

BOAT Name ELLINIXX Sail Nr GRE-2006	GPH 585.3	HULL Length Overall 12.100m Maximum Beam 3.780m Displacement 6,653kg Draft 2.415m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.063% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class IMX-40 Designer N. JEPPESEN Builder X-YACHTS Series 04/2000 Age 07/2001 Age Allowance 0.487% Offset File IMX40.OFF - 17/05/2001 17:04:00 Measurement by - 12/08/2005		IMSLS 10.709m VCGD 0.034m Sink 21.97kg/mm RL 9.827m VCGM 0.041m WS 29.38m² LSM0 10.639m Displacement/Length ratio 5.5248



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SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	568.8			634.1		
Time on Time	1.0548			1.0646		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	667.3	519.2	465.2	858.7	636.1	554.8
Time on Time	1.0116	1.3000	1.4510	0.7861	1.0612	1.2166

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	972.3	804.1	710.7	673.6	659.4	653.5	638.0
52°	641.4	539.8	492.8	476.3	470.5	467.6	460.2
60°	608.1	518.0	480.4	464.9	458.2	454.7	448.5
75°	582.8	503.4	471.6	453.8	441.4	434.2	428.0
90°	589.1	504.4	470.2	451.6	434.7	419.8	401.2
110°	596.1	496.3	458.8	435.9	421.1	410.1	390.3
120°	611.6	505.2	463.1	436.9	412.3	393.8	371.7
135°	675.0	547.7	483.4	453.7	428.5	403.6	355.7
150°	797.8	638.1	539.7	483.9	455.7	432.3	386.7
Run VMG	921.2	736.8	623.2	551.4	503.6	469.1	423.2

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Number **000758**
ORC Ref **GRE01016199**
Issued On **26/07/2019**
VPP Ver. **2019 1.01**
Valid until **28/02/2020**

Crew Weight
Default **752kg**
Maximum **752kg**
Minimum* **564kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **619.2 0.9690**
Non Spin OSN **601.5 0.9975**

Selected Courses							
Windward / Leeward	946.8	770.5	666.9	612.5	581.5	561.3	530.6
Circular Random	802.3	649.2	567.9	521.3	492.7	473.6	447.6
Coastal / Long Distance	944.2	724.7	603.7	537.8	502.8	475.1	430.1
Non Spinnaker	863.6	692.5	599.9	545.8	512.3	490.2	461.3

Sails Limitations
Headsails **6** | 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	42.3°	40.8°	39.9°	38.5°	37.8°	38.0°	37.6°
Beat VMG	3.70	4.48	5.07	5.34	5.46	5.51	5.64
52°	5.61	6.67	7.31	7.56	7.65	7.70	7.82
60°	5.92	6.95	7.49	7.74	7.86	7.92	8.03
75°	6.18	7.15	7.63	7.93	8.16	8.29	8.41
90°	6.11	7.14	7.66	7.97	8.28	8.58	8.97
110°	6.04	7.25	7.85	8.26	8.55	8.78	9.22
120°	5.89	7.13	7.77	8.24	8.73	9.14	9.69
135°	5.33	6.57	7.45	7.93	8.40	8.92	10.12
150°	4.51	5.64	6.67	7.44	7.90	8.33	9.31
Run VMG	3.91	4.89	5.78	6.53	7.15	7.67	8.51
Gybe Angles	142.5°	147.9°	150.0°	156.2°	171.5°	180.0°	180.0°

Class Division Length
CDL = **10.269**

Storm Sails Areas
Heavy Weather Jib **34.75**
Storm Jib (JL=10.43) **12.87**
Storm Trysail **14.36**

Owner

BOAT	
Name ELLINIXX	Sail Nr GRE-2006
File GR2006	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 3
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 15.000	E 5.470 MDT1 0.120 MW 0.240
IG 15.985	J 4.482 MDL1 0.240 GO 0.256
ISP 16.560	SFJ 0.000 MDT2 0.099 BD 0.270
BAS 1.795	SPL 4.900 MDL2 0.182 MWT 181.90
FSP 0.070	TPS TL 0.930 MCG 5.139

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 21/08/2013	SG 1.0290	
FFM 1.389	FF 1.382	SFFP 0.405
FAM 1.118	FA 1.128	SAFP 11.420
W1 100.0	PD1 254.0	WD 12.032
W2 100.0	PD2 254.0	GSA 50.2
W3 100.0	PD3 254.0	RSA 5941.7
W4 100.0	PD4 254.0	PLM 2069.0
LCF from stem on CL / on sheer	6.686 / 6.925	
Maximum beam station from stem	7.990	
RM Measured	170.1kg-m	
RM Default	176.5kg-m	
Limit of positive stability / Stab.Index	118.0° / 119.6	
Freeboard at mast at 4.482	1.256	



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MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.430	
Type Folding 2 blades	PBW	
Twin Screw No	PIPA 0.0031	
ST1 0.048	ST3 0.171	ST5 0.274
ST2 0.169	ST4 0.098	EDL 1.600

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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
	0.250	1.21	2.11	3.55	4.62	49.33 50.47 P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)
Symmetric	SLU	SLE	SL	SHW	SFL	120.62 SL · (SFL + 4·SHW) / 6
	15.85	15.85	15.85	9.32	8.38	
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
0.18	0.77	1.37	2.48	3.55	4.60	15.97	38.85			29/08/2016	Unknow	
0.19	0.72	1.28	2.39	3.52	4.62	15.89	37.95	Y		23/06/2016	Carbon	JIB MEDIUM
0.11	0.61	1.13	2.22	3.36	4.48	15.57	35.02			16/06/2011	Kevlar	#3

MEASUREMENT INVENTORY				
Measurer GRE-56				
Date 21/08/2013				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

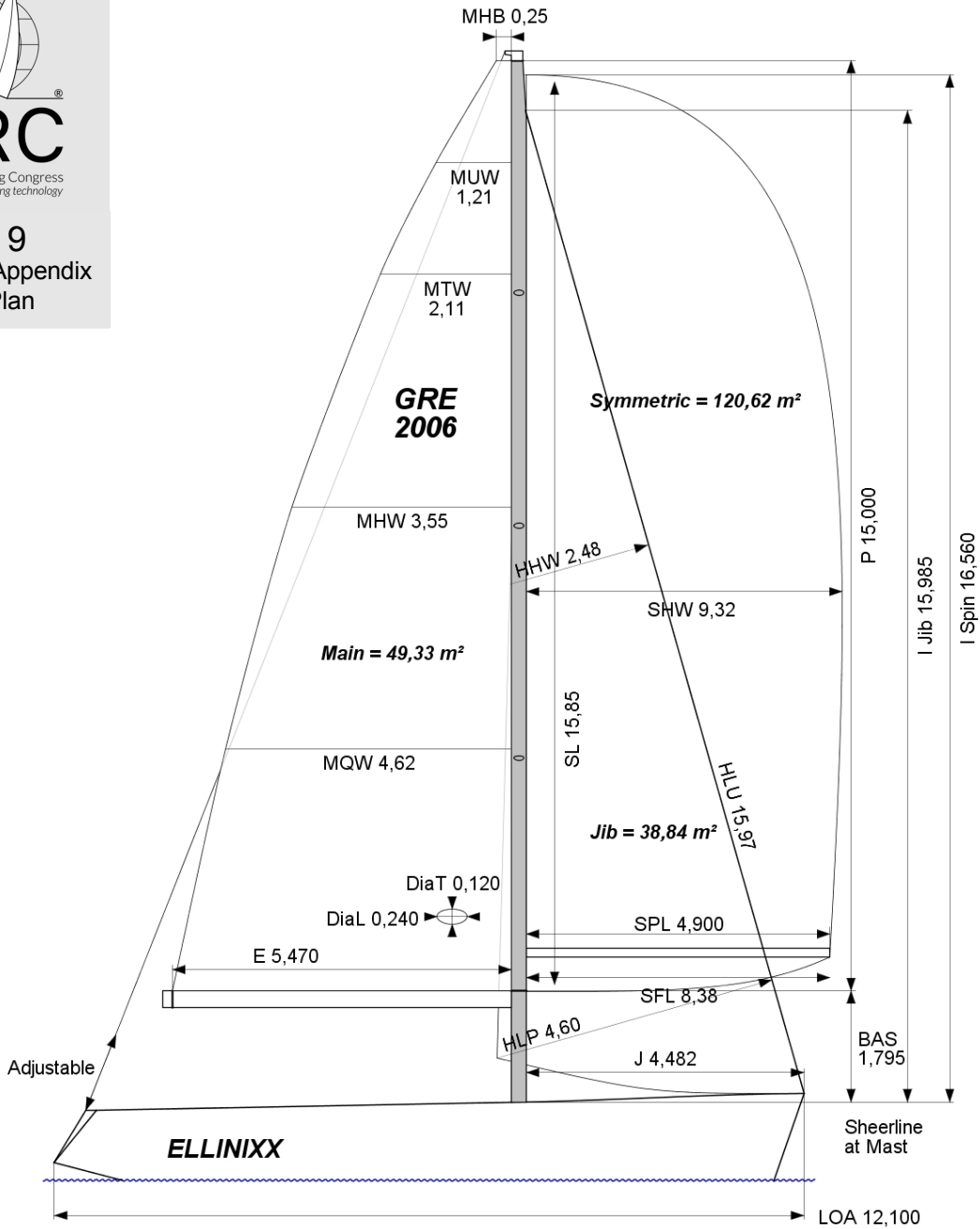
MEASUREMENT INVENTORY						
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG Condtm Description</i>
1	Tank	FUEL	INOX	90.0	9.05	90.0
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>		
1	Ballast	355.0	5.40	LEAD + ZINC		
2	Ballast	112.0	8.00	14 bars x 8kg		



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SAILS INVENTORY

MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.25	1.21	2.11	3.55	4.62	49.34		14/09/2017	QUANTUM	Carbon						
2	0.17	1.16	2.06	3.52	4.59	48.80		23/06/2016	QUANTUM	Carbon						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
7	0.18	0.77	1.37	2.48	3.55	4.60	15.97	103%	38.85				29/08/2016		Unknown	
2	0.19	0.72	1.28	2.39	3.52	4.62	15.89	103%	37.95	Y			23/06/2016	QUANTUM	Carbon	JIB MEDIUM
3	0.11	0.61	1.13	2.22	3.36	4.48	15.57	100%	35.02				16/06/2011	QUANTUM	Kevlar	#3
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
5	15.90	15.80	15.85	9.32	8.38	120.62		27/06/2016		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				