

BOAT Name TAMUMM Sail Nr GRE-1265	GPH 598.6	HULL Length Overall 9.435m Maximum Beam 3.038m Displacement 2,460kg Draft 2.153m 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 FARR30.OD.OFF - 24/05/2009 23:54:20 Measurement by - 18/02/2014		IMSL 8.986m VCGD -0.233m Sink 12.16kg/mm RL 8.925m VCGM -0.198m WS 16.38m² LSM0 8.776m Displacement/Length ratio 3.6395



2019
ORC International
Certificate

Rating Office

Offshore
Racing
Congress



SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	584.1			655.5		
Time on Time	1.0272			1.0298		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	665.8	537.8	478.6	852.9	658.6	579.5
Time on Time	1.0138	1.2551	1.4103	0.7914	1.0249	1.1647

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	965.8	801.9	729.8	706.8	697.5	686.9	681.3
52°	639.8	550.2	522.0	511.4	505.9	503.1	494.0
60°	606.5	535.4	510.1	496.6	489.4	485.2	473.2
75°	582.2	524.9	498.3	476.7	460.8	452.3	444.3
90°	587.5	522.3	497.5	470.7	445.7	426.4	406.4
110°	575.3	508.9	474.7	453.1	435.2	417.5	382.3
120°	588.2	512.6	472.9	436.6	413.1	396.3	361.6
135°	666.9	541.1	495.3	454.6	413.4	373.7	317.4
150°	791.1	632.5	542.6	500.4	470.9	430.5	346.6
Run VMG	913.5	730.4	626.5	576.8	540.5	497.1	400.2

Certificate
Number **000628**
ORC Ref **GRE01016312**
Issued On **13/09/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight
Default 571kg
Maximum **563kg**
Minimum* **422kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **639.3 0.9385**
Non Spin OSN **622.3 0.9642**

Selected Courses							
Windward / Leeward	939.7	766.1	678.2	641.8	619.0	592.0	540.8
Circular Random	806.2	659.3	582.4	538.0	509.0	487.3	452.4
Coastal / Long Distance	937.1	723.1	617.6	560.7	526.2	491.9	432.8
Non Spinnaker	881.0	711.3	620.4	567.2	533.5	510.0	476.7

Sails Limitations
Headsails **5** Spinnakers **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	41.7°	40.3°	37.8°	36.8°	36.4°	36.0°	36.1°
Beat VMG	3.73	4.49	4.93	5.09	5.16	5.24	5.28
52°	5.63	6.54	6.90	7.04	7.12	7.16	7.29
60°	5.94	6.72	7.06	7.25	7.36	7.42	7.61
75°	6.18	6.86	7.22	7.55	7.81	7.96	8.10
90°	6.13	6.89	7.24	7.65	8.08	8.44	8.86
110°	6.26	7.07	7.58	7.95	8.27	8.62	9.42
120°	6.12	7.02	7.61	8.24	8.71	9.08	9.96
135°	5.40	6.65	7.27	7.92	8.71	9.63	11.34
150°	4.55	5.69	6.63	7.19	7.64	8.36	10.39
Run VMG	3.94	4.93	5.75	6.24	6.66	7.24	8.99
Gybe Angles	143.5°	146.0°	150.0°	151.7°	175.9°	144.7°	142.9°

Class Division Length
CDL = **8.956**

Storm Sails Areas
Heavy Weather Jib **18.29**
Storm Jib (JL=7.57) **6.78**
Storm Trysail **8.66**

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 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 11.920	E 4.150 MDT1 0.086 MW 0.143
IG 11.638	J 3.305 MDL1 0.144 GO 0.143
ISP 12.908	SFJ 0.090 MDT2 0.067 BD 0.135
BAS 1.223	SPL 0.111 MWT 74.20
FSP 0.052	TPS 4.730 TL 1.760 MCG 4.940

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 11/04/2019		SG 1.0275	
FFM 1.021	FF 1.020	SFFP 0.222	
FAM 0.752	FA 0.753	SAFP 8.685	
W1 36.0	PD1 273.0	WD 10.360	
W2 36.0	PD2 273.0	GSA 50.2	
W3 36.0	PD3 273.0	RSA 5941.7	
W4 36.0	PD4 273.0	PLM 2069.0	
LCF from stem on CL / on sheer		5.325 / 5.515	
Maximum beam station from stem		5.825	
RM Measured		49.1kg-m	
RM Default		54.4kg-m	
Limit of positive stability / Stab.Index		124.2° / 118.3	
Freeboard at mast at 3.395		0.925	



ORC
Offshore Racing Congress
World leader in rating technology

2019
IMS Measurement
Certificate

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	

Certificate	
Number 000628	
ORC Ref GRE01016312	
Issued On 13/09/2019	
VPP Ver. 2019 1.01	
Valid until 28/02/2020	

COMMENTS	
ex "VELONI"	

MOVABLE BALLAST			
N/A			

CENTERBOARD			
N/A			



World Leader In Rating Technology

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1.210	1.51	2.05	2.90	3.57	33.20	34.08	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		
	14.71	12.09	13.40	8.69	8.76	97.19	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	Fly	Meas.Date	Material	Comment
0.09	0.51	0.96	1.86	2.71	3.47	11.48	20.86	Y		08/05/2019	Kevlar	#light
0.04	0.49	0.96	1.82	2.64	3.41	11.64	20.69	Y	Y	21/05/2018	Kevlar	flying
0.08	0.50	0.95	1.78	2.60	3.43	11.54	20.36	Y		24/04/2019	Kevlar	J1
0.07	0.49	0.94	1.78	2.59	3.45	11.55	20.35	Y		24/04/2019	Kevlar	J2
0.00	0.37	0.75	1.52	2.31	3.08	10.81	16.59	Y		02/05/2018	Kevlar	J3
					2.29	11.07	12.91	Y	Y	08/08/2017	Nylon	staysail

MEASUREMENT INVENTORY				
Measurer GRE-16				
Date 11/04/2019				
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	8-0	8lt
Id	Item	Weight	Distance	VCG Description				
2	Ballast	39.0	5.49	-0.20	3 PLATES LEAD OR ZAMMA			
1	Ballast	40.8	5.49	-0.20	3 PLATES LEAD OR ZAMMA			
1	Battery	5.90	-0.20	BATTERIES 2x74Ah				

