

BOAT Name TILE 3 Sail Nr GRE-4	GPH 608.3	HULL Length Overall 11.360m Maximum Beam 3.660m Displacement 5,473kg Draft 2.102m Plan Review IMS Reg. Division Performance Dynamic Allowance 0.000% Hull Construction Cored Carbon Rudder No Crew Arm Extension IMSL 9.834m VCGD -0.028m Sink 19.65kg/mm RL 9.010m VCGM 0.037m WS 26.10m² LSM0 9.741m Displacement/Length ratio 5.9213
GENERAL Class IMX-38 Designer N.JEPPSEN Builder X-YACHTS Series 09/1992 Age 04/1993 Age Allowance 0.487% Offset File ORC0010.OFF - 23/11/1995 11:10:40 Measurement by - 06/08/2002		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	591.9			660.0		
Time on Time	1.0137			1.0227		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	689.8	540.7	486.7	887.3	662.2	581.7
Time on Time	0.9785	1.2484	1.3869	0.7607	1.0193	1.1604

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	991.8	823.9	736.0	703.5	690.7	684.9	679.3
52°	653.8	553.0	510.5	495.6	489.9	487.2	484.7
60°	620.0	532.5	498.2	483.3	476.7	473.3	471.4
75°	595.2	519.0	489.0	471.4	458.5	450.7	444.2
90°	601.4	520.4	488.1	468.4	450.9	435.8	417.0
110°	625.0	520.3	480.5	455.9	437.3	425.4	406.4
120°	641.7	530.4	485.1	458.0	432.6	411.4	387.4
135°	708.9	575.2	506.4	474.9	449.1	423.7	376.9
150°	836.0	665.3	563.4	505.4	476.1	452.0	405.8
Run VMG	965.3	768.2	650.1	575.2	523.3	487.9	440.9

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Crew Weight
Default **663kg**
Maximum **540kg**
Minimum* **405kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **637.4 0.9413**
Non Spin OSN **620.0 0.9678**

Selected Courses							
Windward / Leeward	978.6	796.1	693.0	639.3	607.0	586.4	560.1
Circular Random	830.9	673.6	590.5	543.0	514.2	495.3	470.9
Coastal / Long Distance	977.3	749.3	627.6	561.2	525.0	495.9	450.7
Non Spinnaker	883.4	710.8	617.9	564.0	530.9	509.3	481.4

Sails Limitations
Headsails **5** Spinnakers **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	42.4°	41.3°	40.1°	39.0°	38.3°	38.6°	38.6°
Beat VMG	3.63	4.37	4.89	5.12	5.21	5.26	5.30
52°	5.51	6.51	7.05	7.26	7.35	7.39	7.43
60°	5.81	6.76	7.23	7.45	7.55	7.61	7.64
75°	6.05	6.94	7.36	7.64	7.85	7.99	8.10
90°	5.99	6.92	7.38	7.69	7.98	8.26	8.63
110°	5.76	6.92	7.49	7.90	8.23	8.46	8.86
120°	5.61	6.79	7.42	7.86	8.32	8.75	9.29
135°	5.08	6.26	7.11	7.58	8.02	8.50	9.55
150°	4.31	5.41	6.39	7.12	7.56	7.96	8.87
Run VMG	3.73	4.69	5.54	6.26	6.88	7.38	8.16
Gybe Angles	145.0°	149.0°	151.0°	157.0°	174.0°	180.0°	180.0°

Class Division Length
CDL = **9.418**

Storm Sails Areas
Heavy Weather Jib **32.76**
Storm Jib (JL=10.13) **12.14**
Storm Trysail **11.45**

Owner

BOAT	
Name TILE 3 File GR4IMX	Sail Nr GRE-4 Data in meters/kilograms
RIG	
Forestay Tension Aft	Spreaders 3
Inner Stay None Fitted	Runners/Checkstays 1
Carbon Mast No	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 13.350	E 4.900 MDT1 0.117 MW 0.160
IG 15.480	J 4.390 MDL1 0.200 GO 0.187
ISP 15.431	SFJ 0.295 MDT2 0.116 BD 0.190
BAS 1.826	SPL 4.400 MDL2 0.160 MWT 180.00
FSD 0.042	TPS TL 1.600 MCG 5.000

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 27/07/1997		SG 1.0280	
FFM 1.234	FF 1.225	SFFP 1.098	
FAM 0.939	FA 0.951	SAFP 10.595	
W1 17.0	PD1 41.0	WD 11.960	
W2 34.0	PD2 82.0	GSA 28.3	
W3 51.0	PD3 124.0	RSA 5674.5	
W4 68.0	PD4 165.0	PLM 1628.0	
LCF from stem on CL / on sheer		6.255 / 6.496	
Maximum beam station from stem		6.705	
RM Measured		139.6kg-m	
RM Default		134.3kg-m	
Limit of positive stability / Stab.Index		113.2° / 112.6	
Freeboard at mast at 4.685		1.090	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.398		
Type Folding 2 blades	PBW 0.110		
Twin Screw No	PIPA 0.0031		
ST1 0.048	ST3 0.170	ST5 0.280	
ST2 0.170	ST4 0.097	EDL 1.480	

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COMMENTS	
ex "OKYALOS VII", ex "ALPHA BANK", ex "ALPHACARD-ELECTRON", ex "MAC GREGOR"	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.16	1.08	1.91	3.19	4.13	39.32	40.27	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.25	15.25	15.25	7.90	7.55	99.51		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
0.06	0.62	1.19	2.54	4.08	5.84	14.99	40.66	No	09/05/2014	Kevlar		
0.04	0.52	1.00	2.01	3.08	4.16	15.52	31.83	No	21/06/2017	Unknow		
					3.36	11.80	20.19	No	09/05/2014	Dacron		

MEASUREMENT INVENTORY				
Measurer GRE-9				
Date 27/07/1997				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
4	Anchor	40.0	40.40	Anchor + chain +
2	Anchor	40.0	40.40	Anchor + chain
4	Tools	5.0	8.50	
Id	Item	Maker	Model	
1	Engine	VOLVO	2003	
Id	Item	Weight	Description	
4	Deck Gear	6.0		

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank Fuel		Inox	60.0	6.25		0-0	
2	Tank Water		PVC	135.0	6.25		0-0	
Id	Item	Weight	Distance	VCG Description				
1	Battery	60.0	6.70	3 x 20kg				

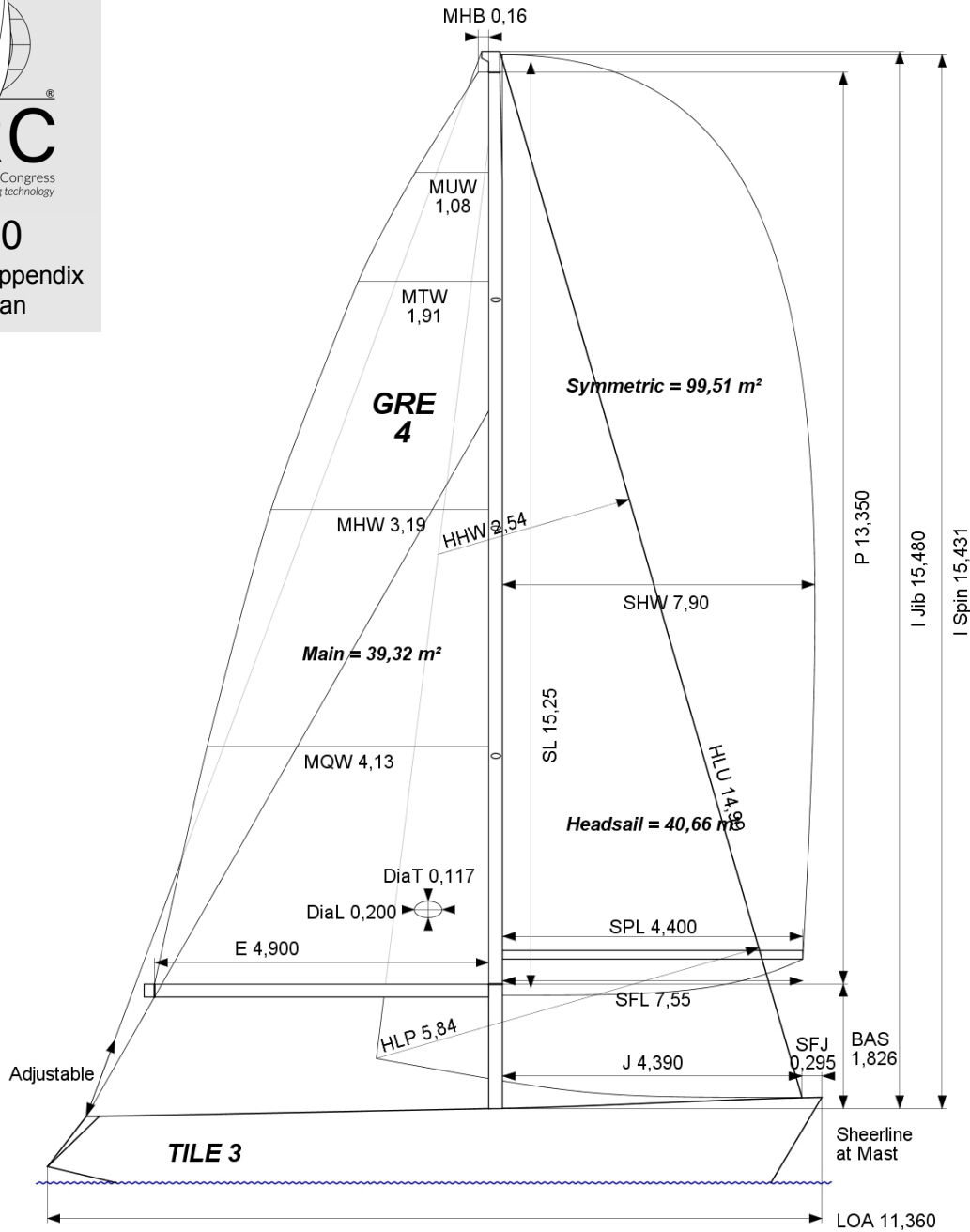


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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.16	1.08	1.91	3.19	4.13	39.33		09/05/2014	ZOUGANELI	Dacron	

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.06	0.62	1.19	2.54	4.08	5.84	14.99	133%	40.66	No	No		09/05/2014	ELVSTROM	Kevlar	
3	0.04	0.52	1.00	2.01	3.08	4.16	15.52	95%	31.83	No	No		21/06/2017	ELVSTROM	Unknow	
4						3.36	11.80	77%	20.19	No	No		09/05/2014	ELVSTROM	Dacron	

SYMMETRIC SPINNAKERS (3)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	15.25	15.25	15.25	7.90	7.55	99.51		09/05/2014	ELVSTROM	Polyester	0.6
2	15.25	15.25	15.25	7.72	7.72	98.11		09/05/2014	ELVSTROM	Polyester	0.5
3	15.32	15.32	15.32	7.40	7.50	94.73		21/06/2017	ELVSTROM	Polyester	

ASYMMETRIC SPINNAKERS (0)

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