORY				
Measurer A. Tetsmann EST 1				
Date 02/06/2016				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	3YM20	
Id	Item	Weight Description		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	Water	Plastic	100.0	4.00		0-0	Fresh water tank,
2	Tank	Fuel	Plastic	60.0	7.55		40-0	Diesel fuel tank
Id	Item	Weight	Distance	VCG Description				
1	Battery		3.65	75 Ah				
2	Battery		4.00	100 Ah				
1	Misc	15.0	7.05	Water heater Quick 25, portside				
2	Misc	10.0	8.15	Shore Power Socket, starboard				
3	Misc	10.0	8.75	Autopilot, portside				
Re	Misc			Stb. aft cabin door missing				



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ORC Club Certificate Appendix

BOAT			
Name	EVELYN III	Certificate Number	EST477
Sail Nr	EST 477	Issued On	5/2/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1116.8	925.0	812.4	747.7	725.1	717.6	713.9
52°	734.8	616.8	550.6	523.2	511.4	507.2	505.6
60°	697.1	587.0	533.7	510.8	498.6	492.9	490.2
75°	668.8	566.0	522.1	500.6	485.4	473.6	462.1
90°	669.5	554.2	509.5	489.3	480.0	465.8	439.5
110°	661.9	547.6	504.1	478.7	455.7	437.4	418.0
120°	681.4	560.7	510.3	483.9	459.0	435.3	398.8
135°	751.2	611.4	534.2	500.9	477.2	453.1	407.7
150°	887.3	704.2	595.8	531.1	500.9	478.7	434.7
Run VMG	1024.6	813.3	687.1	603.4	546.1	510.4	466.5
Selected Courses							
Windward / Leeward	1070.7	869.1	749.8	675.5	635.6	614.0	590.2
Circular Random	901.5	725.7	631.0	576.1	542.6	521.1	494.6
Coastal / Long Distance	1066.1	815.6	675.5	592.6	552.3	521.9	471.6
Non Spinnaker	962.9	769.2	663.4	601.2	563.0	538.8	510.1

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	42.7°	41.2°	41.4°	39.7°	38.9°	39.1°	39.3°
Beat VMG	3.22	3.89	4.43	4.81	4.97	5.02	5.04
52°	4.90	5.84	6.54	6.88	7.04	7.10	7.12
60°	5.16	6.13	6.75	7.05	7.22	7.30	7.34
75°	5.38	6.36	6.89	7.19	7.42	7.60	7.79
90°	5.38	6.50	7.07	7.36	7.50	7.73	8.19
110°	5.44	6.57	7.14	7.52	7.90	8.23	8.61
120°	5.28	6.42	7.05	7.44	7.84	8.27	9.03
135°	4.79	5.89	6.74	7.19	7.54	7.94	8.83
150°	4.06	5.11	6.04	6.78	7.19	7.52	8.28
Run VMG	3.51	4.43	5.24	5.97	6.59	7.05	7.72
Gybe Angles	145.8°	150.3°	151.3°	157.9°	180.0°	180.0°	180.0°