

BOAT Name POSTIMEES SAILING TEAM Sail Nr EST 850	GPH 600.9	HULL Length Overall 11.312m Maximum Beam 3.640m Displacement 5,927kg Draft 1.987m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.063% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder Yes Crew Arm Extension
GENERAL Class ONE OFF Designer CYD Builder RIDAS YACHT OÜ Series 04/2018 Age 04/2018 Age Allowance 0.033% Offset File est850.off - 11/06/2018 19:58:42 Measurement by - 25/06/2019		IMSL 10.171m VCGD 0.016m Sink 21.07kg/mm RL 8.959m VCGM 0.080m WS 27.34m² LSM0 9.959m Displacement/Length ratio 6.0005



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	584.8			656.1		
Time on Time	1.0260			1.0288		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	689.1	532.1	474.9	893.6	657.8	574.7
Time on Time	0.9795	1.2686	1.4215	0.7554	1.0262	1.1745

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1025.2	845.6	745.8	705.5	690.4	685.2	677.2
52°	665.4	559.0	506.2	485.8	479.2	476.3	471.6
60°	625.2	532.3	490.9	472.7	465.0	461.3	457.3
75°	595.3	513.6	480.1	460.9	446.4	437.8	431.7
90°	602.1	514.1	474.4	452.5	440.3	423.4	402.8
110°	606.7	504.6	465.4	439.3	418.9	399.7	377.9
120°	623.0	513.7	470.0	442.4	416.0	393.0	358.3
135°	687.9	557.6	490.9	460.0	433.9	408.7	359.9
150°	820.3	655.0	550.4	490.6	461.8	437.6	391.9
Run VMG	947.2	756.3	635.6	558.9	509.9	474.8	427.8

Certificate
Number **EST850**
ORC Ref **EST00000820**
Issued On **31/07/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **684kg**
Maximum **765kg**
Minimum* **574kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Double H.GPH **610.8 0.9823**
Double H.OSN **596.2 1.0064**
Non Spin GPH **634.2 0.9461**
Non Spin OSN **616.3 0.9735**

Selected Courses							
Windward / Leeward	986.2	801.0	690.7	632.2	600.1	580.0	552.5
Circular Random	827.1	668.0	582.9	533.8	503.7	483.7	457.6
Coastal / Long Distance	982.3	751.5	622.5	551.6	514.8	484.5	434.2
Non Spinnaker	886.3	709.9	614.3	558.4	524.1	501.7	473.4

Sails Limitations
Headsails **5** Spinnakers **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	43.4°	42.1°	41.2°	40.1°	40.4°	40.3°	40.8°
Beat VMG	3.51	4.26	4.83	5.10	5.21	5.25	5.32
52°	5.41	6.44	7.11	7.41	7.51	7.56	7.63
60°	5.76	6.76	7.33	7.62	7.74	7.80	7.87
75°	6.05	7.01	7.50	7.81	8.06	8.22	8.34
90°	5.98	7.00	7.59	7.96	8.18	8.50	8.94
110°	5.93	7.13	7.74	8.19	8.59	9.01	9.53
120°	5.78	7.01	7.66	8.14	8.65	9.16	10.05
135°	5.23	6.46	7.33	7.83	8.30	8.81	10.00
150°	4.39	5.50	6.54	7.34	7.80	8.23	9.19
Run VMG	3.80	4.76	5.66	6.44	7.06	7.58	8.41
Gybe Angles	140.3°	148.5°	149.1°	156.4°	172.4°	180.0°	180.0°

Class Division Length
CDL = **9.566**

Storm Sails Areas
Heavy Weather Jib **30.07**
Storm Jib (JL=9.71) **11.14**
Storm Trysail **12.85**

Owner

BOAT			
Name	POSTIMEES	Sail Nr	EST 850
File	Est0850	Data in	meters/kilograms

RIG			
Forestay Tension	Aft & Forward	Spreaders	2
Inner Stay	None Fitted	Runners	0
Carbon Mast	Yes	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	14.255	E	5.150
IG	14.840	J	4.430
ISP	14.880	SFJ	0.230
BAS	1.810	SPL	4.650
FSP	0.068	TPS	4.470
MDT1	0.122	MW	0.175
MDL1	0.210	GO	0.200
MDT2	0.104	BD	0.300
MDL2	0.143	MWT	138.00
TL	2.520	MCG	4.720

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date		31/05/2018	SG
			1.0000
FFM	1.135	FF	1.143
FAM	0.724	FA	0.731
SFFP	0.000	SAFP	11.312
W1	90.5	PD1	562.8
W2	90.5	PD2	560.5
W3	90.5	PD3	567.3
W4	90.5	PD4	561.6
WD	12.220	GSA	1.0
RSA	1.0	PLM	9000.0
LCF from stem on CL / on sheer		6.290 / 6.510	
Maximum beam station from stem		8.500	
RM Measured		154.7kg·m	
RM Default		162.7kg·m	
Limit of positive stability / Stab.Index		120.0° / 119.5	
Freeboard at mast at 4.660		1.342	



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MIZZEN RIG AND SAILS			
N/A			

PROPELLER			
Installation	Strut	PRD	0.405
Type	Folding 2 blades	PBW	0.106
Twin Screw	No	PIPA	0.0036
ST1	0.050	ST3	0.180
ST2	0.180	ST4	0.110
ST5	0.300	EDL	1.830

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COMMENTS			

MOVABLE BALLAST			
N/A			

CENTERBOARD			
N/A			

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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.400	1.21	2.03	3.34	4.33	44.45	45.47	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	110.21		SL · (SFL + 4·SHW) / 6	
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	71.84	82.30	AS · (SFL + 4·SHW) / 6	

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.11	0.83	1.51	2.62	3.62	4.72	14.60	36.88			25/06/2019	Unknow	Light 2019
0.13	0.76	1.41	2.56	3.66	4.73	14.38	35.94	N	N	25/06/2019	Unknow	JibTop
0.12	0.77	1.45	2.56	3.59	4.70	14.40	35.80	N	N	25/06/2019	Unknow	Light/Medium 3Di
0.10	0.80	1.47	2.53	3.52	4.66	14.42	35.51	N	N	25/06/2019	Unknow	Medium 3Di
0.12	0.78	1.48	2.57	3.55	4.45	13.96	34.13	N	N	25/06/2019	Unknow	J-Light Sugar
0.10	0.58	1.10	2.13	3.19	4.26	13.31	28.56	N	N	25/06/2019	Unknow	Heavy 3Di
0.08	0.47	0.86	1.69	2.59	3.50	13.20	22.90	N	N		Unknow	Staysail

MEASUREMENT INVENTORY				
Measurer	EST 7			
Date	31/05/2018			
Comment	Tallinn - Pirta			
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM30AE	
Id	Item	Weight Description		

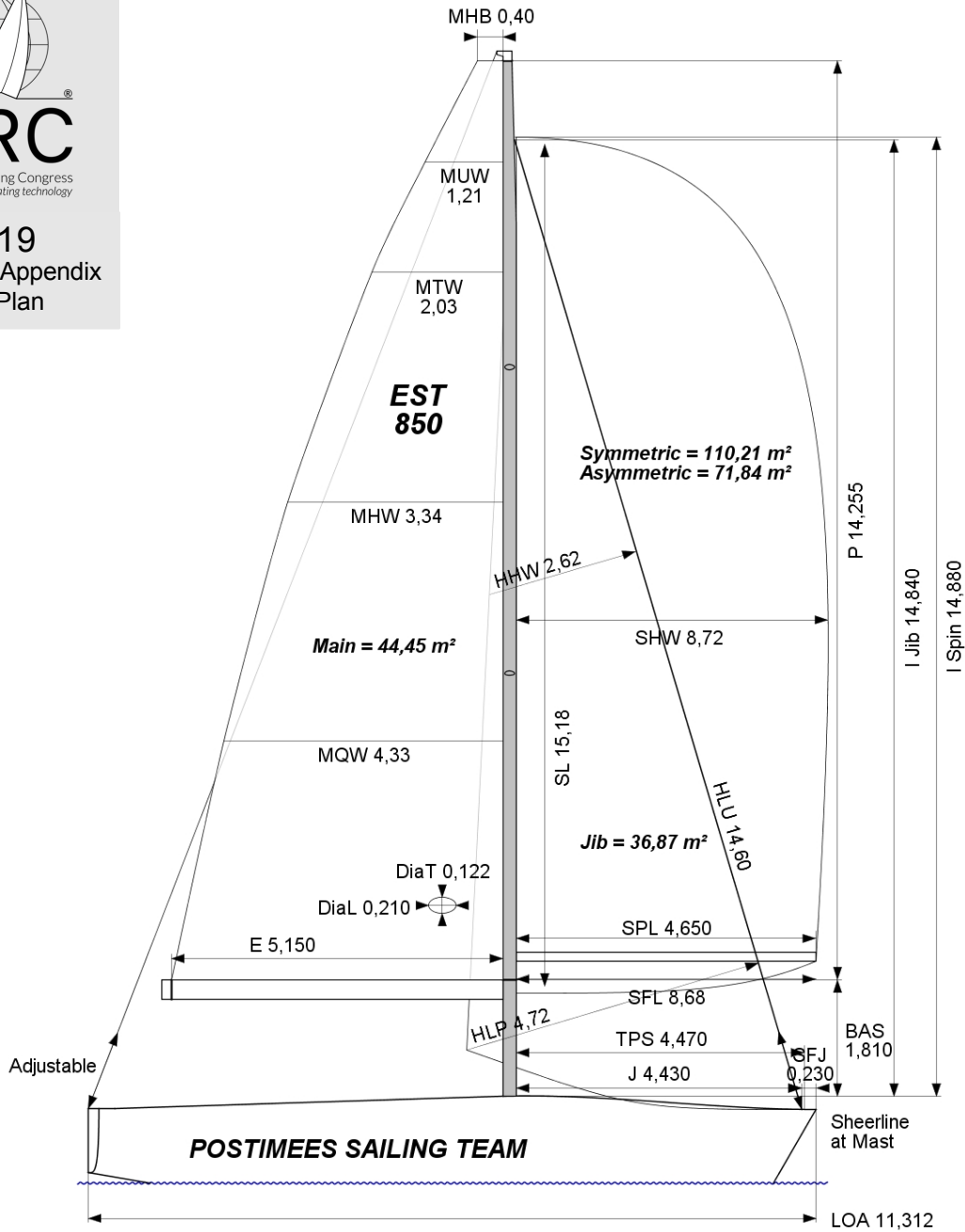
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank fuel		st.steel	80.0	9.36		5-0
2	Tank water		neopr. bag	55.0	5.76		0-0 ports.
3	Tank sewage		neopr. bag	55.0	3.76		0-0 ports.
Id	Item	Weight	Distance	VCG Description			
1	Battery		8.36	2x105 Ah "Banner"			
1	Misc		10.30	autopilot "Jefa"			
2	Misc		10.80	"Eberspächer"			



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1a	0.40	1.21	2.03	3.34	4.33	44.45		25/06/2019	NorthSails	Carbon	3Di 780					
2a	0.17	0.95	1.71	3.07	4.15	41.33		25/06/2019	NorthSails	Unknown	3Di Nordac					
HEADSAILS (7)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
8	0.11	0.83	1.51	2.62	3.62	4.72	14.38	107%	36.88				25/06/2019	North Sails	Unknow	Light 2019
7a	0.13	0.76	1.41	2.56	3.66	4.73	14.38	107%	35.94	N	N		25/06/2019	North Sails	Unknow	JibTop
2a	0.12	0.77	1.45	2.56	3.59	4.70	14.40	106%	35.80	N	N		25/06/2019	North Sails	Unknow	Light/Medium 3Di
3a	0.10	0.80	1.47	2.53	3.52	4.66	14.42	105%	35.51	N	N		25/06/2019	North Sails	Unknow	Medium 3Di
6a	0.12	0.78	1.48	2.57	3.55	4.45	13.96	100%	34.13	N	N		25/06/2019	North Sails	Unknow	J-Light Sugar
4a	0.10	0.58	1.10	2.13	3.19	4.26	13.31	96%	28.56	N	N		25/06/2019	North Sails	Unknow	Heavy 3Di
5	0.08	0.47	0.86	1.69	2.59	3.50	13.20	79%	22.90	N	N				Unknow	Staysail
SYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
5	15.18	15.18	15.18	8.72	8.68	110.21		18/06/2019		Unknown	S1					
2a	14.92	14.92	14.92	8.87	8.40	109.12		25/06/2019		Unknown	S2					
4a	14.60	14.60	14.60	8.44	8.07	101.79		25/06/2019		Unknown	S2 Sugar					
3a	14.95	14.95	14.95	8.05	8.57	101.59		25/06/2019		Unknown	S3					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	15.20	13.76	14.48	5.60	7.37	71.85	asym		25/06/2019	NorthSails	Unknown					