

BOAT	GPH	HULL
Name TAMUMM Sail Nr GRE-1265	598.3	Length Overall 9.435m Maximum Beam 3.038m Displacement 2,588kg Draft 2.164m Plan Review IMS Reg. Division Performance Dynamic Allowance 0.000% Hull Construction Light Carbon Rudder Yes Crew Arm Extension
GENERAL		IMSL 9.031m VCGD -0.243m Sink 12.37kg/mm RL 8.823m VCGM -0.220m WS 16.68m² LSM0 8.839m Displacement/Length ratio 3.7476
Class FARR 30 Designer BRUCE FARR Builder OVINGTON MARINE Series 01/1994 Age 03/1997 Age Allowance 0.487% Offset File FARR30.OD.OFF - 24/05/2009 23:54:20 Measurement by - 18/02/2014		



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Rating Office
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Επιτροπή
Ανοικτής Θαλάσσης
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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	584.3			656.0		
Time on Time	1.0269			1.0290		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	663.9	538.2	479.2	850.7	659.3	580.5
Time on Time	1.0167	1.2542	1.4087	0.7935	1.0238	1.1627

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	968.2	805.1	733.9	710.9	701.8	691.4	685.8
52°	640.3	550.9	522.7	512.2	506.8	504.6	495.0
60°	606.4	535.7	510.7	497.4	490.3	486.1	474.1
75°	581.1	524.8	498.6	477.4	461.6	453.1	445.0
90°	582.9	522.3	497.4	470.8	446.1	426.9	406.9
110°	570.8	507.5	475.3	454.5	434.8	415.4	381.7
120°	582.7	511.0	471.8	437.0	414.5	394.5	360.8
135°	660.3	538.2	493.6	453.0	412.0	372.9	319.3
150°	783.2	627.8	540.1	498.9	469.1	428.5	344.4
Run VMG	904.4	724.9	623.6	574.9	538.1	494.8	397.7

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VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight
Default **577kg**
Maximum **579kg**
Minimum* **434kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	637.9	0.9406
Non Spin OSN	621.6	0.9653

Selected Courses							
Windward / Leeward	936.3	765.0	678.8	642.9	619.9	593.1	541.8
Circular Random	804.1	658.4	582.2	538.2	509.5	487.8	453.2
Coastal / Long Distance	933.1	721.8	617.9	561.6	527.2	492.2	432.9
Non Spinnaker	877.5	709.3	619.3	566.6	533.1	509.9	477.6

Sails Limitations

Headsails	Spinnakers
5	4

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	42.0°	40.5°	38.3°	37.1°	36.8°	36.4°	36.8°
Beat VMG	3.72	4.47	4.91	5.06	5.13	5.21	5.25
52°	5.62	6.54	6.89	7.03	7.10	7.13	7.27
60°	5.94	6.72	7.05	7.24	7.34	7.41	7.59
75°	6.20	6.86	7.22	7.54	7.80	7.95	8.09
90°	6.18	6.89	7.24	7.65	8.07	8.43	8.85
110°	6.31	7.09	7.57	7.92	8.28	8.67	9.43
120°	6.18	7.05	7.63	8.24	8.69	9.13	9.98
135°	5.45	6.69	7.29	7.95	8.74	9.65	11.27
150°	4.60	5.73	6.67	7.22	7.67	8.40	10.45
Run VMG	3.98	4.97	5.77	6.26	6.69	7.28	9.05
Gybe Angles	143.5°	146.0°	150.0°	152.0°	176.0°	144.8°	143.0°

Class Division Length
CDL = **8.921**

Storm Sails Areas

Heavy Weather Jib	18.29
Storm Jib (JL=7.57)	6.78
Storm Trysail	9.18

Owner

BOAT	
Name TAMUMM	Sail Nr GRE-1265
File GR1265	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast Yes	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 11.920	E 4.400 MDT1 0.086 MW 0.143
IG 11.638	J 3.305 MDL1 0.144 GO 0.143
ISP 13.613	SFJ 0.090 MDT2 0.067 BD 0.135
BAS 1.223	SPL 0.111 MDL2 0.111 MWT 74.20
FSD 0.026	TPS 5.070 TL 1.760 MCG 4.940

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 12/02/2020	SG 1.0290	
FFM 1.011	FF 1.010	SFFP 0.222
FAM 0.742	FA 0.742	SAFP 8.685
W1 36.0	PD1 259.0	WD 10.370
W2 36.0	PD2 259.0	GSA 50.2
W3 36.0	PD3 259.0	RSA 5941.7
W4 36.0	PD4 259.0	PLM 2069.0
LCF from stem on CL / on sheer		5.345 / 5.537
Maximum beam station from stem		5.825
RM Measured		51.8kg-m
RM Default		56.2kg-m
Limit of positive stability / Stab.Index		125.1° / 119.9
Freeboard at mast at 3.395		0.914



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IMS Measurement
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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.356	
Type Folding 2 blades	PBW 0.093	
Twin Screw No	PIPA 0.0032	
ST1 0.042	ST3 0.178	ST5 0.248
ST2 0.178	ST4 0.114	EDL 1.278

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COMMENTS	
ex "VELONI"	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.29	1.55	2.12	3.04	3.81	34.98	35.99	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	15.35	13.29	14.32	8.36	8.70	100.57	AS · (SFL + 4·SHW) / 6		

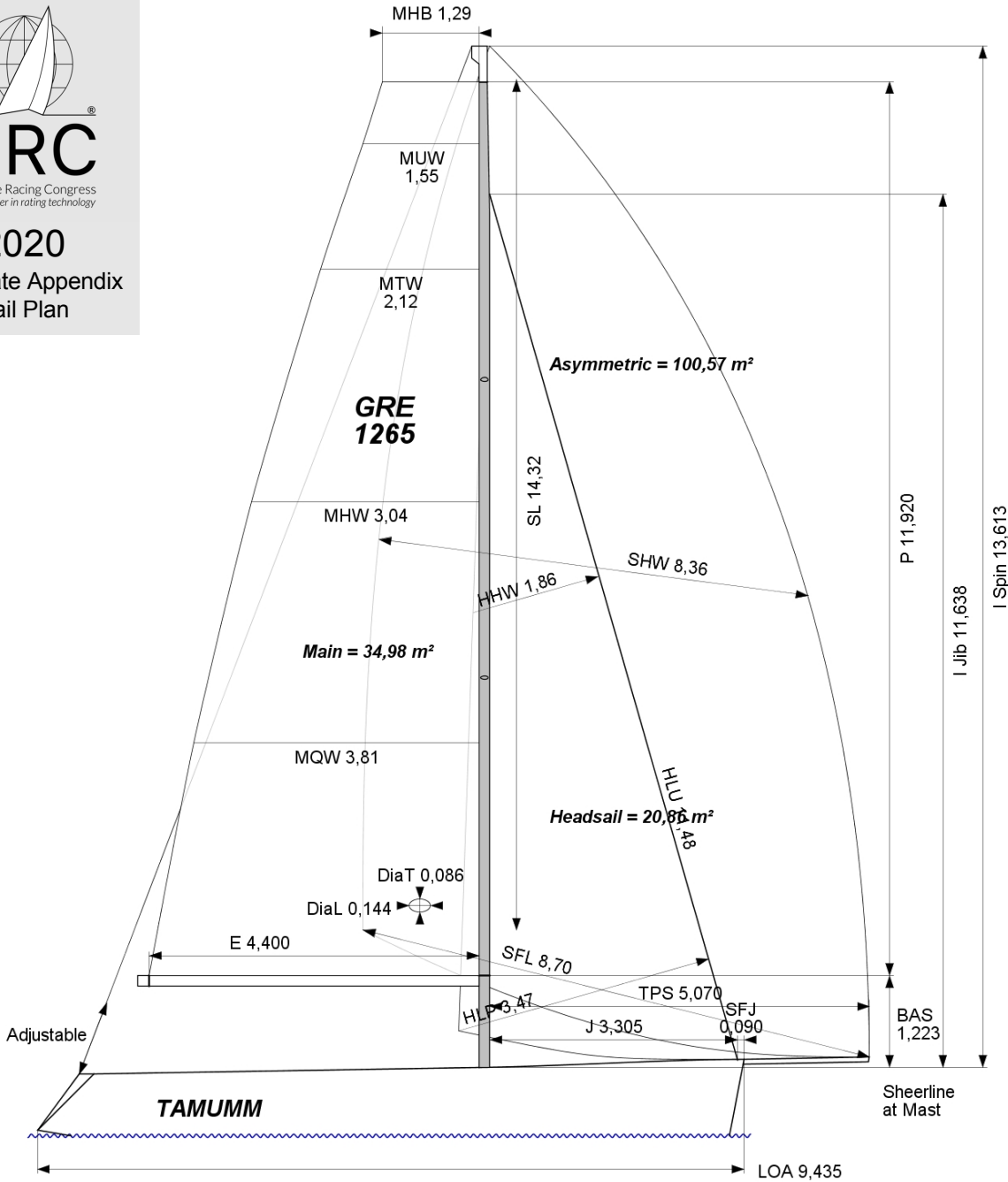
HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.09	0.51	0.96	1.86	2.71	3.47	11.48	20.86	Y	No	08/05/2019	Kevlar	#light
0.04	0.49	0.96	1.82	2.64	3.41	11.64	20.69	N	Inner	21/05/2018	Kevlar	staysail L
0.08	0.48	0.91	1.79	2.67	3.47	11.57	20.59	Y	No	04/06/2020	Carbon	medium/light
0.07	0.50	0.94	1.78	2.58	3.44	11.70	20.58	Y	No	05/08/2014	Kevlar	J2 black
0.08	0.50	0.95	1.78	2.60	3.43	11.54	20.36	Y	No	24/04/2019	Kevlar	J1
0.07	0.49	0.94	1.78	2.59	3.45	11.55	20.35	Y	No	24/04/2019	Kevlar	J2
0.00	0.37	0.75	1.52	2.31	3.08	10.81	16.59	Y	No	02/05/2018	Kevlar	J3
0.07	0.39	0.74	1.48	2.24	2.99	10.66	15.95	Y	No	08/05/2019	Kevlar	#J3
					2.29	11.07	12.91		Inner	08/08/2017	Nylon	staysail

MEASUREMENT INVENTORY				
Measurer GRE-16				
Date 12/02/2020				
Comment				
Internal Ballast total = 148.5				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
1	Engine	YANMAR	1GM10	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
1	Tank	FUEL	PLASTIC	25.0	6.40	0.00	3-0	3lt
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
1	Ballast	76.6	5.23	-0.20 Stbd 3 PLATES LEAD OR ZAMMA				
2	Ballast	71.9	5.23	-0.20 Port 3 PLATES LEAD OR ZAMMA				
1	Battery		5.90	-0.20 BATTERIES 2x74Ah				



2020
Certificate Appendix
Sail Plan



SAILS INVENTORY																
MAINSAIL (4)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
4	1.29	1.55	2.12	3.04	3.81	34.98		04/06/2020	OS3	Carbon						
2	1.07	1.45	2.05	3.03	3.79	34.42		24/04/2019	Quantum	Kevlar	#2018					
HEADSAILS (9)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
24	0.09	0.51	0.96	1.86	2.71	3.47	11.48	105%	20.86	Y	No		08/05/2019	OS3	Kevlar	#light
20	0.04	0.49	0.96	1.82	2.64	3.41	11.64	103%	20.69	N	Inner		21/05/2018	Quantum	Kevlar	staysail L
26	0.08	0.48	0.91	1.79	2.67	3.47	11.57	105%	20.59	Y	No		04/06/2020	OS3	Carbon	medium/light
7	0.07	0.50	0.94	1.78	2.58	3.44	11.70	104%	20.58	Y	No		05/08/2014	Quantum	Kevlar	J2 black
21	0.08	0.50	0.95	1.78	2.60	3.43	11.54	104%	20.36	Y	No		24/04/2019	Quantum	Kevlar	J1
22	0.07	0.49	0.94	1.78	2.59	3.45	11.55	104%	20.35	Y	No		24/04/2019	Quantum	Kevlar	J2
23	0.00	0.37	0.75	1.52	2.31	3.08	10.81	93%	16.59	Y	No		02/05/2018	Quantum	Kevlar	J3
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (6)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
13	15.35	13.29	14.32	8.36	8.70	100.58	asym		30/07/2020	OS3	Nylon	A1.5 0.6 white				
16	15.27	12.60	13.94	8.62	8.70	100.29	asym		09/06/2020	Quantum	Nylon	A2 0.75 red L				
14	14.68	13.10	13.89	8.17	8.65	95.68	asym		24/04/2019	Quantum	Nylon	A2+ 0.6 yellow				
15	14.67	12.58	13.63	8.00	9.00	93.11	asym		22/05/2019	Quantum	Nylon	A1 0.5 white				
12	14.71	12.53	13.62	8.06	8.63	92.78	asym		24/04/2019	Quantum	Nylon	A2 0.65 black				