



ORC

Offshore Racing Congress
World leader in rating technology

**2019
ORC Club
Certificate**

Rating Office

**EYU
Purje 8
11911, Tallinn
Estonia**

Certificate

Number **EST477**
Issued On **4/30/2019**
ORC Ref **EST00000510**
VPP Ver. **2019 1.01**
Valid until **12/31/2019**

Crew Weight

Default 596kg
Maximum **640kg**
Minimum* **480kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	658.2	0.9116
Double H.OSN	640.6	0.9366
Non Spin GPH	682.6	0.8790
Non Spin OSN	660.4	0.9085

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 = 8.593

Stability (Measured)

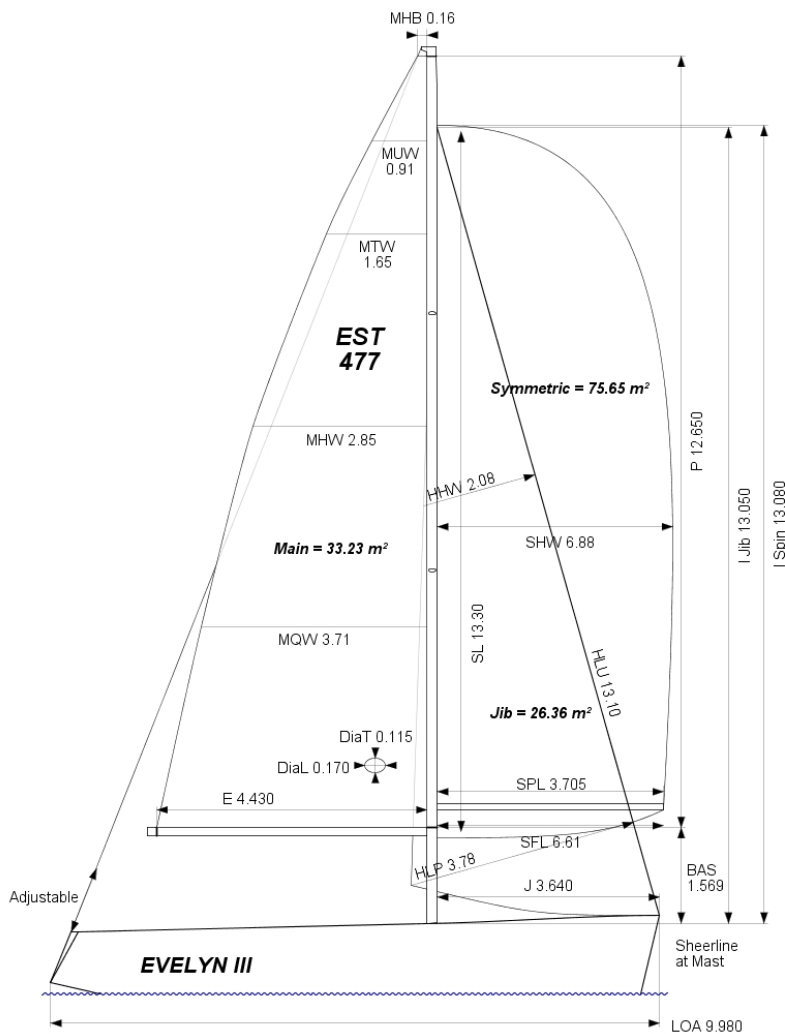
Limit Positive Stab.: **124.1°**
Stability Index: **124.4**

Owner

Dialuks OÜ
Vesiroosi 14, Vaskjala k.
Rae vald, Estonia
SMS / ESS Kalev JK

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT		GPH		HULL		
Name	EVELYN III			Data File	Est0477	
Sail Nr	EST 477			Offset File	F235.OFF	
				Displacement	4,839kg	
				LOA	9.980m	
				MB	3.372m	
				Draft	2.013m	
CLASS				IMS Division	Cruiser/Racer	
Class	First 34.7			Dynamic All.	0.233%	
Designer	Farr			Fwd Accom.	No	
Builder	Beneteau			Construction	Cored	
Series	10/2005			Fiber Rigging	No	
Age Date	05/2007			Aramid Core	No	
Age Allowance	0.455%			Carbon Rudder	No	
				Light Stanchions		
				IMSL	9.176m	
				VCGD	-0.036m	
				Sink	16.76kg/mm	
				RL	8.008m	
				VCGM	-0.035m	
				WS	22.57m²	
				LSM0	9.036m	
				Displacement/Length ratio	6.5588	
				Water Ballast	0	
				Trim Tab	No	
				BLR Index	0.0000	
COMMENTS				CENTERBOARD		
				N/A		
PROPELLER						
Installation	Strut	PRD	0.410			
Type	Folding 2 blades	PIPA	0.0030			
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	629.8			701.3		
Time on Time	0.9528			0.9625		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	746.5	573.6	511.4	964.7	705.1	610.0
Time on Time	0.9042	1.1768	1.3198	0.6997	0.9573	1.1065

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	



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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

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	

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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	0.16	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%	26.35			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	75.66	SK60	03/06/2015		Unknown						
4	13.30	13.30	13.30	6.88	6.61	75.66	D206	12/05/2012	NorthSails	Unknown	S3 2012					
1	13.30	13.30	13.30	6.88	6.61	75.66	EST 2	20/04/2011	NorthSails	Unknown	light					
3	12.98	12.98	12.98	6.62	6.60	71.57	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
1	Engine			YANMAR 3YM20
Id	Item	Weight	Distance	Description

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condn	Description
1	Tank	Water	Plastic	100.0	4.00		0-0	Fresh water tank,
2	Tank	Fuel	Plastic	60.0	7.55		4-0	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				

2019

ORC Club Certificate Appendix

BOAT

Name	EVELYN III	Certificate Number	EST477
Sail Nr	EST 477	Issued On	4/30/2019

TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1105.3	918.2	807.6	746.2	725.0	717.6	711.3
52°	720.9	609.7	549.3	523.0	511.9	507.8	505.5
60°	681.4	579.6	532.6	510.7	499.0	493.7	491.0
75°	653.9	558.5	520.4	500.5	485.6	474.2	463.5
90°	660.6	553.2	509.9	490.8	481.8	466.2	440.5
110°	656.2	545.1	503.8	479.1	456.5	439.6	421.7
120°	676.8	557.9	509.4	483.5	459.3	435.9	401.4
135°	748.0	609.3	533.5	500.5	476.9	452.9	407.8
150°	885.5	703.9	595.4	531.2	501.1	478.9	435.0
Run VMG	1022.5	812.8	686.8	603.7	546.2	510.6	466.6

Selected Courses

Windward / Leeward	1063.9	865.5	747.2	674.9	635.6	614.1	589.0
Circular Random	895.3	722.2	629.2	575.3	542.5	521.3	494.8
Coastal / Long Distance	1059.7	812.1	673.5	592.3	552.6	522.3	472.5
Non Spinnaker	956.2	765.2	661.2	600.1	562.6	538.6	509.8

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	42.9°	41.3°	41.0°	39.5°	38.7°	38.5°	39.0°
Beat VMG	3.26	3.92	4.46	4.82	4.97	5.02	5.06
52°	4.99	5.90	6.55	6.88	7.03	7.09	7.12
60°	5.28	6.21	6.76	7.05	7.21	7.29	7.33
75°	5.51	6.45	6.92	7.19	7.41	7.59	7.77
90°	5.45	6.51	7.06	7.33	7.47	7.72	8.17
110°	5.49	6.60	7.15	7.51	7.89	8.19	8.54
120°	5.32	6.45	7.07	7.45	7.84	8.26	8.97
135°	4.81	5.91	6.75	7.19	7.55	7.95	8.83
150°	4.07	5.11	6.05	6.78	7.18	7.52	8.28
Run VMG	3.52	4.43	5.24	5.96	6.59	7.05	7.71
Gybe Angles	145.6°	150.1°	151.1°	157.9°	180.0°	180.0°	180.0°