



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 **071/20**
Issued On **19/06/2020**
ORC Ref **03880000L23**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 657kg
Maximum **550kg**
Minimum* **413kg**
*when applied by the NoR and SI
Non Manual Pwr

Special Scoring

ToD ToT
Non Spin GPH **760.2 0.7893**
Non Spin OSN **731.5 0.8203**

Sails Limitations

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

Spinnaker configuration

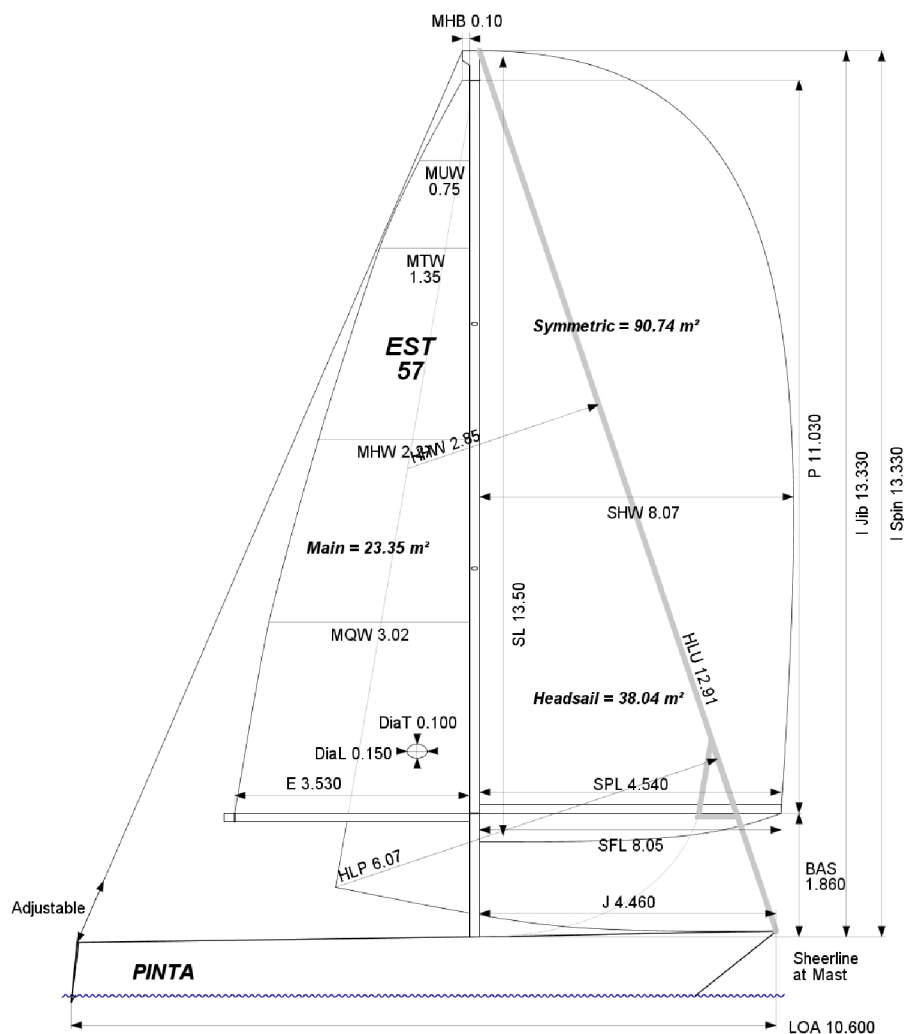
Symmetric: **Yes 90.74**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = 7.715

Stability (Estimated)

Limit Positive Stab.: **96.0°**
Stability Index: **100.6**



BOAT		GPH	HULL					
Name	Pinta	716.6	Data File	EST57	LOA	10.600m		
Sail Nr	EST 57		Offset File	TAURUS-F.OFF	MB	3.680m		
			Displacement	7,900kg	Draft	2.093m		
CLASS			IMS Division	Cruiser/Racer	Dynamic All.	0.630%		
	Class	TAURUS	Plan Review		Construction	Solid		
	Designer	Gogolkewich	Fiber Rigging	No	Aramid Core	No		
	Builder	Teliga yard Poland	Crew Arm Ex		Carbon Rudder	No		
	Series	01/1974			Light Stanchions	No		
	Age Date	01/1975	IMSL	9.307m	VCGD	0.200m Sink	22.73kg/mm	
	Age Allowance	0.487%	RL	6.127m	VCGM	0.171m	WS	30.15m
			LSM0	9.681m	Displacement/Length ratio		8.7070	
COMMENTS			Water Ballast		Trim Tab	No		
			BLR Index	0.0000				
PROPELLER			CENTERBOARD					
Installation	Shaft exposed	PRD	0.428					
Type	Feathering 2 blades	PBW	0.158	N/A				
		PIPA	0.0037					

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	692.3			771.0		
Time on Time	0.8667			0.8755		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	849.8	630.3	536.1	1098.1	787.6	636.2
Time on Time	0.7943	1.0709	1.2592	0.6147	0.8570	1.0610

BOAT Name Pinta Sail Nr EST 57 File EST57 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 19/06/2020 SG 1.0247 VCGDe 0.200 FFM 0.953 FF 0.953 SFFP 0.968 FAM 0.778 FA 0.778 SAFF 10.482 LCF from stem on CL / on sheer 6.423 / 6.658 Maximum beam station from stem 6.480 RM Measured 200.9kg·m RM Default 175.1kg·m Limit of positive stability / Stab.Index 96.0° / 100.6 Freeboard at mast at 4.460 0.884														
RIG Forestay Tension Aft Spreaders 2 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 11.030 E 3.530 MDT1 0.100 MW IG 13.330 J 4.460 MDL1 0.150 GO ISP 13.330 SFJ MDT2 BD BAS 1.860 SPL 4.540 MDL2 MWT FSD TPS TL MCG																
MIZZEN RIG AND SAILS N/A		PROPELLER Installation Shaft exposed PRD 0.428 Type Feathering 2 blades PBW 0.158 Twin Screw No PIPA 0.0037 PSA 17.000 PHL 0.101 ST3 0.082 ESL 0.895 PSD 0.030 ST1 0.020 ST4 0.060 PHD 0.054 ST2 0.082 ST5 0.205														
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					
1	0.10	0.75	1.35	2.27	3.02	23.35	EST 5			Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.12	0.72	1.40	2.85	4.42	6.07	12.91	136%	38.04		No	EST 5			Dacron	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	13.50	13.50	13.50	8.07	8.05	90.75	EST 5			Nylon						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2020
Measurements
Datasheet

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EJL
ESTONIAN
YACHTING
UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	Pinta	Certificate Number	071/20
Sail Nr	EST 57	Issued On	19/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1291.1	1059.2	936.9	853.1	783.0	734.4	700.2
52°	833.7	699.4	623.3	571.3	540.7	522.7	507.0
60°	785.2	664.6	592.9	550.3	527.0	511.8	494.3
75°	754.7	640.6	571.4	535.6	516.0	502.2	480.2
90°	758.1	626.5	549.5	514.7	496.8	488.2	475.3
110°	737.4	608.6	538.4	507.5	487.1	468.7	442.3
120°	760.9	622.9	546.3	511.9	490.5	471.1	436.2
135°	842.3	679.1	580.8	530.3	504.6	485.2	448.1
150°	990.6	778.2	654.6	576.9	530.5	506.6	471.1
Run VMG	1143.8	898.6	755.0	659.6	592.8	544.2	497.2
Selected Courses							
Windward / Leeward	1217.5	978.9	846.0	756.3	687.9	639.3	598.7
Circular Random	1011.9	807.9	694.6	625.4	580.4	550.1	513.8
Coastal / Long Distance	1210.1	917.7	756.1	652.2	589.6	547.1	494.5
Non Spinnaker	1087.9	862.7	736.2	657.8	606.2	571.0	527.8

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	44.3°	42.8°	41.6°	41.6°	40.9°	39.0°	37.5°
Beat VMG	2.79	3.40	3.84	4.22	4.60	4.90	5.14
52°	4.32	5.15	5.78	6.30	6.66	6.89	7.10
60°	4.58	5.42	6.07	6.54	6.83	7.03	7.28
75°	4.77	5.62	6.30	6.72	6.98	7.17	7.50
90°	4.75	5.75	6.55	6.99	7.25	7.37	7.57
110°	4.88	5.92	6.69	7.09	7.39	7.68	8.14
120°	4.73	5.78	6.59	7.03	7.34	7.64	8.25
135°	4.27	5.30	6.20	6.79	7.13	7.42	8.03
150°	3.63	4.63	5.50	6.24	6.79	7.11	7.64
Run VMG	3.15	4.01	4.77	5.46	6.07	6.62	7.24
Gybe Angles	147.0°	150.0°	151.5°	155.0°	171.0°	180.0°	180.0°