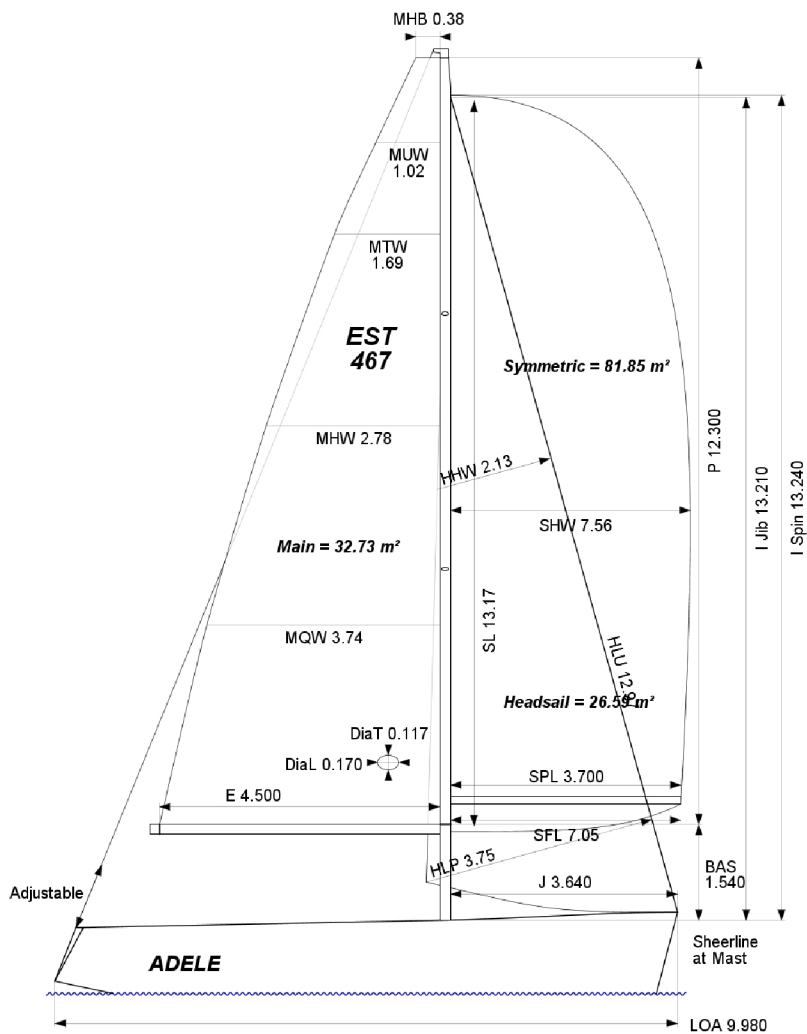




BOAT		GPH	HULL	
Name	ADELE	643.5	Data File	EST467 LOA 9.980m
Sail Nr	EST 467		Offset File	F235.OFF MB 3.372m
			Displacement	4,470kg Draft 1.991m
CLASS				
Class	First 34.7			
Designer	Farr			
Builder	Beneteau			
Series	10/2005			
Age Date	05/2007			
Age Allowance	0.487%			
COMMENTS				
PROPELLER		CENTERBOARD		
Installation	Strut	PRD	0.410	N/A
Type	Folding 2 blades	PIPA	0.0036	

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	624.8			697.0		
Time on Time	0.9603			0.9684		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	740.0	569.0	507.2	957.3	699.6	607.9
Time on Time	0.9122	1.1862	1.3308	0.7051	0.9648	1.1104



Rating Office
Estonian Yachting Union
 Purje 8, maja 3
 11911 Tallinn
 Estonia



Certificate
 Number **019/20**
 Issued On **05/06/2020**
 ORC Ref **03880000JWE**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight
 Default **584kg**
 Maximum **705kg**
 Minimum* **529kg**
 *when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring
 ToD ToT
 Non Spin GPH **679.8 0.8826**
 Non Spin OSN **658.1 0.9117**

Sails Limitations
 Headsails **5** Spinnakers **4**

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

Class Division Length
CDL = 8.543

Stability (Measured)
 Limit Positive Stab.: **124.9°**
 Stability Index: **124.0**

BOAT

Name **ADELE**
File **EST467**

Sail Nr **EST 467**
Data in **meters/kilograms**

RIG

Forestay Tension **Aft**
Inner Stay **None Fitted**
Carbon Mast **No**
Fiber Rigging **No**
Non-Circular Rigging **No**
Articulated Bowsprit **No**

Spreaders **2**
Runners/Checkstays **0**
Jib Furler **No**
Main Furler **No**

P **12.300** E **4.500** 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**
FSD **0.035** TPS TL **0.475** MCG **4.540**

INCLINING TEST AND FREEBOARDS

Inclining Test **Current Inclining**
Flotation date **10/07/2019** SG **1.0000**

FFM **1.303** FF **1.310** SFFP **0.172**
FAM **1.041** FA **1.050** SAFF **9.530**

W1 **65.1** PD1 **565.8** WD **10.550**
W2 **65.1** PD2 **565.3** GSA **1.0**
W3 **65.1** PD3 **564.5** RSA **1.0**
W4 **65.1** PD4 **565.5** PLM **9000.0**

LCF from stem on CL / on sheer **5.376 / 5.611**
Maximum beam station from stem **6.642**
RM Measured **95.7kg·m**
RM Default **97.1kg·m**
Limit of positive stability / Stab.Index **124.9° / 124.0**
Freeboard at mast at 3.640 **1.174**

MIZZEN RIG AND SAILS

N/A

COMMENTS

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**

MOVABLE BALLAST

N/A

CENTERBOARD

N/A

Certificate

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ESTONIAN YACHTING UNION

SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
6	0.38	1.02	1.69	2.78	3.74	32.73		08/04/2019		Unknown	P12,30;E4,50

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
8	0.13	0.66	1.20	2.13	3.01	3.75	12.97	103%	26.59		No		08/04/2019		Unknown	
6	0.11	0.58	1.09	2.07	2.97	3.72	12.90	102%	25.73	Y	No				Unknown	
4	0.10	0.49	0.91	1.76	2.66	3.57	12.27	98%	21.96		No		26/05/2010		Unknown	

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
6a	13.17	13.17	13.17	7.56	7.05	81.86		24/04/2018		Unknown	
4	13.10	13.10	13.10	6.82	6.50	73.76		27/07/2013		Unknown	
2	12.98	12.98	12.98	6.59	6.34	70.75				Unknown	
3	13.02	13.02	13.02	6.00	6.50	66.19		30/07/2012	OneSails	Unknown	S3

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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MEASUREMENT INVENTORY

Measurer
Date
Comment
Internal Ballast total = 0.0

Id	Item	Weight	Distance	VCG	Description
SaS	Tools	18.0	7.55	0.00	Sailor-Services

Id	Item	Weight	Description
----	------	--------	-------------

MEASUREMENT INVENTORY

Id	Item	Weight	Distance	VCG	Description
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ORC Club Certificate Appendix

BOAT			
Name	ADELE	Certificate Number	019/20
Sail Nr	EST 467	Issued On	05/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1105.5	916.6	804.9	745.2	726.3	720.0	712.8
52°	718.9	605.3	546.5	521.2	510.9	507.1	504.0
60°	677.8	574.8	530.0	508.7	497.0	492.1	490.2
75°	648.9	554.0	517.7	497.7	481.9	469.8	460.0
90°	656.3	548.8	507.5	490.1	477.4	460.2	433.7
110°	647.3	538.7	499.3	472.9	449.5	435.1	414.5
120°	665.6	549.5	504.3	476.8	450.0	425.7	393.9
135°	733.7	596.3	525.9	494.5	468.5	442.6	393.9
150°	871.7	693.4	584.3	524.1	495.2	471.2	424.5
Run VMG	1006.6	800.6	674.7	594.1	539.9	505.9	459.1
Selected Courses							
Windward / Leeward	1056.1	858.6	739.8	669.6	633.1	612.9	586.0
Circular Random	887.8	716.2	624.1	570.8	538.2	517.0	489.6
Coastal / Long Distance	1051.1	805.2	667.2	588.1	548.7	517.9	467.4
Non Spinnaker	952.4	762.0	658.4	597.6	560.2	536.1	506.6

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	43.1°	41.6°	41.3°	39.8°	39.4°	39.4°	39.4°
Beat VMG	3.26	3.93	4.47	4.83	4.96	5.00	5.05
52°	5.01	5.95	6.59	6.91	7.05	7.10	7.14
60°	5.31	6.26	6.79	7.08	7.24	7.32	7.34
75°	5.55	6.50	6.95	7.23	7.47	7.66	7.83
90°	5.49	6.56	7.09	7.34	7.54	7.82	8.30
110°	5.56	6.68	7.21	7.61	8.01	8.27	8.69
120°	5.41	6.55	7.14	7.55	8.00	8.46	9.14
135°	4.91	6.04	6.84	7.28	7.68	8.13	9.14
150°	4.13	5.19	6.16	6.87	7.27	7.64	8.48
Run VMG	3.58	4.50	5.34	6.06	6.67	7.12	7.84
Gybe Angles	145.5°	150.0°	150.0°	158.0°	180.0°	180.0°	180.0°