



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

EYU
Regati 1
11911, Tallinn
Estonia

Certificate

Number **EST467**
Issued On **4/30/2018**
ORC Ref **EST00000081**
VPP Ver. **2018 1.00**
Valid until **12/31/2018**

Crew Weight

Default 595kg
Maximum **700kg**
Minimum* **525kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	652.8	0.9191
Double H.OSN	634.7	0.9454
Non Spin GPH	687.8	0.8723
Non Spin OSN	663.6	0.9041

Sails Limitations

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

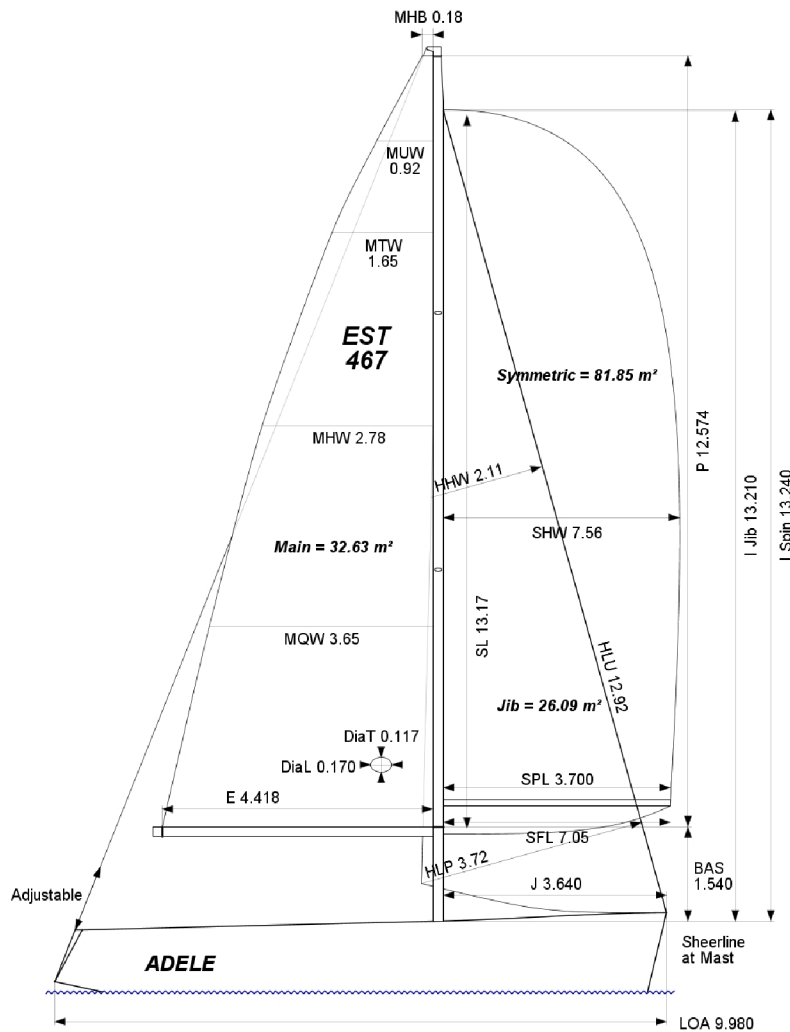
Spinnaker configuration
Symmetric: **Yes** **81.85**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 8.563

Stability (Measured)

Limit Positive Stab.: **125.7°**
Stability Index: **126.0**



BOAT		GPH		HULL			
Name	ADELE			Data File	Est0467		
Sail Nr	EST 467			Offset File	F235.OFF		
		650.1		Displacement	4,820kg		
				LOA	9.980m		
				MB	3.372m		
				Draft	2.011m		
CLASS				IMS Division	Cruiser/Racer		
Class	First 34.7			Dynamic All.	0.228%		
Designer	Farr			Fwd Accom.	No		
Builder	Beneteau			Construction	Cored		
Series	10/2005			Fiber Rigging	No		
Age Date	05/2007			Aramid Core	No		
Age Allowance	0.422%			Carbon Rudder	No		
				Light Stanchions			
				IMSL	9.179m		
				VCGD	-0.069m		
				Sink	16.77kg/mm		
				RL	7.946m		
				VCGM	-0.066m		
				WS	22.54m²		
				LSM0	9.026m		
				Displacement/Length ratio	6.5548		
COMMENTS				Water Ballast	0		
				Trim Tab	No		
				BLR Index	0.0000		
PROPELLER				CENTERBOARD			
Installation	Strut	PRD	0.410				
Type	Folding 2 blades	PIPA	0.0036	N/A			
SCORING OPTIONS							
		COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance		629.7			701.1		
Time on Time		0.9528			0.9628		
Triple Number		Low	Medium	High	Low	Medium	High
Time on Distance		752.1	573.5	509.8	970.2	705.1	608.7
Time on Time		0.8975	1.1769	1.3240	0.6957	0.9573	1.1090

BOAT	
Name ADELE	Sail Nr EST 467
File Est0467	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 15/05/2008		SG 1.0020	
FFM 1.288	FF 1.300	SFFP 0.172	
FAM 1.014	FA 1.019	SAFP 9.530	
W1 62.6	PD1 220.0	WD 10.260	
W2 62.6	PD2 216.0	GSA 12.6	
W3 62.6	PD3 217.0	RSA 4298.7	
W4 62.6	PD4 219.0	PLM 2005.0	
LCF from stem on CL / on sheer		5.432 / 5.668	
Maximum beam station from stem		6.642	
RM Measured		103.1kg·m	
RM Default		100.8kg·m	
Limit of positive stability / Stab.Index		125.7° / 126.0	
Freeboard at mast at 3.640		1.157	



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 12.574	E 4.418	MDT1 0.117	MW 0.170
IG 13.210	J 3.640	MDL1 0.170	GO 0.192
ISP 13.240	SFJ 0.000	MDT2 0.117	BD
BAS 1.540	SPL 3.700	MDL2 0.135	MWT 129.10
FSP 0.070	TPS	TL 0.750	MCG 4.540

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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 0.0036		
ST1 0.120	ST3 0.180	ST5 0.180	
ST2 0.180	ST4 0.110	EDL 1.800	

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					
5	0.180	0.92	1.65	2.78	3.65	32.63	EST 1	09/06/2017		Unknown						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
7a	0.11	0.61	1.14	2.11	2.99	3.72	12.92	102%	26.09	Y		EST 7	24/04/2018		Unknown	Unknow
SYMMETRIC SPINNAKERS (5)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
6a	13.17	13.17	13.17	7.56	7.05	81.85	EST 7	24/04/2018		Unknown						
5	13.10	13.10	13.10	6.84	6.55	74.04			OneSails	Unknown	S2					
4	13.10	13.10	13.10	6.82	6.50	73.75	EST 2	27/07/2013		Unknown						
2	12.98	12.98	12.98	6.59	6.34	70.74				Unknown						
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					
Comment					
Id	Item	Weight	Distance	VCG	Description
4	Anchor	48.0	3.75		Anchor
4	Tools	7.5	5.70		Tools, portside
Id	Item	Maker	Model		
1	Engine	Yanmar	3YM20		
Id	Item	Weight	Description		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condn	Description
1	Tank	Water		100.0	4.00			Water tabk, portside
2	Tank	Fuel		60.0	7.55			Fuel tank, starboard
Id	Item	Weight	Distance	VCG Description				
1	Battery		3.80	Battery Tudor 70Ah, portside				
2	Battery		4.10	Battery Varta 90Ah, portside				
1	Misc		7.00	Heater 15,0				
2	Misc		8.15	Shore power 10,0				



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ORC Club Certificate Appendix

BOAT			
Name	ADELE	Certificate Number	EST467
Sail Nr	EST 467	Issued On	4/30/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1124.5	930.0	816.5	749.1	724.2	716.0	713.1
52°	739.5	620.2	552.7	523.9	511.2	506.7	505.3
60°	701.4	590.2	535.3	511.6	498.8	492.3	489.3
75°	673.0	568.7	523.4	501.5	486.0	473.7	461.1
90°	668.1	552.9	509.0	490.5	481.1	466.6	439.4
110°	657.4	544.4	502.1	476.8	454.1	438.1	418.6
120°	675.3	556.2	507.9	481.3	455.7	432.2	399.0
135°	742.7	604.6	530.0	498.0	473.9	449.2	403.0
150°	881.4	699.8	590.6	527.3	498.2	475.7	431.0
Run VMG	1017.8	808.5	681.6	598.5	543.1	508.3	464.0
Selected Courses							
Windward / Leeward	1071.1	869.2	749.1	673.8	633.6	612.2	588.6
Circular Random	901.0	725.0	630.2	575.1	541.5	519.9	493.3
Coastal / Long Distance	1065.8	815.4	674.8	591.6	550.8	520.3	470.8
Non Spinnaker	968.3	772.8	665.8	602.7	564.0	539.3	510.3

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°	38.8°	39.0°	39.2°
Beat VMG	3.20	3.87	4.41	4.81	4.97	5.03	5.05
52°	4.87	5.80	6.51	6.87	7.04	7.11	7.12
60°	5.13	6.10	6.73	7.04	7.22	7.31	7.36
75°	5.35	6.33	6.88	7.18	7.41	7.60	7.81
90°	5.39	6.51	7.07	7.34	7.48	7.72	8.19
110°	5.48	6.61	7.17	7.55	7.93	8.22	8.60
120°	5.33	6.47	7.09	7.48	7.90	8.33	9.02
135°	4.85	5.95	6.79	7.23	7.60	8.01	8.93
150°	4.08	5.14	6.10	6.83	7.23	7.57	8.35
Run VMG	3.54	4.45	5.28	6.01	6.63	7.08	7.76
Gybe Angles	145.9°	150.2°	150.5°	157.9°	180.0°	180.0°	180.0°