



2020
ORC Club
Certificate

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate
Number **01166**
Issued On **26/06/2020**
ORC Ref **0342000LIF**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	524kg
Maximum	490kg
Minimum*	368kg

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

Special Scoring

ToD	ToT
Non Spin GPH 750.8	0.7991
Non Spin OSN 723.8	0.8289

Sails Limitations

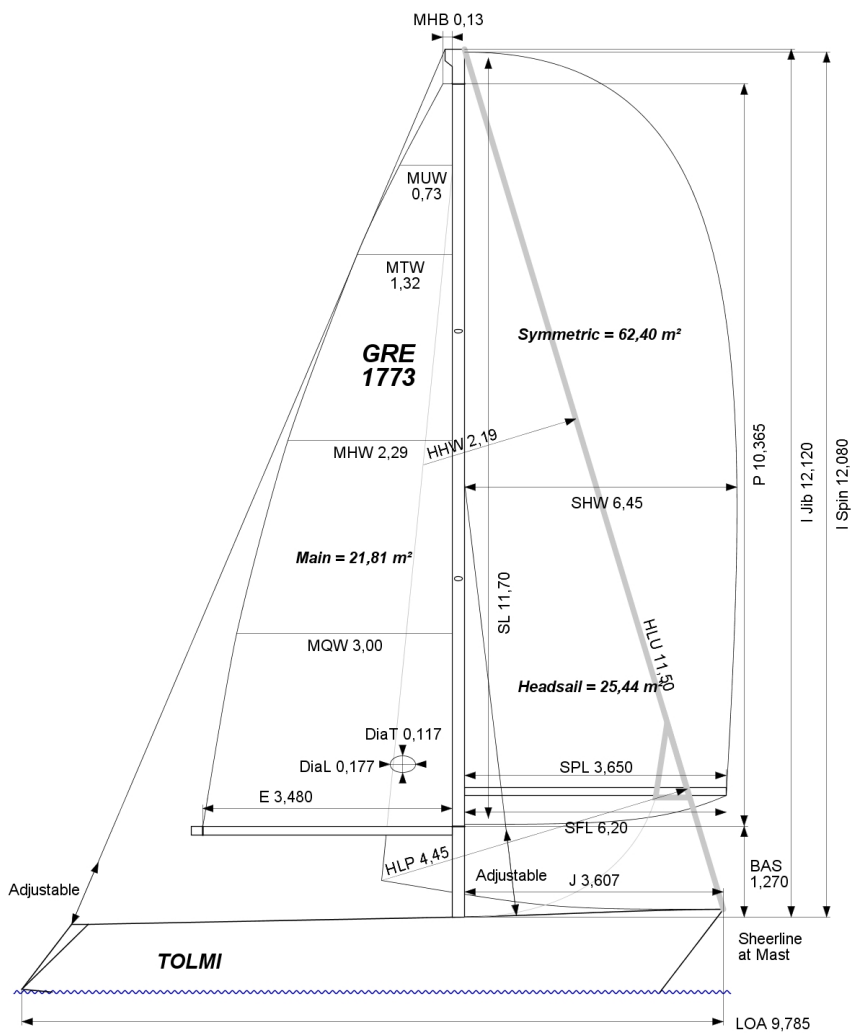
Headsails **1** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes** **62.40**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = **7.468**

Stability (Estimated)
Limit Positive Stab.: **115.3°**
Stability Index: **116.3**

Owner



BOAT Name TOLMI Sail Nr GRE-1773		GPH 713.2	HULL Data File GR1773 LOA 9.785m Offset File H107.BOF MB 3.316m Displacement 4,935kg Draft 1.847m				
CLASS Class FIRST 32 Designer BERRET Builder BENETEAU Series 01/1980 Age Date 01/1983 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.482% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 8.507m VCGD -0.051m Sink 15.29kg/mm RL 6.428m VCGM 0.029m WS 21.43m² LSMO 8.264m Displacement/Length ratio 8.7441			
COMMENTS		Water Ballast 0 Trim Tab No BLR Index 0.0000					
PROPELLER Installation Shaft exposed PRD 0.380 Type Folding 2 blades PBW 0.080 PIPA 0.0014		CENTERBOARD N/A					
SCORING OPTIONS							
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD			
	690.3			766.6			
Time on Time	0.8691			0.8806			
Triple Number	Low	Medium	High	Low	Medium	High	
	829.3	629.5	551.8	1066.0	777.4	653.9	
Time on Distance	0.8139	1.0723	1.2232	0.6332	0.8683	1.0322	

BOAT	
Name TOLMI	Sail Nr GRE-1773
File GR1773	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay Adjustable	Runners/Checkstays 0
Carbon Mast No	Jib Furler Yes
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 10.365	E 3.480 MDT1 0.117 MW
IG 12.120	J 3.607 MDL1 0.177 GO
ISP 12.080	SFJ 0.000 MDT2 BD
BAS 1.270	SPL 3.650 MDL2 MWT
FSD -3.000	TPS TL -3.000 MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 11/04/2017		SG	
FFM 1.147	FF 1.147	SFFP 0.280	
FAM 0.875	FA 0.875	SAFP 8.855	
LCF from stem on CL / on sheer		5.408 / 5.657	
Maximum beam station from stem		5.910	
RM Measured		85.4kg-m	
RM Default		82.9kg-m	
Limit of positive stability / Stab.Index		115.3° / 116.3	
Freeboard at mast at 3.607		1.048	



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.380		
Type Folding 2 blades	PBW 0.080		
Twin Screw No	PIPA 0.0014		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

Certificate

Number **01166**
ORC Ref **03420000LIF**
Issued On **26/06/2020**
VPP Ver. **2020 1.02**
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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.13	0.73	1.32	2.29	3.00	21.82		08/05/2019	BANKS	Polyester						
1	0.15	0.66	1.14	2.01	2.71	19.91		04/06/2016		Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.04	0.56	1.10	2.19	3.31	4.45	11.50	123%	25.44		No		17/07/2019	BANKS	Polyest	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	11.70	11.70	11.70	6.45	6.20	62.40		04/06/2016	KAKITSIS	Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT	
Name	TOLMI
Sail Nr	GRE-1773
Certificate Number	01166
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1239.0	1029.9	914.6	832.9	782.0	759.8	753.8
52°	807.1	685.1	610.5	571.6	552.0	541.0	534.9
60°	764.4	650.8	585.7	556.5	539.4	528.3	518.9
75°	736.5	625.6	569.4	544.5	528.4	515.2	495.8
90°	742.7	616.7	554.9	528.6	513.6	506.3	484.6
110°	731.0	603.5	547.8	521.4	500.2	480.6	456.3
120°	752.5	620.6	554.5	525.7	503.7	482.6	446.0
135°	824.8	676.4	583.6	542.5	518.7	497.6	456.2
150°	963.8	765.0	652.4	577.2	541.8	519.7	480.2
Run VMG	1112.9	882.6	751.0	657.7	591.2	550.9	507.8
Selected Courses							
Windward / Leeward	1175.9	956.3	832.8	745.3	686.6	655.3	630.8
Circular Random	991.9	797.6	691.7	628.7	589.5	564.2	534.5
Coastal / Long Distance	1169.6	897.7	747.5	650.3	597.4	563.1	512.3
Non Spinnaker	1059.1	845.4	727.3	656.2	611.4	582.2	548.3

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	43.5°	42.0°	41.3°	41.3°	39.4°	38.6°	38.6°
Beat VMG	2.91	3.50	3.94	4.32	4.60	4.74	4.78
52°	4.46	5.25	5.90	6.30	6.52	6.65	6.73
60°	4.71	5.53	6.15	6.47	6.67	6.81	6.94
75°	4.89	5.75	6.32	6.61	6.81	6.99	7.26
90°	4.85	5.84	6.49	6.81	7.01	7.11	7.43
110°	4.92	5.96	6.57	6.90	7.20	7.49	7.89
120°	4.78	5.80	6.49	6.85	7.15	7.46	8.07
135°	4.36	5.32	6.17	6.64	6.94	7.24	7.89
150°	3.74	4.71	5.52	6.24	6.64	6.93	7.50
Run VMG	3.23	4.08	4.79	5.47	6.09	6.53	7.09
Gybe Angles	147.0°	151.5°	154.0°	157.0°	180.0°	180.0°	180.0°