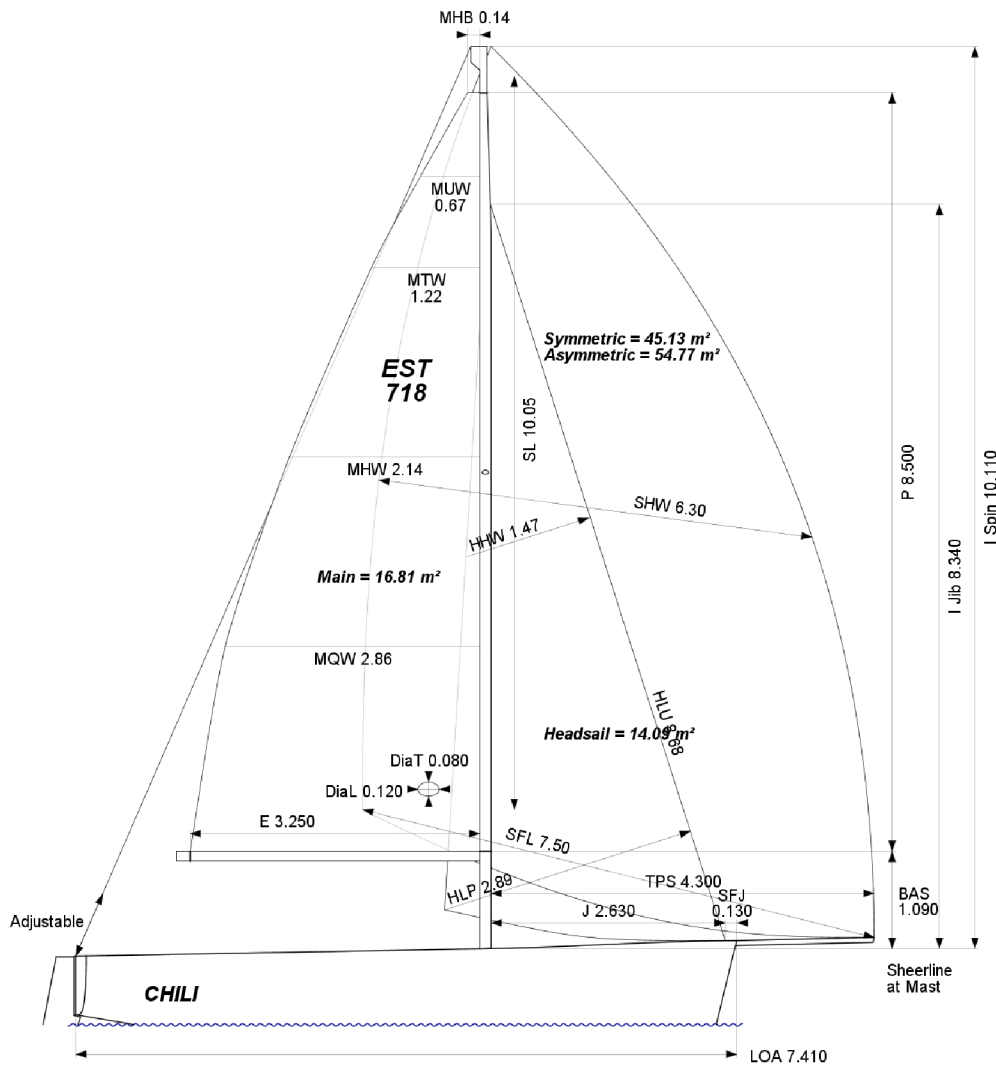




BOAT	GPH	HULL
Name CHILI	679.0	Data File EST718 LOA 7.410m
Sail Nr EST718		Offset File MAK7Race.off MB 2.474m
		Displacement 1,350kg Draft 1.559m
CLASS		IMS Division Sportboat Dynamic All. 0.000%
		Plan Review Construction Cored
		Fiber Rigging No Aramid Core No
		Crew Arm Ex Carbon Rudder No
		Light Stanchions No
COMMENTS		IMSL 7.235m VCGD -0.700m Sink 8.68kg/mm
		RL 7.089m VCGM -0.606m WS 11.46m²
		LSM0 7.116m Displacement/Length ratio 3.7465
		Water Ballast Trim Tab No
		BLR Index 0.0000
PROPELLER		CENTERBOARD
		N/A

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	658.7			737.4		
Time on Time	0.9108			0.9154		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	776.2	604.4	526.2	1001.8	741.5	644.3
Time on Time	0.8696	1.1169	1.2829	0.6738	0.9103	1.0477



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



Certificate
 Number **133/20**
 Issued On **04/08/2020**
 ORC Ref **03880000NVS**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight
 Default **424kg**
 Maximum **375kg**
 Minimum* **281kg**
 *when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring
 ToD ToT
 Non Spin GPH **728.9 0.8232**
 Non Spin OSN **703.1 0.8534**

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

Asymmetric on centerline
Spinnaker configuration
 Symmetric: **Yes 45.13**
 Asymmetric: **Yes 54.77**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
 CDL = **7.153**

Stability (Estimated)
 Limit Positive Stab.: **138.5°**
 Stability Index: **130.9**

BOAT Name CHILI Sail Nr EST718 File EST718 Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Enter VCG directly Flotation date 23/10/2019 SG 1.0250 VCGDe -0.700		 ORC Offshore Racing Congress World leader in rating technology 2020 Measurements Datasheet
RIG Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit		FFM 0.938 FF 0.938 SFFP 0.200 FAM 0.729 FA 0.729 SAFF 7.420 LCF from stem on CL / on sheer 4.412 / 4.540 Maximum beam station from stem 4.815 RM Measured 37.3kg·m RM Default 25.2kg·m Limit of positive stability / Stab.Index 138.5° / 130.9 Freeboard at mast at 2.760 0.854		
P 8.500 E 3.250 MDT1 0.080 MW 0.120 IG 8.340 J 2.630 MDL1 0.120 GO 0.130 ISP 10.110 SFJ 0.130 MDT2 0.080 BD 0.110 BAS 1.090 SPL 2.710 MDL2 0.080 MWT FSD TPS 4.300 TL 1.570 MCG				
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller		
COMMENTS 1350 weight		MOVABLE BALLAST N/A		Certificate Number 133/20 ORC Ref 03880000NVS Issued On 04/08/2020 VPP Ver. 2020 1.02 Valid until 31/12/2020  ESTONIAN YACHTING UNION
		CENTERBOARD N/A		

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.14	0.67	1.22	2.14	2.86	16.81										
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.06	0.39	0.74	1.47	2.89	2.89	8.68	110%	14.09		No					
1	0.08	0.34	0.63	1.26	1.95	2.68	8.25	102%	10.79		No					
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	9.50	9.50	9.50	5.80	5.30	45.13										
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	11.10	9.00	10.05	6.30	7.50	54.78	asy84									

2020

ORC Club Certificate Appendix

BOAT			
Name	CHILI	Certificate Number	133/20
Sail Nr	EST718	Issued On	04/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1178.4	973.9	859.4	793.1	765.5	757.0	763.2
52°	772.0	647.8	596.5	571.5	555.1	546.7	544.2
60°	731.2	621.5	582.2	558.7	538.4	523.5	515.8
75°	703.5	604.3	569.4	545.3	518.4	494.7	468.7
90°	663.4	578.9	541.3	517.3	501.6	482.7	435.9
110°	654.2	571.0	527.0	484.5	451.0	429.1	393.2
120°	677.3	578.7	534.4	489.0	445.3	406.6	357.4
135°	759.1	617.3	560.2	518.2	475.2	431.7	346.5
150°	893.0	713.4	612.9	566.8	530.8	493.0	411.6
Run VMG	1031.1	823.7	707.7	631.5	578.8	544.4	475.3
Selected Courses							
Windward / Leeward	1104.8	898.8	783.6	712.3	672.1	650.7	619.3
Circular Random	933.7	755.9	659.7	602.2	564.6	537.9	499.9
Coastal / Long Distance	1097.4	843.7	709.0	626.5	578.2	538.2	470.5
Non Spinnaker	1021.7	817.8	706.5	640.0	597.4	568.3	529.5

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°	40.5°	37.9°	37.1°	36.8°	37.5°
Beat VMG	3.05	3.70	4.19	4.54	4.70	4.76	4.72
52°	4.66	5.56	6.03	6.30	6.49	6.59	6.62
60°	4.92	5.79	6.18	6.44	6.69	6.88	6.98
75°	5.12	5.96	6.32	6.60	6.95	7.28	7.68
90°	5.43	6.22	6.65	6.96	7.18	7.46	8.26
110°	5.50	6.30	6.83	7.43	7.98	8.39	9.15
120°	5.32	6.22	6.74	7.36	8.08	8.85	10.07
135°	4.74	5.83	6.43	6.95	7.58	8.34	10.39
150°	4.03	5.05	5.87	6.35	6.78	7.30	8.75
Run VMG	3.49	4.37	5.09	5.70	6.22	6.61	7.57
Gybe Angles	145.2°	147.5°	149.0°	166.0°	180.0°	180.0°	138.5°