

BOAT Name BAXIMUS Sail Nr GRE-74	GPH 604.0	HULL Length Overall 10.600m Maximum Beam 3.250m Displacement 4,609kg Draft 2.180m Plan Review IMS Reg. Division Performance Dynamic Allowance 0.000% Hull Construction Cored Carbon Rudder No Crew Arm Extension IMSL 9.498m VCGD 0.007m Sink 17.75kg/mm RL 9.140m VCGM -0.010m WS 23.17m² LSM0 9.329m Displacement/Length ratio 5.6768
GENERAL Class X-35 OD Designer JEPPESEN Builder X YACHTS Series 09/2005 Age 09/2006 Age Allowance 0.487% Offset File x35.od.off - 29/01/2015 16:31:16 Measurement by - 09/07/2007		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	588.5			655.2		
Time on Time	1.0196			1.0302		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	681.2	538.2	484.4	876.3	656.6	578.6
Time on Time	0.9909	1.2542	1.3936	0.7703	1.0281	1.1666

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	981.5	814.2	726.4	698.5	688.0	680.7	672.8
52°	647.4	549.6	511.1	499.0	494.2	491.9	484.5
60°	613.7	531.3	499.8	486.5	481.0	478.0	469.4
75°	588.2	519.3	491.2	472.8	460.4	454.2	448.8
90°	594.3	519.7	488.4	469.7	450.1	434.4	418.6
110°	607.2	514.6	479.1	452.3	434.2	420.8	400.9
120°	625.7	523.7	484.6	455.3	427.5	404.5	378.0
135°	693.5	565.2	505.9	475.7	447.8	420.6	364.5
150°	822.7	657.5	558.2	505.6	477.3	451.2	401.2
Run VMG	950.0	759.2	643.4	571.5	520.4	488.3	438.6

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Number **00121**
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VPP Ver. **2020 1.02**
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Crew Weight
Default **623kg**
Maximum **700kg**
Minimum* **525kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	633.1	0.9477
Non Spin OSN	615.9	0.9742

Selected Courses							
Windward / Leeward	965.7	786.7	684.9	635.0	604.2	584.5	555.7
Circular Random	821.3	667.6	586.6	540.4	512.0	492.9	466.6
Coastal / Long Distance	964.2	741.0	622.1	559.3	523.9	494.3	446.8
Non Spinnaker	873.9	704.6	614.0	561.6	529.4	508.1	479.8

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°	40.9°	39.2°	38.3°	37.9°	37.5°	37.5°
Beat VMG	3.67	4.42	4.96	5.15	5.23	5.29	5.35
52°	5.56	6.55	7.04	7.21	7.28	7.32	7.43
60°	5.87	6.78	7.20	7.40	7.49	7.53	7.67
75°	6.12	6.93	7.33	7.61	7.82	7.93	8.02
90°	6.06	6.93	7.37	7.66	8.00	8.29	8.60
110°	5.93	7.00	7.51	7.96	8.29	8.55	8.98
120°	5.75	6.87	7.43	7.91	8.42	8.90	9.52
135°	5.19	6.37	7.12	7.57	8.04	8.56	9.88
150°	4.38	5.48	6.45	7.12	7.54	7.98	8.97
Run VMG	3.79	4.74	5.59	6.30	6.92	7.37	8.21
Gybe Angles	142.0°	148.0°	151.5°	159.0°	180.0°	180.0°	180.0°

Class Division Length
CDL = **9.311**

Storm Sails Areas

Heavy Weather Jib	28.66
Storm Jib (JL=9.48)	10.62
Storm Trysail	12.22

Owner

BOAT	
Name BAXIMUS	Sail Nr GRE-74
File GR74X	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 20/05/2016				SG 1.0255	
FFM	1.313	FF	1.313	SFFP	0.075
FAM	0.977	FA	0.978	SAFP	10.275
W1	76.0	PD1	256.0	WD	10.940
W2	76.0	PD2	256.0	GSA	50.2
W3	76.0	PD3	256.0	RSA	5941.7
W4	76.0	PD4	256.0	PLM	2069.0
LCF from stem on CL / on sheer				5.974 / 6.170	
Maximum beam station from stem				7.300	
RM Measured				116.6kg-m	
RM Default				122.8kg-m	
Limit of positive stability / Stab.Index				119.0° / 120.1	
Freeboard at mast at 4.185				1.100	



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RIG					
Forestay Tension	Aft	Runners/Checkstays		0	
Inner Stay	None Fitted	Main Furler		No	
Carbon Mast	No	Jib Furler		No	
Fiber Rigging	No	Main Furler		No	
Non-Circular Rigging	No				
Articulated Bowsprit	No				
P	14.240	E	4.900	MDT1	0.125
IG	14.500	J	4.185	MDL1	0.185
ISP	14.530	SFJ		MDT2	0.122
BAS	1.745	SPL	4.180	MDL2	0.140
FSD	0.034	TPS		TL	1.230
				MW	0.184
				GO	0.204
				BD	0.220
				MWT	156.00
				MCG	4.600

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.420
Type	Folding 2 blades	PBW	0.128
Twin Screw	No	PIPA	0.0033
ST1	0.042	ST3	0.182
ST2	0.178	ST4	0.112
		ST5	0.255
		EDL	2.390

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.21	1.07	1.87	3.16	4.13	41.76	42.60	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.32	14.32	14.32	7.73	7.40	91.46		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	Flying	Meas.Date	Material	Comment
0.11	0.64	1.21	2.29	3.35	4.46	14.48	32.96	Y	No	19/08/2017	Carbon	Light/Medium
0.09	0.68	1.28	2.40	3.42	4.36	14.21	32.91	Y	No	22/03/2011	Polyest	Jib top
0.10	0.65	1.22	2.29	3.33	4.45	14.37	32.66	Y	No	17/05/2016	Carbon	Medium
0.00	0.41	0.85	1.79	2.82	3.97	14.26	26.76	Y	No	15/06/2020	Kevlar	Heavy -light skin

MEASUREMENT INVENTORY				
Measurer GRE-16				
Date 20/05/2016				
Comment				
Internal Ballast total = 267.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	3YM20	
Id	Item	Weight Description		

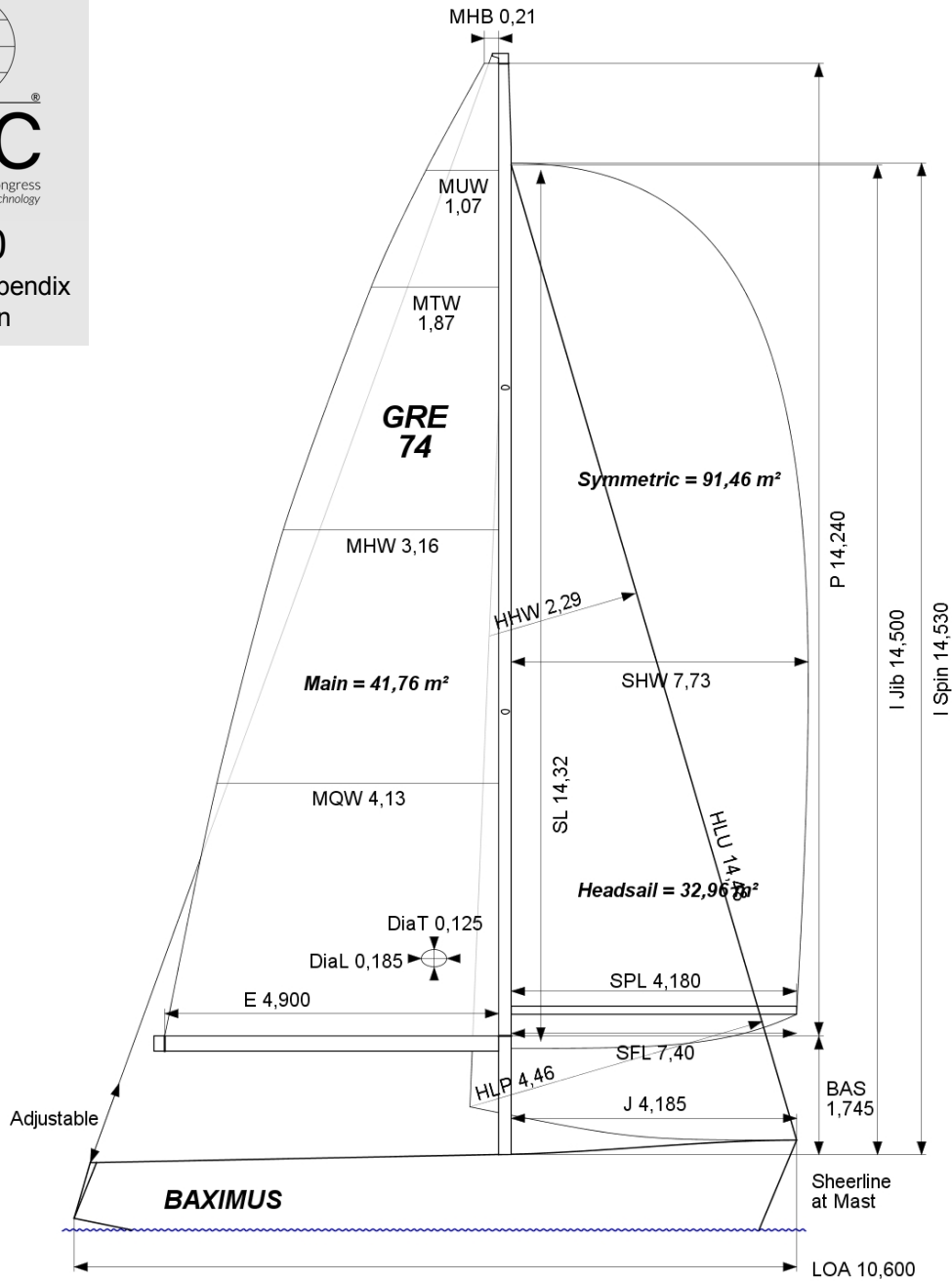
MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
2	Tank water		plastic	120.0	5.50			0-0 empty	
1	Tank diesel		inox	60.0	6.20	-0.20		10-0 almost empty	
Id	Item	Weight	Distance	VCG Description					
4	Ballast	28.0	6.65	-0.40					
3	Ballast	65.0	6.05	-0.40					
2	Ballast	123.0	5.45	-0.40					
1	Ballast	51.0	4.85	-0.40					
3	Battery	13.0	5.55	44Ah					
2	Battery	20.0	5.20	75Ah					
1	Battery	30.0	4.90	120Ah					



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Sail Plan



SAILS INVENTORY

MAINSAIL (3)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.21	1.07	1.87	3.16	4.13	41.76		30/03/2019	Quantum	Carbon	
M1	0.20	1.06	1.86	3.17	4.12	41.71		24/05/2016	Quantum	Carbon	

HEADSAILS (4)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
J1	0.11	0.64	1.21	2.29	3.35	4.46	14.48	107%	32.96	Y	No		19/08/2017	Quantum	Carbon	Light/Medium
SL1	0.09	0.68	1.28	2.40	3.42	4.36	14.21	104%	32.91	Y	No		22/03/2011	Sailloft	Polyest	Jib top
H2	0.10	0.65	1.22	2.29	3.33	4.45	14.37	106%	32.66	Y	No		17/05/2016	Quantum	Carbon	Medium
J3	0.00	0.41	0.85	1.79	2.82	3.97	14.26	95%	26.76	Y	No		15/06/2020	Quantum	Kevlar	Heavy -light skin

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S-1.5	14.33	14.30	14.32	7.73	7.40	91.43		15/06/2020	NorthSails	Nylon	0.5
S-2	14.20	14.20	14.20	7.71	7.37	90.44		17/05/2016	NorthSails	Nylon	0.75
S-1	14.24	14.24	14.24	7.66	7.37	90.22		17/05/2016	NorthSails	Nylon	0.5
3	13.72	13.72	13.72	7.22	6.91	81.84		09/07/2007	Sailloft	Nylon	0.9

ASYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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