

BOAT	GPH	HULL
Name FURIOSA Sail Nr EST 999	463,0	Length Overall 14,990m Maximum Beam 4,252m Displacement 7 599kg Draft 3,550m IMS Reg. Division Performance Dynamic Allowance 0,003% Fwd Accommodation Yes Hull Construction Carbon Carbon Rudder Yes Crew Arm Extension
GENERAL		IMSL 14,262m VCGD -0,344m Sink 30,52kg/mm
Class COOKSON 50 m od Designer FARR Builder COOKSON NZ Series 01.2004 Age 04.2007 Age Allowance 0,390% Offset File Cam il.off - 10.05.2016 17:39:02 Measurement by Boym o/Lindquist - 06.06.2016		RL 14,408m VCGM -0,358m WS 39,85m²
		LSM0 14,045m Displacement/Length ratio 2,7428



2016
ORC International
Certificate

Rating Office
EYU Regati 1 11911 Estonia

	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	451,8			514,2		
Time On Time	1,3281			1,3128		
Performance Line	0,844	5,4		1,181	235,3	
Triple Number	Low 1,2734	Medium 1,6337	High 1,9179	Low 0,9745	Medium 1,2946	High 1,5383

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	779,3	647,0	589,1	556,3	535,5	519,3	509,3
52°	502,6	428,6	402,3	389,9	381,0	369,3	356,3
60°	467,1	409,7	386,8	372,8	362,5	351,4	335,2
75°	438,5	392,7	361,4	343,1	331,5	323,1	300,1
90°	438,2	392,4	357,8	325,6	308,6	297,3	280,7
110°	462,5	396,8	360,2	334,7	315,2	290,0	248,9
120°	481,1	402,0	360,2	327,9	307,4	286,2	249,0
135°	542,4	429,3	387,6	349,7	312,0	275,0	235,5
150°	652,0	512,2	436,3	391,4	362,7	328,7	256,2
Run VMG	752,9	591,4	503,8	454,0	418,8	379,5	295,8

Certificate
Number EST999 ORC Ref EST00001167 Issued On 27.06.2016 VPP Ver. 2016 1.01 Valid until 31.12.2016

Crew Weight
Declared 1 100kg Default* 1 117kg Non Manual Pwr Yes

Special Scoring
ToD ToT Double H.GPH 471,0 1,2740 Double H.OSN 462,1 1,2986 Non Spin GPH 494,4 1,2136 Non Spin OSN 485,8 1,2350 N/S Perf. Line -24,4 0,725

Selected Courses							
Windward / Leeward	766,1	619,2	546,4	505,1	477,2	449,4	402,6
Circular Random	638,0	516,3	450,2	409,7	381,8	360,2	326,2
Ocean for PCS	791,9	610,9	507,9	442,6	397,0	362,0	308,1
Non Spinnaker	689,6	554,6	480,2	434,2	403,1	380,1	346,8

Sails Limitations
Headsails 8 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	43,8°	41,5°	41,0°	39,1°	37,4°	36,4°	36,0°
Beat VMG	4,62	5,56	6,11	6,47	6,72	6,93	7,07
52°	7,16	8,40	8,95	9,23	9,45	9,75	10,10
60°	7,71	8,79	9,31	9,66	9,93	10,25	10,74
75°	8,21	9,17	9,96	10,49	10,86	11,14	12,00
90°	8,22	9,17	10,06	11,06	11,67	12,11	12,82
110°	7,78	9,07	9,99	10,76	11,42	12,41	14,46
120°	7,48	8,96	9,99	10,98	11,71	12,58	14,46
135°	6,64	8,39	9,29	10,29	11,54	13,09	15,29
150°	5,52	7,03	8,25	9,20	9,93	10,95	14,05
Run VMG	4,78	6,09	7,15	7,93	8,60	9,49	12,17
Gybe Angles	141,1°	140,7°	147,3°	152,3°	149,3°	146,3°	141,0°

Class Division Length
CDL = 14,336

Storm Sails Areas
Heavy Weather Jib 56,36 Storm Jib (JL=13,28) 20,87 Storm Try sail 26,19

COMMENTS	

MOVEABLE BALLAST	
Keel Angle	36,0
List Angle	14,6

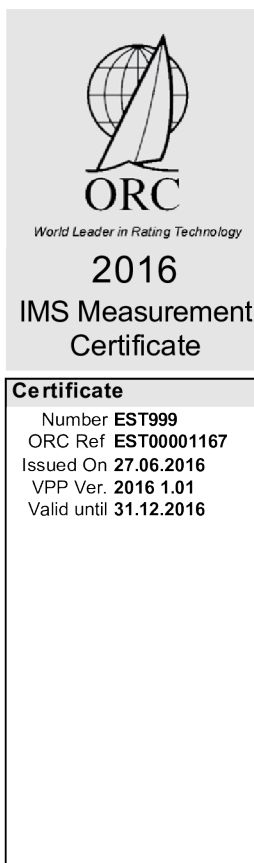
BILGEBOARD			
BS	2,100	BT	0,058 BA
BF	0,000	BX	5,576
BC	0,431	BY	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	1,490	2,21	3,16	4,74	6,08	93,88	96,04	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric									
Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL				
	25.20	22.02	23.61	13.13	12.85	257.23		AS · (SFL + 4·SHW) / 6	

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
0,15	1,08	1,96	3,44	4,84	6,20	20,82	69,36			06.06.2016	Unknow	
0,15	1,04	1,88	3,45	4,89	6,19	20,85	69,34			06.06.2016	Unknow	
0,11	0,84	1,67	3,31	4,91	6,42	20,61	67,51			09.12.2009	Carbon	Racing 14
	0,85	1,67	3,30	4,89	6,42	20,63	67,48			09.08.2013	Carbon	Racing 14
0,14	1,01	1,87	3,38	4,82	6,21	20,50	67,48			10.07.2014	Carbon	Racing
0,10		1,62	3,19	4,83	6,50	20,16	65,35			30.04.2009	Carbon	Racing
0,16	0,87	1,64	3,09	4,53	5,94	20,45	62,65			01.07.2014	Carbon	Racing
		1,22	2,36	3,61	4,94	18,03	43,94				Kevlar	Stay sail
		1,06	2,13	3,25	4,44	17,90	39,15				Kevlar	Stay sail

MEASUREMENT INVENTORY					
Measurer		Lindquist			
Date		12.06.2012			
Comment					
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>	
SaS Tools		74,5	8,13	0,00	Sailor-Services
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>			

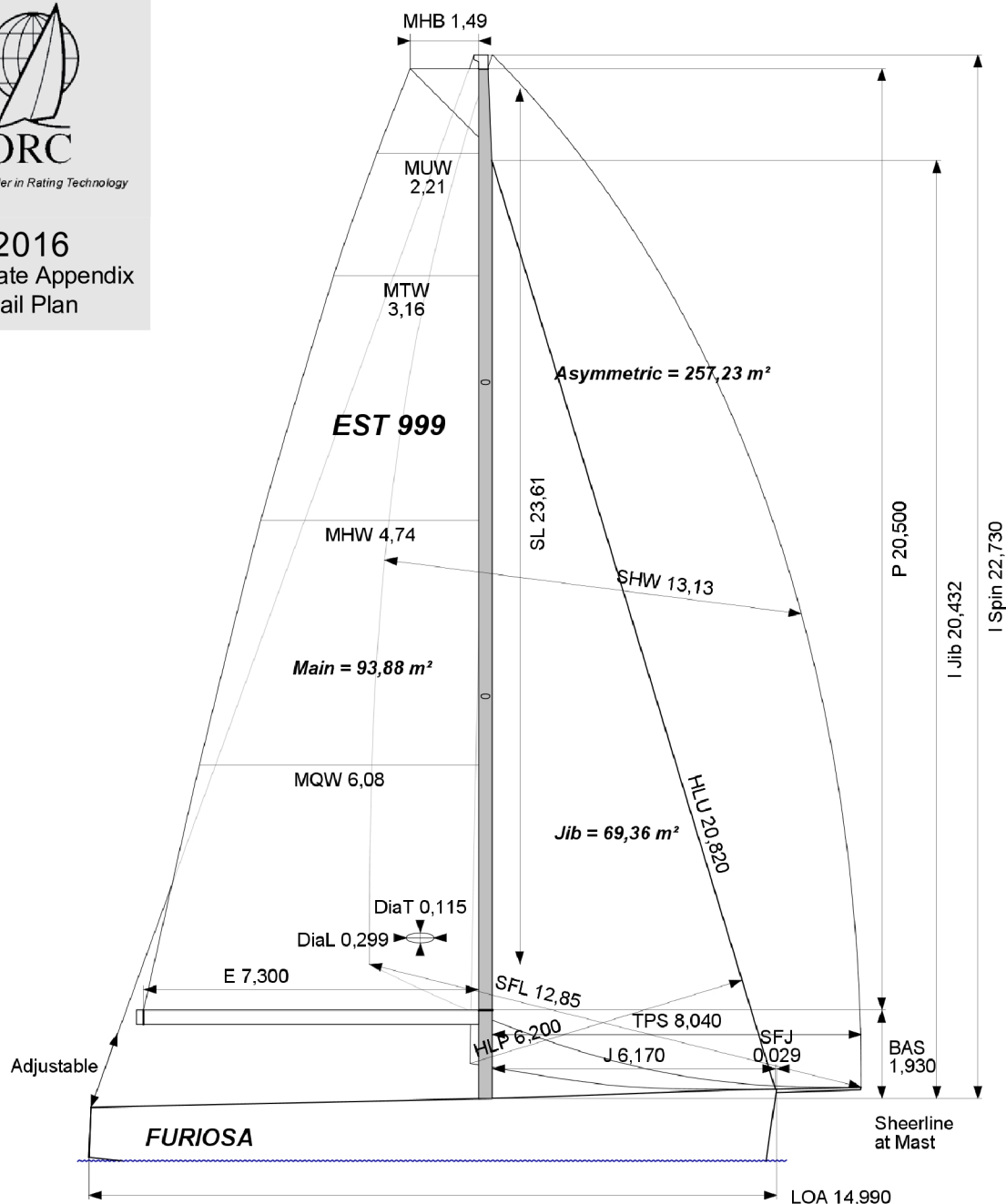
MEASUREMENT INVENTORY				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>





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2016 Certificate Appendix Sail Plan



SAILS INVENTORY

MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M4-16	1,490	2,21	3,16	4,74	6,08	93,88	BG03	30.05.2016		Unknown	

HEADSAILS

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
JibTop	0,15	1,08	1,96	3,44	4,84	6,20	20,82	100%	69,36			BG03	06.06.2016		Unknown	
Jib1-	0,15	1,04	1,88	3,45	4,89	6,19	20,85	100%	69,34			BG03	06.06.2016		Unknown	
J1LM-	0,11	0,84	1,67	3,31	4,91	6,42	20,61	104%	67,51			K.Mille	09.12.2009	North Sails	Carbon	Racing 14
J1L-		0,85	1,67	3,30	4,89	6,42	20,63	104%	67,48			1192	09.08.2013	North Sails	Carbon	Racing 14
JM	0,14	1,01	1,87	3,38	4,82	6,21	20,50	101%	67,48			160 ITA	10.07.2014	Montefusco	Carbon	Racing
JT NS-	0,10		1,62	3,19	4,83	6,50	20,16	105%	65,35			193 DEN?	30.04.2009	North Sails	Carbon	Racing
JH	0,16	0,87	1,64	3,09	4,53	5,94	20,45	96%	62,65			160 ITA	01.07.2014	Montefusco	Carbon	Racing

SYMMETRIC SPINNAKERS

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

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A2-14 MF	25,20	22,02	23,61	13,13	12,85	257,23	asym	160 ITA	10.07.2014	Montefusco	Nylon	Racing
A4-14 MF	25,27	22,45	23,86	12,78	13,17	255,66	asym	160 ITA	10.07.2014	Montefusco	Nylon	Racing
A1-14 MF	24,46	22,64	23,55	12,70	13,38	251,91	asym	160 ITA	10.07.2014	Montefusco	Nylon	Racing
A3-08 NS	24,30	22,40	23,35	11,46	13,55	231,13	asym	206 DEN	24.04.2008	North Sails	Nylon	12-24kn, 125-140°, Racing
CZ2OS-10	22,92	20,88	21,90	8,18	10,87	159,10	asym	36 ESP	25.06.2010	One Sails	Carbon	New Cable?