

BOAT Name TAMUMM Sail Nr GRE-1265	GPH 595.2	HULL Length Overall 9.435m Maximum Beam 3.038m Displacement 2,490kg Draft 2.156m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Light Carbon Rudder Yes Crew Arm Extension
GENERAL Class FARR 30 Designer BRUCE FARR Builder OVINGTON MARINE Series 01/1994 Age 03/1997 Age Allowance 0.487% Offset File mumm30.off - 07/04/1997 15:13:08 Measurement by SPIRIDELI - 18/02/2014		IMSL 9.001m VCGD -0.207m Sink 12.24kg/mm RL 8.980m VCGM -0.175m WS 16.47m² LSM0 8.793m Displacement/Length ratio 3.6626



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	580.2			650.9		
Time on Time	1.0342			1.0371		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	661.3	535.0	475.8	844.8	654.7	576.7
Time on Time	1.0207	1.2618	1.4186	0.7990	1.0310	1.1705

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	965.9	796.2	726.5	704.7	695.9	685.1	680.4
52°	642.3	547.5	520.5	510.3	505.0	502.2	492.9
60°	610.8	533.4	508.6	495.4	488.2	484.0	471.7
75°	588.4	524.7	496.5	474.6	459.1	450.7	442.4
90°	579.9	520.8	497.1	468.2	443.1	423.9	404.5
110°	571.0	505.7	473.1	450.8	431.1	412.1	378.6
120°	584.0	509.7	469.2	434.3	411.5	391.2	356.9
135°	656.9	537.6	492.8	451.2	408.3	368.7	315.2
150°	777.7	622.8	537.6	497.5	464.4	425.4	344.1
Run VMG	898.0	719.1	620.9	573.4	536.3	491.2	397.4

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Number **000628**
ORC Ref **GRE01010283**
Issued On **24/07/2018**
VPP Ver. **2018 1.00**
Valid until **28/02/2019**

Selected Courses							
Windward / Leeward	932.0	757.6	673.7	639.0	616.1	588.2	538.9
Circular Random	801.6	655.5	579.1	534.9	506.1	484.5	450.4
Coastal / Long Distance	928.6	715.4	613.8	558.3	523.5	488.6	430.2
Non Spinnaker	879.0	709.1	618.2	565.1	531.5	508.0	474.4

Crew Weight

Default 573kg
Maximum **620kg**
Minimum* **465kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	637.1	0.9418
Non Spin OSN	619.2	0.9689

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	41.5°	40.4°	37.7°	36.7°	36.4°	36.0°	36.3°
Beat VMG	3.73	4.52	4.96	5.11	5.17	5.25	5.29
52°	5.60	6.57	6.92	7.05	7.13	7.17	7.30
60°	5.89	6.75	7.08	7.27	7.37	7.44	7.63
75°	6.12	6.86	7.25	7.58	7.84	7.99	8.14
90°	6.21	6.91	7.24	7.69	8.12	8.49	8.90
110°	6.31	7.12	7.61	7.99	8.35	8.73	9.51
120°	6.16	7.06	7.67	8.29	8.75	9.20	10.09
135°	5.48	6.70	7.30	7.98	8.82	9.76	11.42
150°	4.63	5.78	6.70	7.24	7.75	8.46	10.46
Run VMG	4.01	5.01	5.80	6.28	6.71	7.33	9.06
Gybe Angles	143.7°	146.2°	150.5°	151.7°	147.3°	144.7°	142.7°

Sails Limitations

Headsails	5	Spinnakers	3
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Class Division Length

CDL = **8.991**

Storm Sails Areas

Heavy Weather Jib **18.28**
Storm Jib (JL=7.56) **6.77**
Storm Trysail **9.47**

Owner

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

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining		Flotation date 18/02/2014 SG 1.0272	
FFM 1.025	FF 1.024	SFFP 0.222	
FAM 0.744	FA 0.746	SAFP 8.685	
W1 30.0	PD1 240.0	WD 10.885	
W2 30.0	PD2 240.0	GSA 50.2	
W3 30.0	PD3 240.0	RSA 5941.7	
W4 30.0	PD4 240.0	PLM 2069.0	
LCF from stem on CL / on sheer		5.346 / 5.536	
Maximum beam station from stem		5.825	
RM Measured		48.9kg·m	
RM Default		55.7kg·m	
Limit of positive stability / Stab.Index		122.9° / 117.0	
Freeboard at mast at 3.395		0.924	



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IMS Measurement Certificate

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 12.300	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	MDL2 0.111	MWT 74.20
FSP 0.052	TPS 5.015	TL 1.760	MCG 4.940

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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	

COMMENTS	
ex "VELONI"	

MOVABLE BALLAST	
N/A	



Invalid for racing

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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.930	1.36	1.97	3.00	3.77	34.93	35.86	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric									
Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	15.53	13.36	14.45	8.40	8.71	101.86			

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.08	0.51	0.95	1.79	2.62	3.47	11.75	20.90	Y		05/04/2018	Kevlar	J1
0.07	0.49	0.94	1.79	2.60	3.47	11.72	20.74	Y		31/05/2018	Kevlar	J2
0.04	0.49	0.96	1.82	2.64	3.41	11.64	20.68	Y	Y	21/05/2018	Kevlar	flying
0.00	0.37	0.75	1.52	2.31	3.08	10.81	16.58	Y		02/05/2018	Kevlar	J3
					2.29	11.07	12.90	Y		08/08/2017	Nylon	staysail

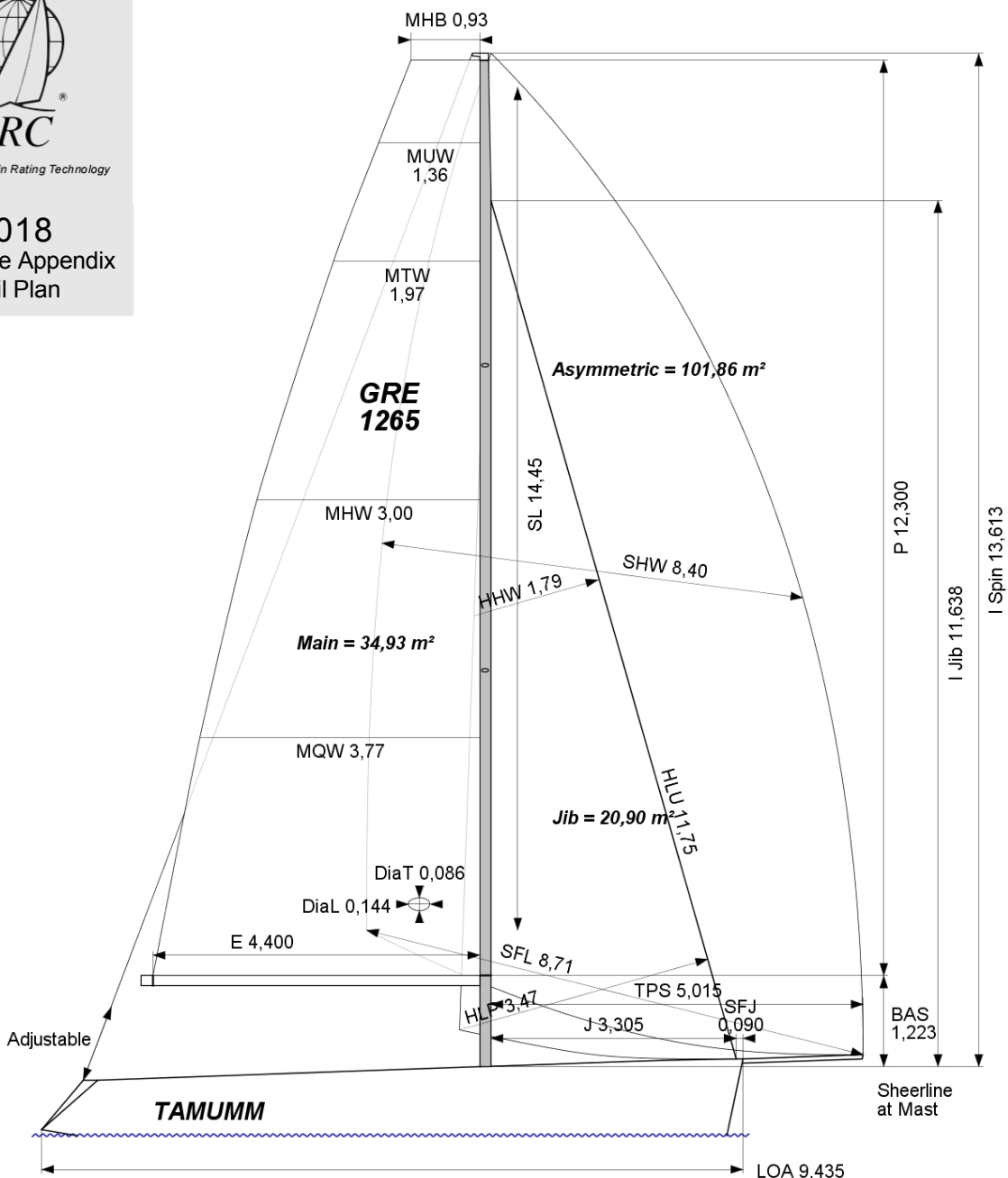
MEASUREMENT INVENTORY				
Measurer SPIRIDELI GRE-16				
Date 18/02/2014				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	1GM10	
Id	Item	Weight Description		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	FUEL	PLASTIC	25.0	6.40	0.00	47.0	17t
Id	Item	Weight	Distance	VCG Description				
1	Misc	5.90	-0.20	BATTERIES 2x70Ah				



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.930	1.36	1.97	3.00	3.77	34.93	AFENDRAS	04/07/2018	Quantum	Kevlar	
1	0.930	1.36	1.97	2.98	3.75	34.81	AFENDRAS	27/03/2017	Quantum	Kevlar	

HEADSAILS (5)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
21	0.08	0.51	0.95	1.79	2.62	3.47	11.75	105%	20.90	Y		KALATZIS	05/04/2018	Quantum	Kevlar	J1
22	0.07	0.49	0.94	1.79	2.60	3.47	11.72	105%	20.74	Y		AFENDR	31/05/2018	Quantum	Kevlar	J2
20	0.04	0.49	0.96	1.82	2.64	3.41	11.64	103%	20.68	Y	Y	AFENDR	21/05/2018	Quantum	Kevlar	flying
23	0.00	0.37	0.75	1.52	2.31	3.08	10.81	93%	16.58	Y		SPIRIDEL	02/05/2018	Quantum	Kevlar	J3
12						2.29	11.07	69%	12.90		Y	SPIRIDEL	08/08/2017	Quantum	Nylon	staysail

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
12	15.53	13.36	14.45	8.40	8.71	101.86	asym	SPIRIDELI	08/08/2017	Quantum	Nylon	A2 0.65 black
14	15.33	13.28	14.30	8.40	8.65	100.73	asym	SPIRIDELI	02/05/2018	Quantum	Nylon	A2 0.6 yellow
11	15.41	13.30	14.36	8.26	9.01	100.60	asym	SPIRIDELI	08/08/2017	Quantum	Nylon	A1 0.5
13	13.38	11.72	12.55	6.15	7.59	67.33	asym	SPIRIDELI	08/08/2017	Quantum	Nylon	A3 1.5