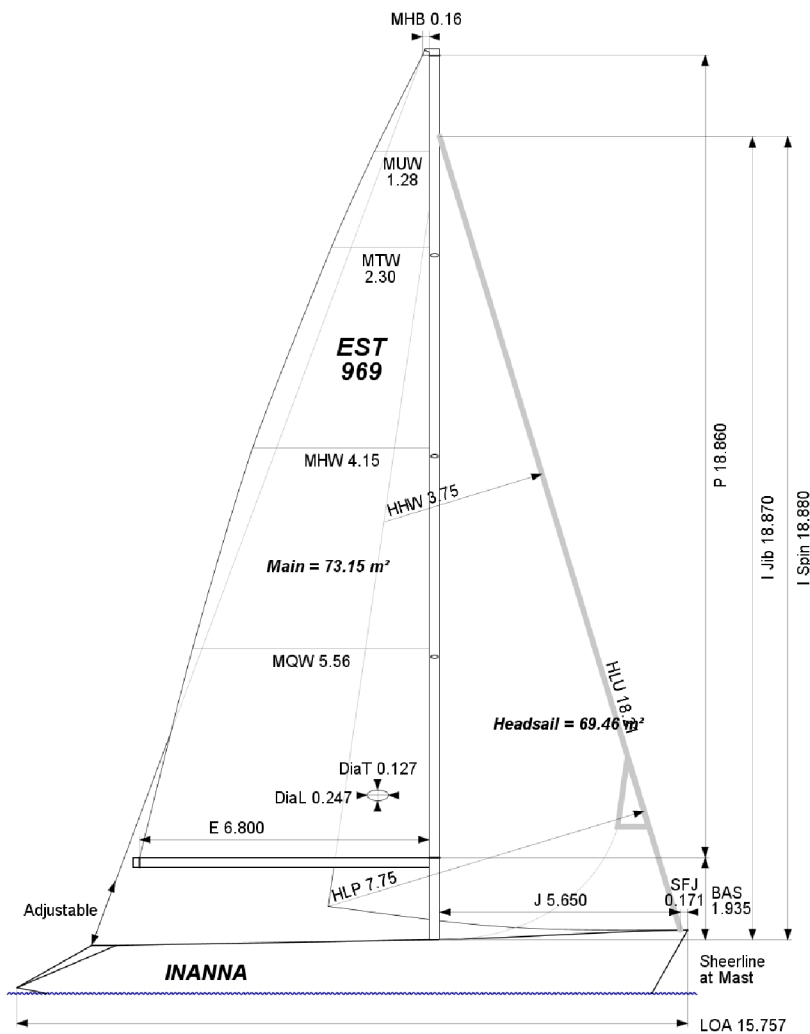




BOAT		GPH	HULL	
Name	INANNA	593.3	Data File	EST969
Sail Nr	EST 969		Offset File	F044.OFF
CLASS			Displacement	14,712kg
Class	First 53 F5		LOA	15.757m
Designer	B. FARR		MB	4.502m
Builder	Beneteau		Draft	2.569m
Series	04/1991, CIN 44-J35I3535JJ24		IMS Division	Cruiser/Racer
Age Date	01/1992		Plan Review	Dynamic All. 0.285%
Age Allowance	0.487%		Fiber Rigging	No
COMMENTS			Crew Arm Ex	Construction Solid
PROPELLER				Aramid Core No
Installation	Shaft exposed	PRD 0.500		Carbon Rudder No
Type	Solid 2 blades	PBW 0.150		Light Stanchions No
		PIPA 0.0261		
SCORING OPTIONS			CENTERBOARD	
			N/A	

		COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance		574.7			645.6		
Time on Time		1.0440			1.0456		
Triple Number		Low	Medium	High	Low	Medium	High
Time on Distance		714.7	517.4	441.7	947.9	654.0	532.9
Time on Time		0.9445	1.3045	1.5282	0.7121	1.0321	1.2667



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



Certificate
 Number 099/20
 Issued On 02/07/2020
 ORC Ref 03880000LSQ
 VPP Ver. 2020 1.02
 Valid until 31/12/2020

Crew Weight
 Default 1,111kg
 Maximum 600kg
 Minimum* 450kg
 *when applied by the NoR and SI
 Non Manual Pwr

Special Scoring
 ToD ToT
 Non Spin GPH 593.3 1.0113
 Non Spin OSN 574.7 1.0440

Sails Limitations
 Headsails 1 Spinnakers 0

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

Class Division Length
 CDL = 12.487

Stability (Estimated)
 Limit Positive Stab.: 124.3°
 Stability Index: 132.8

BOAT Name INANNA Sail Nr EST 969 File EST969 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 29/06/2020 SG 1.0244 VCGDe -0.270 FFM 1.473 FF 1.473 SFFP 1.000 FAM 1.122 FA 1.122 SAFP 13.421 LCF from stem on CL / on sheer 8.647 / 8.938 Maximum beam station from stem 9.287 RM Measured 561.1kg·m RM Default 425.3kg·m Limit of positive stability / Stab.Index 124.3° / 132.8 Freeboard at mast at 5.821 1.269														
RIG Forestay Tension Aft Spreaders 3 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 18.860 E 6.800 MDT1 0.127 MW IG 18.870 J 5.650 MDL1 0.247 GO ISP 18.880 SFJ 0.171 MDT2 BD BAS 1.935 SPL 5.530 MDL2 MWT FSD TPS TL MCG																
MIZZEN RIG AND SAILS N/A		PROPELLER Installation Shaft exposed PRD 0.500 Type Solid 2 blades PBW 0.150 Twin Screw No PIPA 0.0261 PSA PHL ST3 ESL PSD ST1 ST4 PHD ST2 ST5														
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	0.16	1.28	2.30	4.15	5.56	73.16	EST5	25/06/2020		Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.07	0.93	1.83	3.75	5.75	7.75	18.21	137%	69.46		No	EST5	25/06/2020		Dacron	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
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 **099/20**
ORC Ref **03880000LSQ**
Issued On **02/07/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**



ESTONIAN
YACHTING
UNION

2020

ORC Club Certificate Appendix

BOAT			
Name	INANNA	Certificate Number	099/20
Sail Nr	EST 969	Issued On	02/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	993.7	804.8	699.1	638.9	609.8	594.8	583.2
52°	639.6	528.8	466.9	437.3	424.3	418.4	413.2
60°	598.3	501.2	448.1	424.8	413.1	406.8	400.9
75°	567.0	479.8	435.3	415.1	402.6	392.8	380.6
90°	572.0	482.4	435.0	413.2	399.0	386.7	364.9
110°	641.9	526.5	456.6	422.3	404.3	389.5	359.4
120°	685.4	554.2	480.7	436.5	413.5	397.6	366.6
135°	817.2	638.8	540.1	476.5	436.1	413.9	383.1
150°	979.5	747.3	616.5	533.9	476.7	438.0	399.7
Run VMG	1131.1	862.3	706.4	605.1	533.8	481.7	419.8
Selected Courses							
Windward / Leeward	1062.4	833.6	702.8	622.0	571.8	538.3	501.5
Circular Random	847.9	671.6	573.8	514.9	477.7	453.0	422.3
Coastal / Long Distance	1069.2	781.1	626.1	533.0	485.2	451.7	405.1
Non Spinnaker	847.9	671.6	573.8	514.9	477.7	453.0	422.3

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	44.3°	42.8°	41.3°	40.9°	39.8°	39.0°	38.6°
Beat VMG	3.62	4.47	5.15	5.63	5.90	6.05	6.17
52°	5.63	6.81	7.71	8.23	8.48	8.60	8.71
60°	6.02	7.18	8.03	8.47	8.71	8.85	8.98
75°	6.35	7.50	8.27	8.67	8.94	9.16	9.46
90°	6.29	7.46	8.28	8.71	9.02	9.31	9.87
110°	5.61	6.84	7.88	8.52	8.90	9.24	10.02
120°	5.25	6.50	7.49	8.25	8.71	9.06	9.82
135°	4.41	5.64	6.67	7.56	8.25	8.70	9.40
150°	3.68	4.82	5.84	6.74	7.55	8.22	9.01
Run VMG	3.18	4.17	5.10	5.95	6.74	7.47	8.57
Gybe Angles	146.0°	152.0°	160.0°	168.0°	172.0°	174.0°	179.0°