

BOAT Name FOXY LADY Sail Nr 4646	GPH 590.5	HULL Length Overall 12.100m Maximum Beam 3.780m Displacement 6,525kg Draft 2.409m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class IMX 40 Designer JEPPESEN Builder X YACHTS Series 01/2000 Age 01/2001 Age Allowance 0.487% Offset File IMX40.OFF - 17/05/2001 17:04:00 Measurement by MONT/PFERRER/BOYMO - 18/04/2015		IMSL 10.676m VCGD 0.024m Sink 21.84kg/mm RL 9.974m VCGM 0.036m WS 29.16m²




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2015
ORC International
Certificate

Rating Office

Offshore
Racing
Congress



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	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	574.7			640.2		
Time On Time	1.0441			1.0543		
Performance Line	0.895	105.5		0.852	176.9	
Triple Number	Low 0.9919	Medium 1.2920	High 1.4608	Low 0.7600	Medium 1.0456	High 1.2282

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	976.1	810.1	712.6	668.6	646.2	632.2	625.6
52°	635.4	532.7	485.2	469.4	461.9	457.6	452.9
60°	597.3	507.2	471.7	456.5	448.9	444.4	439.3
75°	565.8	490.5	461.7	443.0	429.1	421.5	414.8
90°	569.8	492.9	463.6	444.1	425.4	408.8	390.8
110°	615.8	507.2	464.8	439.1	415.3	402.0	383.1
120°	636.6	521.8	472.2	446.3	421.5	397.6	369.7
135°	712.2	577.5	501.7	466.6	443.3	419.9	374.2
150°	854.2	675.4	569.0	501.5	467.7	444.9	400.5
Run VMG	986.3	779.9	656.3	571.1	510.4	473.8	428.6

Certificate

Number **6186**
ORC Ref **SSF00001329**
Issued On **27/08/2015**
VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **850kg**
Default* **749kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	612.4	0.9798
Non Spin OSN	595.7	1.0073
N/S Perf. Line	82.3	0.826

Selected Courses							
Windward / Leeward	981.2	795.0	684.5	619.8	578.3	553.0	527.1
Circular Random	816.2	658.1	572.8	523.0	492.0	471.6	446.0
Ocean for PCS	870.1	687.4	585.4	523.1	482.1	452.8	411.2
Non Spinnaker	855.0	685.7	593.6	539.0	504.8	482.0	453.1

Sails Limitations

Headsails	Spinnakers
7	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	43.5°	42.5°	41.5°	39.5°	38.2°	37.2°	37.2°
Beat VMG	3.69	4.44	5.05	5.38	5.57	5.69	5.75
52°	5.67	6.76	7.42	7.67	7.79	7.87	7.95
60°	6.03	7.10	7.63	7.89	8.02	8.10	8.19
75°	6.36	7.34	7.80	8.13	8.39	8.54	8.68
90°	6.32	7.30	7.77	8.11	8.46	8.81	9.21
110°	5.85	7.10	7.75	8.20	8.67	8.95	9.40
120°	5.66	6.90	7.62	8.07	8.54	9.05	9.74
135°	5.05	6.23	7.18	7.72	8.12	8.57	9.62
150°	4.21	5.33	6.33	7.18	7.70	8.09	8.99
Run VMG	3.65	4.62	5.49	6.30	7.05	7.60	8.40
Gybe Angles	143.5°	148.8°	152.4°	159.1°	173.6°	178.2°	178.3°

Class Division Length
CDL = **10.326**

Storm Sails Areas

Heavy Weather Jib **34.79**
Storm Jib (JL=10.43) **12.89**
Storm Triesail **14.24**

Owner

BOAT	
Name FOXY LADY	Sail Nr 4646
File 6186.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 18/04/2015		SG 1.0120	
FFM 1.384	FF 1.388	SFFP 0.405	
FAM 1.129	FA 1.134	SAFP 11.420	
W1 102.50	PD1 602.0	WD 12.470	
W2 102.50	PD2 603.5	GSA 1.0	
W3 102.50	PD3 604.3	RSA 1.0	
W4 102.50	PD4 604.5	PLM 9000.0	
LCF from stem on CL / on sheer		6.674 / 6.915	
Maximum beam station from stem		7.990	
RM Measured		166.8kg·m	
RM Default		177.2kg·m	
Limit of positive stability / Stab.Index		118.5° / 119.7	
Freeboard at mast at 4.500		1.262	

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 14.790	E 5.500	MDT1 0.116	MW 0.243
IG 16.000	J 4.500	MDL1 0.243	GO 0.258
ISP 16.040	SFJ	MDT2 0.105	BD 0.270
BAS 1.800	SPL 4.500	MDL2 0.205	MWT 174.70
FSP 0.072	TPS	TL 0.605	MCG 5.130



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2015 Measurements Datasheet

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 0.170	ST5 0.270	
ST2 0.170	ST4 0.098	EDL 1.595	

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	0.180	1.10	2.01	3.48	4.53	47.56 48.54 $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			
	15.50	8.37	8.00	107.16	$SL \cdot (SF + 4 \cdot SMG) / 6$	
Asymmetric						
Not Available						

HEADSAILS												
Area = $0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$												
JH	JGT	JGU	JGM	JGL	LPG	JL	Area	Btn	Fly	Meas.Date	Material	Comment
0.08	0.82	1.59	3.19	4.80	6.48	15.97	51.36				Unknow	
0.08	0.76	1.46	2.97	4.59	6.30	15.95	48.83				Unknow	
0.08	0.59	1.14	2.26	3.45	4.64	15.85	36.49				Unknow	

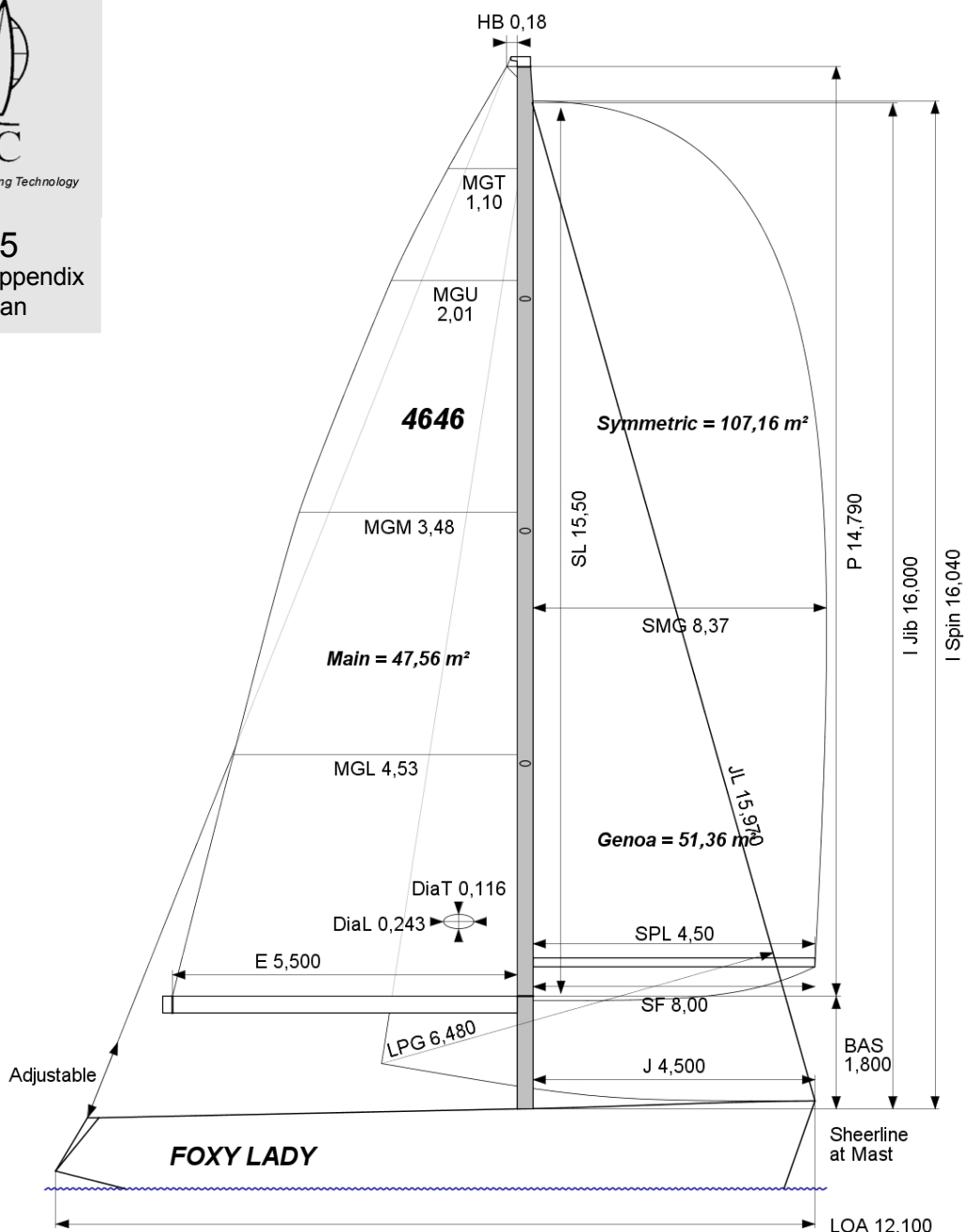
MEASUREMENT INVENTORY				
Measurer Per Boymo PB				
Date 18/04/2015				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Weight	Distance	VCG Description

MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	Diesel		SS	80.0	8.90	0.00	10-0	
2	Tank	Water		S.S	145.0	5.80		0-0	Empty
3	Tank	Water		S.S	90.0	8.90		0-0	Empty
Id	Item	Weight	Distance	VCG	Description				
1	Ballast	126.0	7.10		14 tackor bly x 9kg				
2	Ballast	18.0	7.10		2 tackor bly x 9 kg				
1	Battery	48.0	6.00		2 batteries 180 AH				



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
N 2012	0.180	1.10	2.01	3.48	4.53	47.56	OLKKONEN	11/05/2008		Unknown	

HEADSAILS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1L	0.08	0.82	1.59	3.19	4.80	6.48	15.97	144%	51.36						Nylon	Unknow
G1M/H	0.08	0.76	1.46	2.97	4.59	6.30	15.95	140%	48.83						Nylon	Unknow
G3	0.08	0.59	1.14	2.26	3.45	4.64	15.85	103%	36.49						Nylon	Unknow

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
NS2	15.50	8.37	8.00	107.16	OLKKONEN	11/05/2008		Nylon	
NS1	16.01	7.98	8.17	106.97	OLKKONEN	11/05/2008		Nylon	
S3	15.70	8.10	8.00	105.71				Unknown	
NS0	16.20	7.22	8.30	100.39				Nylon	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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