

BOAT
Name ASSANTE
Sail Nr GRE-1073

GPH
662.8

HULL					
Length Overall	11.030 m				
Maximum Beam	3.582 m				
Displacement	6,098 kg				
Draft	1.933 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0.376%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	No				
Crew Arm Extension					
IMS L	9.936	VCGD	0.107	VCGM	0.284
Sink	19.87 kg/mm		Wetted Area	25.98 m²	

GENERAL	
Class	BAVARIA 36
Designer	
Builder	BAVARIA
Series	06/2003
Age	
Age Allowance	0.585%
Offset File	BAVARI36.OFF - 14/3/2013 12:14:12
Measurement by	VOGIATZIS/TSALTAS - 01/05/2006

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	634.6			722.2		
Time On Time	0.9455			0.9346		
Performance Line	PLT	PLD		PLT	PLD	
	0.754	75.8		0.716	148.7	
Triple Number	Low	Medium	High	Low	Medium	High
	0.8205	1.1013	1.3382	0.6590	0.9266	1.0983

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1162.0	942.0	826.8	768.9	735.8	715.0	698.9
52°	741.3	608.1	550.8	520.3	505.5	496.4	487.5
60°	688.5	575.5	528.7	501.0	486.1	478.1	469.4
75°	647.7	553.8	512.0	486.5	467.7	454.6	444.2
90°	650.2	549.3	504.7	476.2	457.4	447.2	428.9
110°	678.8	557.9	505.8	477.3	453.8	433.6	405.3
120°	703.9	576.2	520.4	486.4	461.7	440.7	404.7
135°	815.1	644.4	556.3	511.2	482.2	459.2	421.5
150°	972.4	753.6	625.6	553.5	512.0	484.1	442.5
Run VMG	1122.9	870.2	721.0	625.5	565.2	524.1	472.6
Selected Courses							
Windward / Leeward	1142.4	906.1	773.9	697.2	650.5	619.6	585.7
Circular Random	930.5	743.6	642.0	582.1	544.7	520.2	489.6
Ocean for PCS	993.8	777.3	655.8	581.4	532.8	498.7	451.9
Non Spinnaker	980.0	778.3	667.4	601.2	559.5	532.0	498.4

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	45.4°	44.4°	43.0°	41.0°	39.7°	38.9°	38.8°
Beat VMG	3.10	3.82	4.35	4.68	4.89	5.03	5.15
52°	4.86	5.92	6.54	6.92	7.12	7.25	7.39
60°	5.23	6.26	6.81	7.19	7.41	7.53	7.67
75°	5.56	6.50	7.03	7.40	7.70	7.92	8.11
90°	5.54	6.55	7.13	7.56	7.87	8.05	8.39
110°	5.30	6.45	7.12	7.54	7.93	8.30	8.88
120°	5.11	6.25	6.92	7.40	7.80	8.17	8.89
135°	4.42	5.59	6.47	7.04	7.47	7.84	8.54
150°	3.70	4.78	5.75	6.50	7.03	7.44	8.14
Run VMG	3.21	4.14	4.99	5.76	6.37	6.87	7.62
Gybe Angles	144.4°	148.4°	152.1°	161.3°	168.9°	172.5°	175.1°



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2012

ORC International
Certificate

Rating Office

Offshore
Racing
Congress



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Certificate
Number 000560
ORC Ref GRE00052916
Issued On 17/5/2012
VPP Ver. 2012 1.01
Valid until 1/3/2013

Crew Weight
Declared 640 kg
Default* 646 kg
Non Manual Pwr No

Special Scoring
ToD ToT
D. Hand OSN 638.5 0.9397
Non Spin. OSN 661.3 0.9073
N/S Perf. Line 51.8 0.691

Sails Limitations		
Genoas 3	Jibs 2	Spinnakers 3
Spinnaker configuration Asymmetric-Pole		

Storm Sails Areas
Heavy Weather Jib 21.31
Storm Jib (JL=8.17) 7.89
Storm Trysail 9.11

Owner

BOAT		
Name	ASSANTE	Sail Nr GRE-1073
File	GR1073.dxt	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	12.250	E	4.249	MDT1 0.116 TL 0.000
IG	12.406	J	3.990	MDL1 0.170 MWT
ISP	12.945	SFJ	0.000	MDT2 0.116 MCG
SPS	2.501	SPL	3.951	MDL2 0.170 CPW 2.384
BAS	1.571	TPS	3.990	MW 0.170 BD 0.171
BAL	0.100	FSP	0.060	GO 0.220 BWT

MIZZEN RIG AND SAILS				
N/A				

COMMENTS				

INCLINING TEST AND FREEBOARDS				
Inclining Test	Current Inclining			
Flotation date	06/04/2004		SG	
FFM	1.325	FF	1.325	SFFP 0.560
FAM	1.104	FA	1.104	SAFP 10.034
W1	16.000	PD1	58.0	WD 11.450
W2	32.000	PD2	119.0	GSA 28.0
W3	48.000	PD3	179.0	RSA 5931.0
W4	64.000	PD4	243.0	PLM 2062.0
Max. beam station / LCF from stem				6.686 / 5.988
RM Measured / Default				110.0 / 123.4
Limit of positive stability				105.2°
Stability Index				107.1
Freeboard at mast at 3.990				1.193

PROPELLER				
Installation	Strut		PRD	0.418
Type	Folding		PBW	0.106
Twin Screw	No		PIPA	0.0031
ST1	0.047	ST3	0.170	ST5 0.285
ST2	0.170	ST4	0.098	EDL 1.970

MOVEABLE BALLAST				
N/A				

CENTERBOARD				
N/A				

SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL			Area	Area (r)	Formula
	0.140	0.88	1.58	2.75	3.63			31.13	31.76	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG			
	0.00	0.75	1.49	2.98	4.47	12.83	5.96	38.23		$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF							
	12.92	7.18	6.75					76.38		$SL \cdot (SF + 4 \cdot SMG) / 6$
Asymmetric	SLU	SLE	ASL	AMG	ASF					
	13.35	12.35	12.85	6.10	6.88			66.99		$ASL \cdot (ASF + 4 \cdot AMG) / 6$
Code Zero										
Not Available										

MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
OR	Anchor	85.0	0.40	*Legacy Anchor*
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description



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IMS Measurement Certificate

Certificate
 Number **000560**
 ORC Ref **GRE00052916**
 Issued On **17/5/2012**
 VPP Ver. **2012 1.01**
 Valid until **1/3/2013**

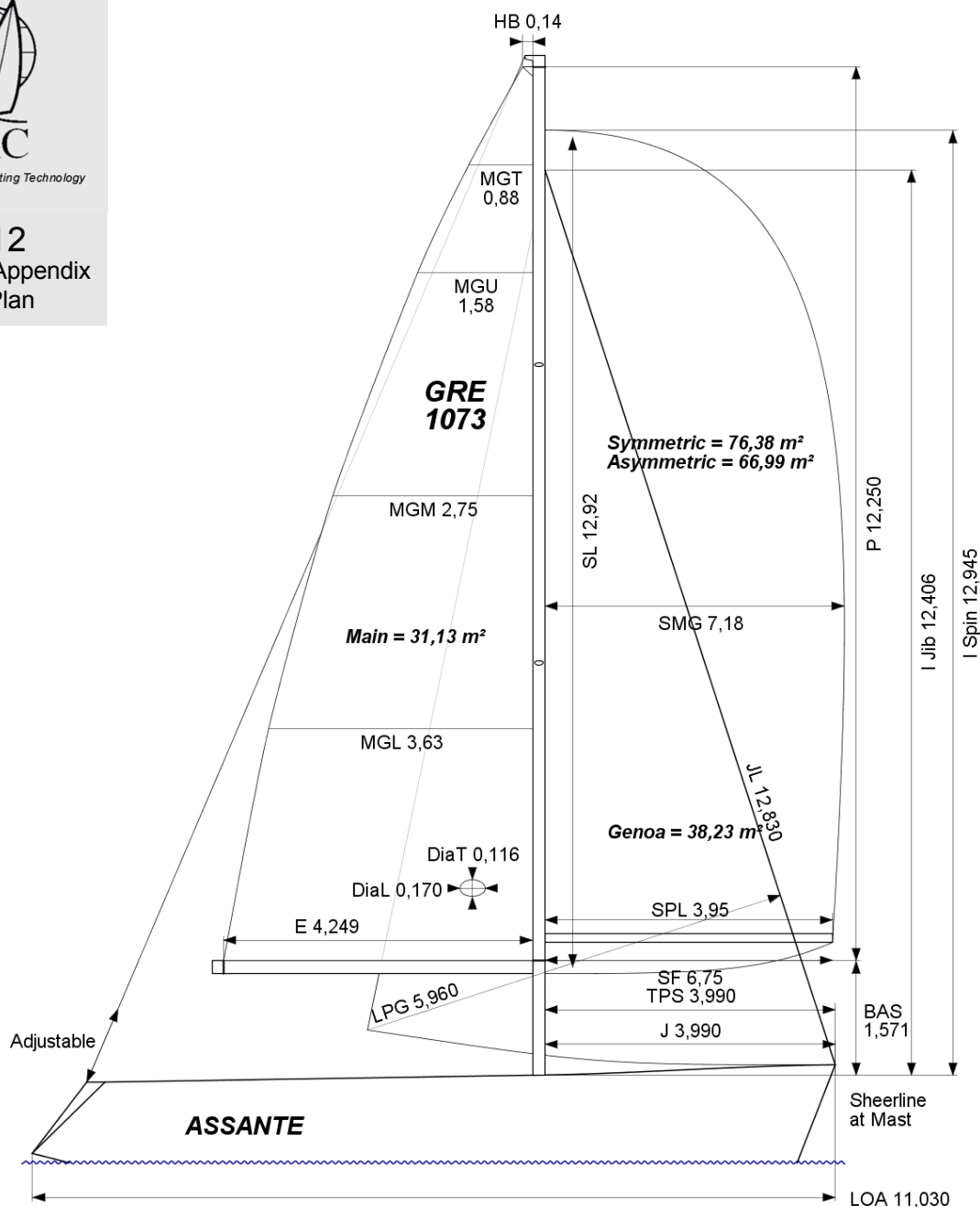


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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0.140	0.88	1.58	2.75	3.63	31.13					* Copied from legacy

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						5.96	12.83	149%	38.24					* Copied from

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	12.92	7.18	6.75	76.38					* Copied from legacy *

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	13.35	12.35	12.85	6.10	6.88	66.99	asym	CHRISTOFORID	04/05/2011	ELVSTROM	Nylon	