

BOAT Name ALLEGORIA Sail Nr GRE-517	GPH 624.3	HULL Length Overall 10.840m Maximum Beam 3.276m Displacement 5,864kg Draft 2.006m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.225% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class BAVARIA 35 MATCH Designer J & J Builder BAVARIA Series 05/2004 Age 03/2005 Age Allowance 0.487% Offset File BA35MMK.OFF - 08/07/2008 17:08:52 Measurement by - 14/07/2010		IMSLS 10.117m VCGD -0.200m Sink 19.16kg/mm RL 8.579m VCGM 0.012m WS 25.26m² LSM0 10.219m Displacement/Length ratio 5.4950



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	606.9			676.5		
Time on Time	0.9887			0.9977		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	714.1	553.1	495.6	921.6	679.8	590.8
Time on Time	0.9452	1.2205	1.3619	0.7324	0.9929	1.1426

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1046.4	868.4	768.4	720.9	704.1	697.8	684.4
52°	685.8	580.6	525.1	503.5	495.6	492.1	487.0
60°	648.9	553.5	509.6	491.1	482.2	478.4	475.0
75°	620.8	534.3	498.6	480.2	467.6	458.8	451.8
90°	628.6	533.6	492.5	478.0	462.6	448.4	426.7
110°	632.2	526.0	485.5	462.7	443.5	431.7	413.0
120°	652.2	537.8	490.8	466.2	443.9	422.2	395.2
135°	722.2	588.9	515.0	482.6	460.3	437.5	392.9
150°	854.4	680.0	576.5	513.8	483.7	462.6	419.9
Run VMG	986.6	785.2	665.0	585.5	530.4	493.9	451.6

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Number **00702P**
ORC Ref **GRE01015851**
Issued On **12/06/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight
Default 710kg
Maximum **630kg**
Minimum* **473kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	632.9	0.9481
Double H.OSN	616.6	0.9731
Non Spin GPH	655.8	0.9149
Non Spin OSN	636.2	0.9431

Selected Courses							
Windward / Leeward	1016.5	826.8	716.7	653.2	617.2	595.8	568.0
Circular Random	857.6	693.3	605.7	555.3	524.7	504.7	478.8
Coastal / Long Distance	1013.5	776.7	646.4	572.6	534.8	505.7	458.5
Non Spinnaker	915.6	733.8	635.3	577.8	542.4	519.4	489.9

Sails Limitations

Headsails	Spinnakers
5	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	42.7°	40.9°	40.4°	39.6°	39.0°	38.7°	38.5°
Beat VMG	3.44	4.15	4.69	4.99	5.11	5.16	5.26
52°	5.25	6.20	6.86	7.15	7.26	7.32	7.39
60°	5.55	6.50	7.06	7.33	7.47	7.53	7.58
75°	5.80	6.74	7.22	7.50	7.70	7.85	7.97
90°	5.73	6.75	7.31	7.53	7.78	8.03	8.44
110°	5.69	6.84	7.42	7.78	8.12	8.34	8.72
120°	5.52	6.69	7.34	7.72	8.11	8.53	9.11
135°	4.98	6.11	6.99	7.46	7.82	8.23	9.16
150°	4.21	5.29	6.24	7.01	7.44	7.78	8.57
Run VMG	3.65	4.58	5.41	6.15	6.79	7.29	7.97
Gybe Angles	144.6°	149.6°	151.4°	156.9°	174.8°	180.0°	180.0°

Class Division Length
CDL = **9.349**

Storm Sails Areas
Heavy Weather Jib **29.06**
Storm Jib (JL=9.54) **10.77**
Storm Trysail **11.81**

Owner

BOAT	Name ALLEGORIA	Sail Nr GRE-517
	File GR517	Data in meters/kilograms

RIG					
Forestay Tension	Aft	Spreaders	2		
Inner Stay	None Fitted	Runners	0		
Carbon Mast	No	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	13.792	E	4.890	MDT1	0.110
IG	14.613	J	3.824	MDL1	0.212
ISP	14.701	SFJ	0.155	MDT2	0.110
BAS	1.623	SPL	3.824	MDL2	0.152
FSP	0.062	TPS		TL	2.760
				MW	0.182
				GO	0.197
				BD	0.142
				MWT	
				MCG	

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 01/04/2017			SG 1.0290		
FFM	1.225	FF	1.222	SFFP	0.120
FAM	1.024	FA	1.026	SAFP	10.517
W1	90.8	PD1	559.7	WD	9.180
W2	90.8	PD2	560.0	GSA	1.0
W3	90.8	PD3	558.1	RSA	1.0
W4	90.8	PD4	556.3	PLM	9000.0
LCF from stem on CL / on sheer				5.997 / 6.192	
Maximum beam station from stem				6.670	
RM Measured				117.5kg-m	
RM Default				122.4kg-m	
Limit of positive stability / Stab.Index				117.3° / 121.9	
Freeboard at mast at 3.979				1.084	



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MIZZEN RIG AND SAILS					
N/A					

PROPELLER					
Installation	Strut	PRD	0.430		
Type	Folding 3 blades	PBW	0.135		
Twin Screw	No	PIPA	0.0036		
ST1	0.065	ST3	0.181	ST5	0.330
ST2	0.181	ST4	0.097	EDL	2.186

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COMMENTS					

MOVABLE BALLAST					
N/A					

CENTERBOARD					
N/A					



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SAILS (Maximum Areas)										
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula		
	0.180	1.03	1.85	3.15	4.08	40.07	40.90	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)		
Symmetric	SLU	SLE	SL	SHW	SFL					
	14.41	14.41	14.41	7.02	6.87	83.94	SL · (SFL + 4·SHW) / 6			
Asymmetric	Not Available									

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
0.09	0.63	1.21	2.17	3.07	3.95	13.99	29.40	Y		31/01/2019	Carbon	
0.06	0.53	1.01	1.93	2.80	3.61	13.98	26.35	Y		20/04/2015	Dacron	No 3.5
0.06	0.33	0.67	1.40	2.17	2.91	13.81	19.75			09/07/2011	Dacron	

MEASUREMENT INVENTORY					
Measurer GRE-21					
Date 01/04/2017					
Comment					
Id	Item	Weight	Distance	VCG Description	
Id	Item	Maker	Model		
1	Engine	VOLVO PENTA	MD2030-DBT		
Id	Item	Weight Description			

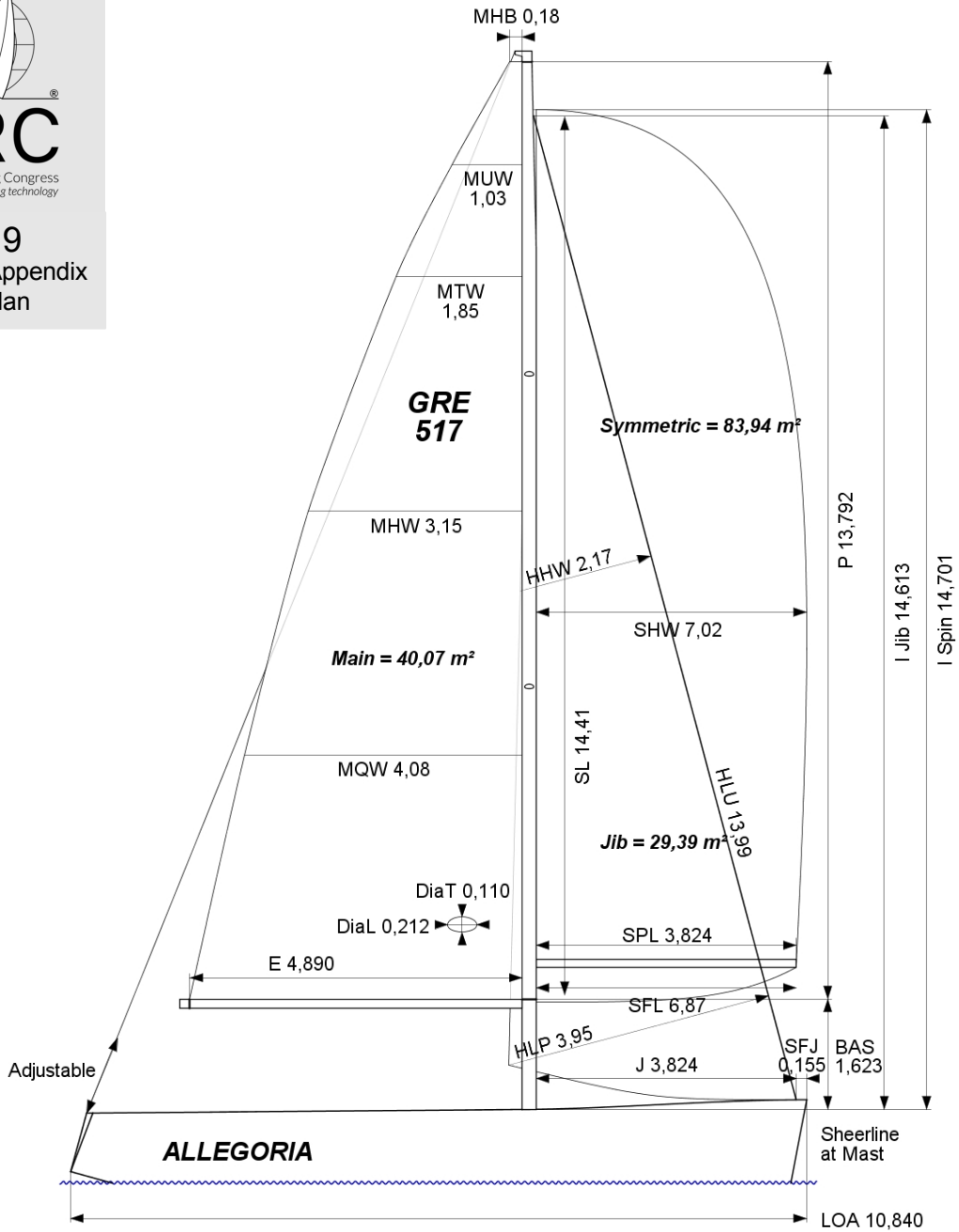
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
1	Tank	FUEL	PVC hard	90.0	8.70		20.0	STARBOARD	
2	Tank	WATER	PVC hard	150.0	8.80		0.0	PORT	
3	Tank	WASTE	PVC hard	90.0	7.60		0.0	STARBOARD	
Id	Item	Weight	Distance	VCG Description					
1	Ballast	50.0	3.90	SAND BAGS (2x25kg, P & S)					
2	Ballast	25.0	6.00	SAND BAG (C)					
3	Ballast	20.0	6.00	SAND BAGS (2x10kg, P & S)					
4	Ballast	25.0	6.50	SAND BAG (C)					
5	Ballast	30.0	6.50	SAND BAGS (2x15kg, P & S)					
1	Battery		4.80	1 x 140 Ah (S)					
2	Battery		5.30	1 x 44 Ah (S)					
3	Battery		5.30	1 x 74 Ah (S)					
3	Misc	10.0	8.50	WATER HEATER					
5	Misc		10.84	LADDER (INOX)					
2	Misc		5.50	ELECTRIC REFRIGERATOR (P)					
1	Misc		5.10	EMERGENCY CHARGER (S)					



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Sail Plan



SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.18	1.03	1.85	3.15	4.08	40.08		09/07/2011	KAFETZIDA	Unknown						
2	0.19	1.02	1.84	3.14	4.06	39.94		31/01/2019	ONE	Carbon						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.09	0.63	1.21	2.17	3.07	3.95	13.99	103%	29.40	Y			31/01/2019	NORTH	Carbon	
4	0.06	0.53	1.01	1.93	2.80	3.61	13.98	94%	26.35	Y			20/04/2015	KAFETZIDA	Nylon	No 3.5
3	0.06	0.33	0.67	1.40	2.17	2.91	13.81	76%	19.75				09/07/2011	SUPREME	Dacron	
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	14.41	14.41	14.41	7.02	6.87	83.94		03/04/2017	KAFETZIDA	Nylon						
1	14.13	14.13	14.13	6.96	6.86	81.72		13/05/2014	KAFETZIDA	Nylon						
3	14.11	14.11	14.11	6.90	6.78	80.86		04/07/2012	KAKITSIS	Nylon	0.65 Runner					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				