

BOAT Name MOLOTOW Sail Nr GRE-1386	GPH 726.4	HULL Length Overall 6.500m Maximum Beam 2.484m Displacement 912kg Draft 1.535m Plan Review IMS Reg. Division Sportboat Dynamic Allowance 0.000% Hull Construction Solid Carbon Rudder No Crew Arm Extension IMSL 6.336m VCGD 0.288m Sink 6.95kg/mm RL 5.604m VCGM 0.257m WS 9.03m² LSM0 5.944m Displacement/Length ratio 4.3427
GENERAL Class SKIPPI 650 PERFORM Designer Jerzy Piesniewski Builder SKIPPI YACHTS Series 01/2002 Age 01/2007 Age Allowance 0.487% Offset File skippi650cruiser.off - 02/08/2020 Measurement by - 01/06/2009		



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Rating Office
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Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	710.0			799.5		
Time on Time	0.8450			0.8443		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	809.3	650.3	589.7	1044.1	798.9	723.9
Time on Time	0.8341	1.0380	1.1446	0.6465	0.8449	0.9324

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1206.0	1004.3	918.3	892.0	890.5	897.8	915.5
52°	783.1	668.4	632.9	623.4	619.2	617.5	621.2
60°	732.9	642.3	612.5	602.1	596.8	594.0	596.5
75°	690.6	622.8	591.2	570.6	560.3	553.7	550.5
90°	691.4	619.7	585.8	553.1	527.7	513.8	499.7
110°	699.3	611.5	567.4	529.9	508.0	489.4	450.7
120°	723.4	618.3	570.5	524.9	487.3	460.8	422.6
135°	802.9	660.4	596.2	550.3	504.6	458.7	377.6
150°	947.1	755.1	647.1	591.7	549.6	508.3	425.1
Run VMG	1093.6	872.1	740.5	653.7	602.9	564.1	488.0

Certificate
Number **00102**
ORC Ref **03420000NKJ**
Issued On **02/08/2020**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight
Default **328kg**
Maximum **240kg**
Minimum* **155kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **778.7 0.7705**
Non Spin OSN **754.1 0.7957**

Selected Courses							
Windward / Leeward	1149.8	938.2	829.4	772.9	746.7	730.9	701.7
Circular Random	978.7	799.6	706.1	653.2	621.0	599.4	569.3
Coastal / Long Distance	1144.2	882.3	752.0	678.8	636.1	600.2	537.6
Non Spinnaker	1075.1	865.9	754.7	691.5	653.7	629.3	596.8

Sails Limitations
Headsails **5** Spinnakers **4**
Woven Polyester

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°	40.1°	39.0°	39.4°	39.8°	41.6°
Beat VMG	2.99	3.58	3.92	4.04	4.04	4.01	3.93
52°	4.60	5.39	5.69	5.77	5.81	5.83	5.80
60°	4.91	5.60	5.88	5.98	6.03	6.06	6.03
75°	5.21	5.78	6.09	6.31	6.43	6.50	6.54
90°	5.21	5.81	6.15	6.51	6.82	7.01	7.20
110°	5.15	5.89	6.34	6.79	7.09	7.36	7.99
120°	4.98	5.82	6.31	6.86	7.39	7.81	8.52
135°	4.48	5.45	6.04	6.54	7.13	7.85	9.53
150°	3.80	4.77	5.56	6.08	6.55	7.08	8.47
Run VMG	3.29	4.13	4.86	5.51	5.97	6.38	7.38
Gybe Angles	146.5°	151.0°	154.0°	174.0°	180.0°	180.0°	180.0°

Class Division Length
CDL = **5.970**

Storm Sails Areas
Heavy Weather Jib **6.34**
Storm Jib (JL=4.46) **2.35**
Storm Trysail **3.83**

Owner

BOAT	
Name MOLOTOW	Sail Nr GRE-1386
File GR1386	Data in meters/kilograms

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 7.400	E 2.950 MDT1 0.070 MW 0.095
IG 6.852	J 2.120 MDL1 0.095 GO 0.095
ISP 7.812	SFJ 0.110 MDT2 0.070 BD 0.093
BAS 0.952	SPL 2.720 MDL2 0.095 MWT
FSD 0.032	TPS 3.200 TL 0.000 MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 23/07/2020		SG	
FFM 0.833	FF 0.833	SFFP 0.295	
FAM 0.776	FA 0.776	SAFP 6.103	
W1 9.5	PD1 254.0	WD 8.750	
W2 9.5	PD2 254.0	GSA 50.2	
W3 9.5	PD3 254.0	RSA 5941.7	
W4 9.5	PD4 254.0	PLM 2069.0	
LCF from stem on CL / on sheer		3.440 / 3.642	
Maximum beam station from stem		4.525	
RM Measured		11.8kg·m	
RM Default		15.3kg·m	
Limit of positive stability / Stab.Index		101.1° / 92.4	
Freeboard at mast at 2.230		0.836	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

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COMMENTS	
ex "JIMMY".	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	MHB	MUW	MTW	MHW	MQW	Area Area (r) Formula
	0.52	0.88	1.41	2.19	2.69	14.77 15.39 P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)
Symmetric	SLU	SLE	SL	SHW	SFL	Area Formula
	7.52	7.52	7.52	5.90	5.55	36.53 SL · (SFL + 4·SHW) / 6
Asymmetric	SLU	SLE	SL	SHW	SFL	Area Formula
	8.97	7.85	8.41	4.72	5.18	33.72 AS · (SFL + 4·SHW) / 6

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB), HS flying rated area = 12.50												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.04	0.37	0.70	1.30	1.83	2.29	6.78	8.40	Y	No	14/09/2018	Dacron	
0.03	0.35	0.68	1.29	1.81	2.23	6.76	8.22	Y	Yes	14/09/2018	Dacron	
0.04	0.36	0.66	1.23	1.76	2.30	6.80	8.17		No	15/05/2013	Dacron	
0.04	0.27	0.51	1.01	1.56	2.11	6.56	6.83		No	10/04/2010	Dacron	

MEASUREMENT INVENTORY				
Measurer GRE-16				
Date 23/07/2020				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight Description		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description
1	Misc		1.70	-0.05 battery Ah
2	Misc		2.90	0.70 outboard engine, SUZUKI 6HP/4stroke
3	Misc		4.30	0.00 chemical toilet

