

BOAT Name Esimit Europa 2 Sail Nr SLO 1001	GPH 341.3	HULL Length Overall 30.470m Maximum Beam 5.202m Displacement 26,826kg Draft 5.048m IMS Reg. Division Performance Dynamic Allowance 0.038% Fwd Accommodation No Hull Construction Carbon, Aramid, Light Carbon Rudder Yes Crew Arm Extension 0.00
GENERAL Class Super maxi 100' Designer Reichel / Pugh Builder McConaghy Boats Series 01/2004 Age 01/2004 Age Allowance 0.357% Offset File alfa13.OFF - 22/07/2014 14:41:54 Measurement by Pablo Ferrer - 02/05/2013		IMSL 29.262m VCGD -0.689m Sink 83.59kg/mm RL 22.372m VCGM -0.722m WS 104.30m²



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SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	337.7			386.9		
Time On Time	1.7770			1.7448		
Performance Line	PLT	PLD		PLT	PLD	
	1.536	98.2		1.631	254.4	
Triple Number	Low	Medium	High	Low	Medium	High
	1.7683	2.1946	2.5347	1.3343	1.7067	2.0378

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	630.9	532.0	476.3	446.4	428.8	415.7	403.1
52°	397.2	341.0	309.8	295.1	286.4	279.8	273.5
60°	360.6	313.7	290.8	280.6	273.9	267.0	258.6
75°	321.4	287.2	272.3	261.9	254.8	248.5	235.4
90°	303.6	275.3	258.9	246.2	237.5	232.0	223.1
110°	298.7	268.4	247.7	231.9	220.4	211.4	199.6
120°	303.2	269.0	253.4	230.6	215.1	203.5	187.9
135°	335.0	282.5	256.1	233.3	216.9	202.9	180.6
150°	410.7	334.6	309.6	281.6	250.0	222.7	183.9
Run VMG	474.2	386.4	357.4	325.1	288.7	257.1	212.3

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Number **032/15**
ORC Ref **CRO00056526**
Issued On **30/07/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Selected Courses							
Windward / Leeward	552.6	459.2	416.9	385.8	358.7	336.4	307.7
Circular Random	461.2	377.5	332.6	305.1	286.4	272.4	252.2
Ocean for PCS	494.8	395.9	340.0	304.1	278.6	259.2	231.0
Non Spinnaker	500.2	405.4	353.9	322.7	301.7	285.9	261.1

Crew Weight

Declared **1,620kg**
Default* **3,108kg**
Non Manual Pwr **Yes**

Special Scoring

	ToD	ToT
Non Spin GPH	364.0	1.6484
Non Spin OSN	361.3	1.6605
N/S Perf. Line	55.4	1.324

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	46.9°	44.6°	42.9°	42.0°	41.8°	41.3°	41.2°
Beat VMG	5.71	6.77	7.56	8.06	8.40	8.66	8.93
52°	9.06	10.56	11.62	12.20	12.57	12.86	13.16
60°	9.98	11.48	12.38	12.83	13.14	13.48	13.92
75°	11.20	12.54	13.22	13.75	14.13	14.49	15.29
90°	11.86	13.08	13.91	14.62	15.16	15.52	16.14
110°	12.05	13.41	14.53	15.52	16.33	17.03	18.03
120°	11.87	13.38	14.21	15.61	16.73	17.69	19.16
135°	10.75	12.74	14.06	15.43	16.60	17.75	19.93
150°	8.77	10.76	11.63	12.79	14.40	16.17	19.58
Run VMG	7.59	9.32	10.07	11.07	12.47	14.00	16.95
Gybe Angles	136.4°	140.8°	141.1°	144.5°	141.7°	143.1°	147.8°

Sails Limitations

Headsails	Spinnakers
8	0

Class Division Length

CDL = **25.819**

Storm Sails Areas

Heavy Weather Jib **238.5**
Storm Jib (JL=27.33) **88.37**
Storm Triesail **91.89**

Owner

BOAT	
Name Esimit Europa 2	Sail Nr SLO 1001
File SLO1001.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 02/05/2013	SG 1.0250		
FFM 0.020	FF 0.020	SFFP 0.030	
FAM 0.132	FA 0.132	SAFP 30.470	
W1 348.50	PD1 433.8	WD 25.520	
W2 348.50	PD2 440.8	GSA 1.0	
W3 348.50	PD3 440.9	RSA 1.0	
W4 348.50	PD4 440.6	PLM 9000.0	
LCF from stem on CL / on sheer		16.522 / 16.718	
Maximum beam station from stem		20.446	
RM Measured		1595.4kg·m	
RM Default		1966.8kg·m	
Limit of positive stability / Stab.Index		111.0° / 125.7	
Freeboard at mast at 12.700		1.731	

RIG			
Forestay Tension Aft	Spreaders 5		
Inner Stay None Fitted	Runners 2		
Carbon Mast Yes	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging Yes	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 39.600	E 13.260	MDT1 0.236	MW 0.448
IG 42.040	J 11.450	MDL1 0.465	GO 0.448
ISP 42.040	SFJ 1.250	MDT2 0.170	BD 0.652
BAS 2.240	SPL 0.000	MDL2 0.305	MWT 1066.0
FSP 0.000	TPS 16.230	TL 2.650	MCG 16.690



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2015 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

Certificate	
Number 032/15	
ORC Ref CRO00056526	
Issued On 30/07/2015	
VPP Ver. 2015 1.01	
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COMMENTS	
Tungsten bulb grandfathered Dock heel = 23.25	

MOVEABLE BALLAST	
Keel Angle 41.0	
List Angle 23.3	

CENTERBOARD	
N/A	



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Invalid for Racing

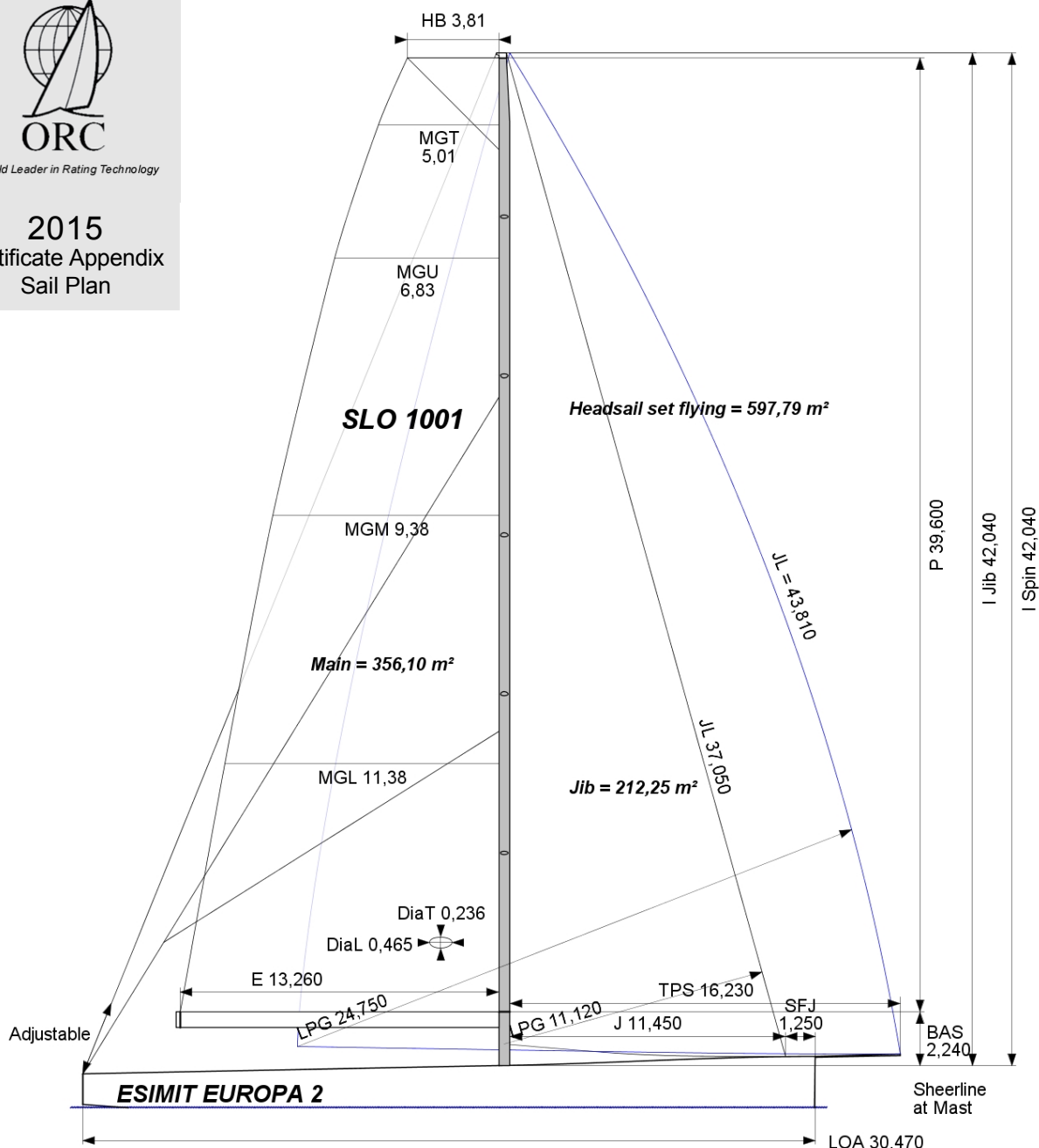
SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula	
	3.810	5.01	6.83	9.38	11.38	356.10	365.56	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Symmetric									
Not Available									
Asymmetric									
Not Available									

HEADSAILS												
Area = 0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0.13	4.05	7.91	14.6	20.1	24.75	43.81	597.86		Y	09/09/2014	Carbon	
0.10	2.15	4.42	9.13	13.7	18.38	42.88	391.85		Y		Unknow	
0.10	2.72	5.39	10.3	14.6	18.68	38.20	377.27		Y	09/09/2014	Carbon	
0.15	1.77	3.21	5.75	8.35	11.12	37.05	212.28	Y				Medium jib



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Sail Plan



SAILS INVENTORY																
MAINSAIL																
Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	3.810	5.01	6.83	9.38	11.38	356.10	Bertone	17/09/2014	North Sails	Carbon						
HEADSAILS																
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
R1B	0.13	4.05	7.91	14.6	20.1	24.75	43.81	216%	597.86		Y	Giacomi	09/09/2014	North Sails	Carbon	
UWOC	0.10	2.15	4.42	9.13	13.7	18.38	42.88	161%	391.85		Y	Olivo		North Sails	Unknow	
R2B	0.10	2.72	5.39	10.3	14.6	18.68	38.20	163%	377.27		Y	Giacomi	09/09/2014	North Sails	Carbon	
C1	0.15	1.77	3.21	5.75	8.35	11.12	37.05	97%	212.28	Y		Olivo		North Sails		Medium jib
SYMMETRIC SPINNAKERS																
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment							
ASYMMETRIC SPINNAKERS																
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				