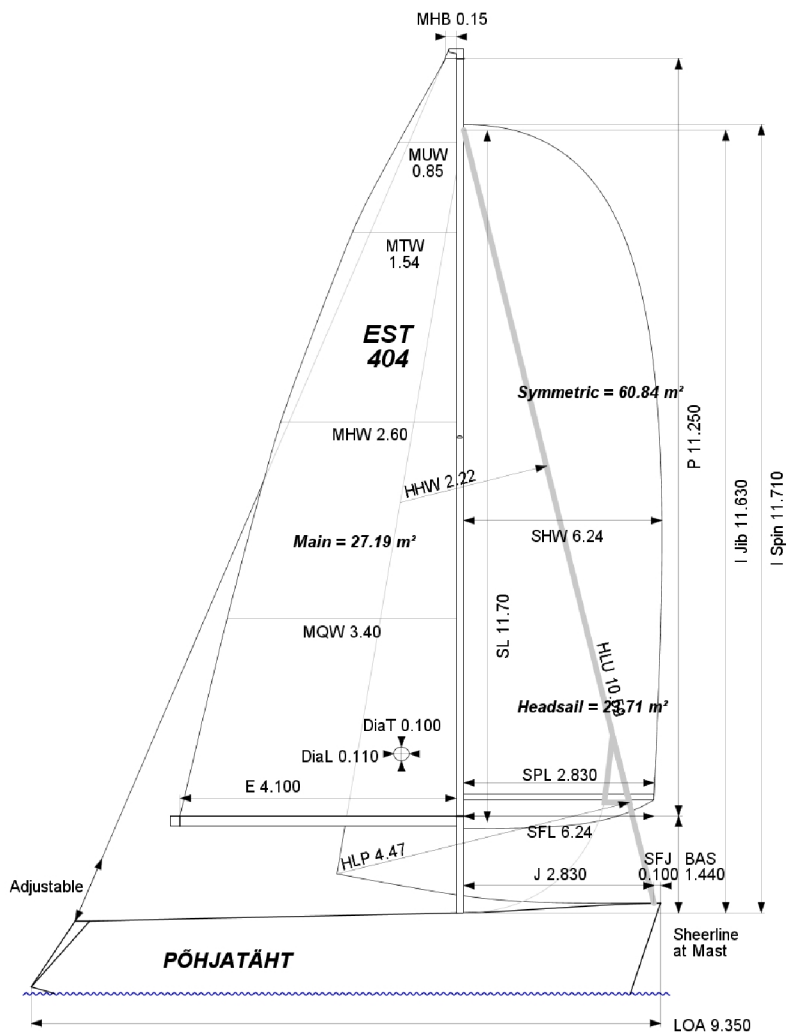




BOAT		GPH		HULL			
Name	PÕHJATÄHT	699.6		Data File	EST404	LOA	9.350m
Sail Nr	EST404			Offset File	BAVA30CL.OFF	MB	3.290m
				Displacement	4,960kg	Draft	1.903m
CLASS				IMS Division	Cruiser/Racer	Dynamic All.	0.500%
	Class	BAVARIA 30 CR		Plan Review		Construction	Cored
	Designer	JACOPIN		Fiber Rigging	No	Aramid Core	No
	Builder	BAVARIA YACHTING		Crew Arm Ex		Carbon Rudder	No
	Series	01/2005				Light Stanchions	No
	Age Date	01/2005		IMSL	8.455m	VCGD	-0.075m Sink 15.71kg/mm
	Age Allowance	0.487%		RL	6.762m	VCGM	-0.164m WS 20.93m
COMMENTS				LSM0	8.464m	Displacement/Length ratio 8.1800	
				Water Ballast		Trim Tab	No
				BLR Index	0.0000		
PROPELLER				CENTERBOARD			
Installation	Strut	PRD	0.411				
Type	Folding 2 blades	PIPA	0.0027	N/A			

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	678.6			752.5		
Time on Time	0.8842			0.8970		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	807.9	619.0	545.6	1040.7	761.9	645.7
Time on Time	0.8355	1.0904	1.2371	0.6486	0.8859	1.0454

ORC
Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

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

ESTONIAN
YACHTING
UNION

Certificate
Number **018/20**
Issued On **16/06/2020**
ORC Ref **03880000KOI**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default	543kg
Maximum	500kg
Minimum*	375kg

*when applied by the NoR and SI
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 731.1	0.8207
Non Spin OSN 706.2	0.8496

Sails Limitations

Headsails **1** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes** **60.84**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.606

Stability (Estimated)

Limit Positive Stab.: **130.7°**
Stability Index: **132.1**

BOAT Name PÖHJATÄHT Sail Nr EST404 File EST404 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 05/06/2020 SG 1.0245 VCGDe -0.075 FFM 1.327 FF 1.327 SFFP 0.473 FAM 1.075 FA 1.075 SAFF 8.478 LCF from stem on CL / on sheer 5.098 / 5.353 Maximum beam station from stem 5.650 RM Measured 106.8kg·m RM Default 84.9kg·m Limit of positive stability / Stab.Index 130.7° / 132.1 Freeboard at mast at 2.930 1.201														
RIG Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler Yes Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No P 11.250 E 4.100 MDT1 0.100 MW IG 11.630 J 2.830 MDL1 0.110 GO ISP 11.710 SFJ 0.100 MDT2 BD BAS 1.440 SPL 2.830 MDL2 MWT FSD 0.030 TPS TL MCG		PROPELLER Installation Strut PRD 0.411 Type Folding 2 blades PBW Twin Screw No PIPA 0.0027 ST1 0.042 ST3 0.180 ST5 0.100 ST2 0.180 ST4 0.112 EDL 0.400														
MIZZEN RIG AND SAILS N/A		MOVABLE BALLAST N/A														
COMMENTS 		CENTERBOARD N/A														
SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.15	0.85	1.54	2.60	3.40	27.19				Unknown						
1	0.15	0.83	1.53	2.62	3.39	27.17										
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.07	0.58	1.11	2.22	3.36	4.47	10.59	158%	23.71		No					Unknown
2	0.07	0.56	1.07	2.15	3.29	4.50	10.62	159%	23.40		No					
1	0.06	0.51	0.97	2.00	3.07	4.16	10.45	147%	21.34		No					
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
3	11.70	11.70	11.70	6.24	6.24	60.84				Unknown						
2	11.26	11.26	11.26	6.33	5.83	58.46										
1	10.50	10.50	10.50	5.90	5.90	51.63										
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

Certificate
Number **018/20**
ORC Ref **03880000KOI**
Issued On **16/06/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



EJL
ESTONIAN
YACHTING
UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	PÖHJATÄHT	Certificate Number	018/20
Sail Nr	EST404	Issued On	16/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1194.5	1000.8	890.6	812.0	767.1	748.9	746.0
52°	780.9	666.8	596.9	562.7	545.5	535.8	530.6
60°	740.1	632.9	574.9	548.9	533.5	523.1	514.5
75°	711.9	607.4	559.9	537.6	522.3	509.3	489.5
90°	715.5	598.2	546.5	522.9	506.8	499.0	477.5
110°	710.6	590.7	542.1	517.4	496.0	475.5	448.7
120°	732.9	607.3	548.9	522.2	500.3	478.4	441.6
135°	805.8	665.8	576.3	538.6	515.8	494.4	453.3
150°	948.6	756.0	643.8	571.0	537.9	516.5	476.3
Run VMG	1095.3	871.9	741.0	647.5	582.6	545.4	503.6
Selected Courses							
Windward / Leeward	1144.9	936.4	815.8	729.8	674.8	647.2	624.8
Circular Random	967.5	780.4	678.9	618.8	581.5	557.4	528.7
Coastal / Long Distance	1139.9	878.8	733.2	639.3	589.6	556.9	507.1
Non Spinnaker	1023.7	820.3	708.7	641.8	599.9	572.7	541.9

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	42.8°	41.3°	41.3°	40.5°	39.0°	38.3°	38.3°
Beat VMG	3.01	3.60	4.04	4.43	4.69	4.81	4.83
52°	4.61	5.40	6.03	6.40	6.60	6.72	6.78
60°	4.86	5.69	6.26	6.56	6.75	6.88	7.00
75°	5.06	5.93	6.43	6.70	6.89	7.07	7.35
90°	5.03	6.02	6.59	6.88	7.10	7.22	7.54
110°	5.07	6.09	6.64	6.96	7.26	7.57	8.02
120°	4.91	5.93	6.56	6.89	7.20	7.52	8.15
135°	4.47	5.41	6.25	6.68	6.98	7.28	7.94
150°	3.80	4.76	5.59	6.31	6.69	6.97	7.56
Run VMG	3.29	4.13	4.86	5.56	6.18	6.60	7.15
Gybe Angles	147.0°	152.0°	153.5°	159.0°	180.0°	180.0°	180.0°