

BOAT Name FOXY LADY Sail Nr 4646	GPH 587.7	HULL Length Overall 12.100m Maximum Beam 3.780m Displacement 6,328kg Draft 2.400m 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 LINDQVIST - 18/04/2015		IMSL 10.620m VCGD 0.022m Sink 21.60kg/mm RL 9.815m VCGM 0.044m WS 28.81m² LSMO 10.562m Displacement/Length ratio 5.3707



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	571.8			639.4		
Time On Time	1.0494			1.0556		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	675.5	520.4	461.1	878.1	643.4	554.0
Time on Time	0.9993	1.2971	1.4638	0.7687	1.0491	1.2185

TIME ALLOWANCES	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	980.1	813.7	715.7	674.0	654.1	642.5	632.9
52°	638.8	535.4	487.4	471.7	464.7	460.7	456.1
60°	600.5	509.5	473.6	458.2	450.9	446.5	442.2
75°	568.1	492.2	462.8	443.4	429.3	421.8	414.8
90°	568.2	491.1	461.6	440.9	421.0	404.4	387.9
110°	612.5	504.0	462.3	435.3	414.3	402.2	380.9
120°	631.3	516.7	468.9	441.9	415.0	390.2	364.2
135°	700.4	565.9	493.4	460.7	436.0	411.0	362.2
150°	830.6	657.9	554.9	492.7	462.0	438.8	393.2
Run VMG	959.1	759.7	640.5	562.8	511.1	474.0	428.1

Certificate

Number **6186**
ORC Ref **SSF00000033**
Issued On **30/05/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight

Declared **850kg**
Default* **744kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **610.2 0.9833**
Non Spin OSN **594.6 1.0090**

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	969.6	786.7	678.1	618.4	582.6	558.3	530.5
Circular Random	810.7	654.2	570.1	521.1	490.6	470.3	444.3
Ocean for PCS	997.8	769.5	640.6	561.8	510.5	474.7	425.6
Non Spinnaker	850.1	682.5	591.6	537.9	504.3	482.0	453.5

Sails Limitations

Headsails	Spinnakers
6	4

Velocity Prediction in Knots for True Wind Speeds	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43.3°	42.4°	41.6°	39.7°	38.6°	37.9°	37.6°
Beat VMG	3.67	4.42	5.03	5.34	5.50	5.60	5.69
52°	5.64	6.72	7.39	7.63	7.75	7.81	7.89
60°	5.99	7.07	7.60	7.86	7.98	8.06	8.14
75°	6.34	7.31	7.78	8.12	8.39	8.54	8.68
90°	6.34	7.33	7.80	8.16	8.55	8.90	9.28
110°	5.88	7.14	7.79	8.27	8.69	8.95	9.45
120°	5.70	6.97	7.68	8.15	8.68	9.23	9.88
135°	5.14	6.36	7.30	7.81	8.26	8.76	9.94
150°	4.33	5.47	6.49	7.31	7.79	8.20	9.16
Run VMG	3.75	4.74	5.62	6.40	7.04	7.59	8.41
Gybe Angles	144.4°	148.6°	150.6°	155.8°	170.5°	180.0°	180.0°

Class Division Length

CDL = **10.218**

Storm Sails Areas

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

Owner

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

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 15/05/2017		SG 1.0120	
FFM 1.392	FF 1.397	SFFP 0.405	
FAM 1.140	FA 1.143	SAFP 11.420	
W1 101.1	PD1 579.3	WD 11.786	
W2 101.1	PD2 584.5	GSA 1.0	
W3 101.1	PD3 579.7	RSA 1.0	
W4 101.1	PD4 575.7	PLM 9000.0	
LCF from stem on CL / on sheer		6.653 / 6.894	
Maximum beam station from stem		7.990	
RM Measured		161.8kg·m	
RM Default		173.4kg·m	
Limit of positive stability / Stab.Index		118.4° / 119.2	
Freeboard at mast at 4.500		1.271	

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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IMS Measurement Certificate

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	

Certificate	
Number 6186	
ORC Ref SSF00000033	
Issued On 30/05/2017	
VPP Ver. 2017 1.00	
Valid until 31/12/2017	

COMMENTS	

MOVEABLE BALLAST	
N/A	



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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.180	1.10	2.00	3.46	4.53	47.46	48.42	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	107.16		SL · (SFL + 4·SHW) / 6	
	15.50	15.50	15.50	8.37	8.00				
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
0.10	0.84	1.60	3.15	4.73	6.39	15.65	49.80	Y		08/03/2017	Unknow	
0.10	0.79	1.51	3.03	4.65	6.30	15.95	49.47			25/03/2017	Unknow	
0.10	0.74	1.46	2.98	4.55	6.21	15.71	47.74	Y		08/03/2017	Unknow	
0.08	0.59	1.14	2.26	3.45	4.64	15.85	36.49	Y			Unknow	
0.09	0.53	1.06	2.13	3.27	4.42	15.13	32.94	Y			Unknow	HEAVY WEATHER JIB
0.08	0.48	0.89	1.72	2.59	3.46	13.96	24.30	Y		17/02/2017	Unknow	
			1.32		2.92	8.67	12.56			17/05/2017	Unknow	Storm

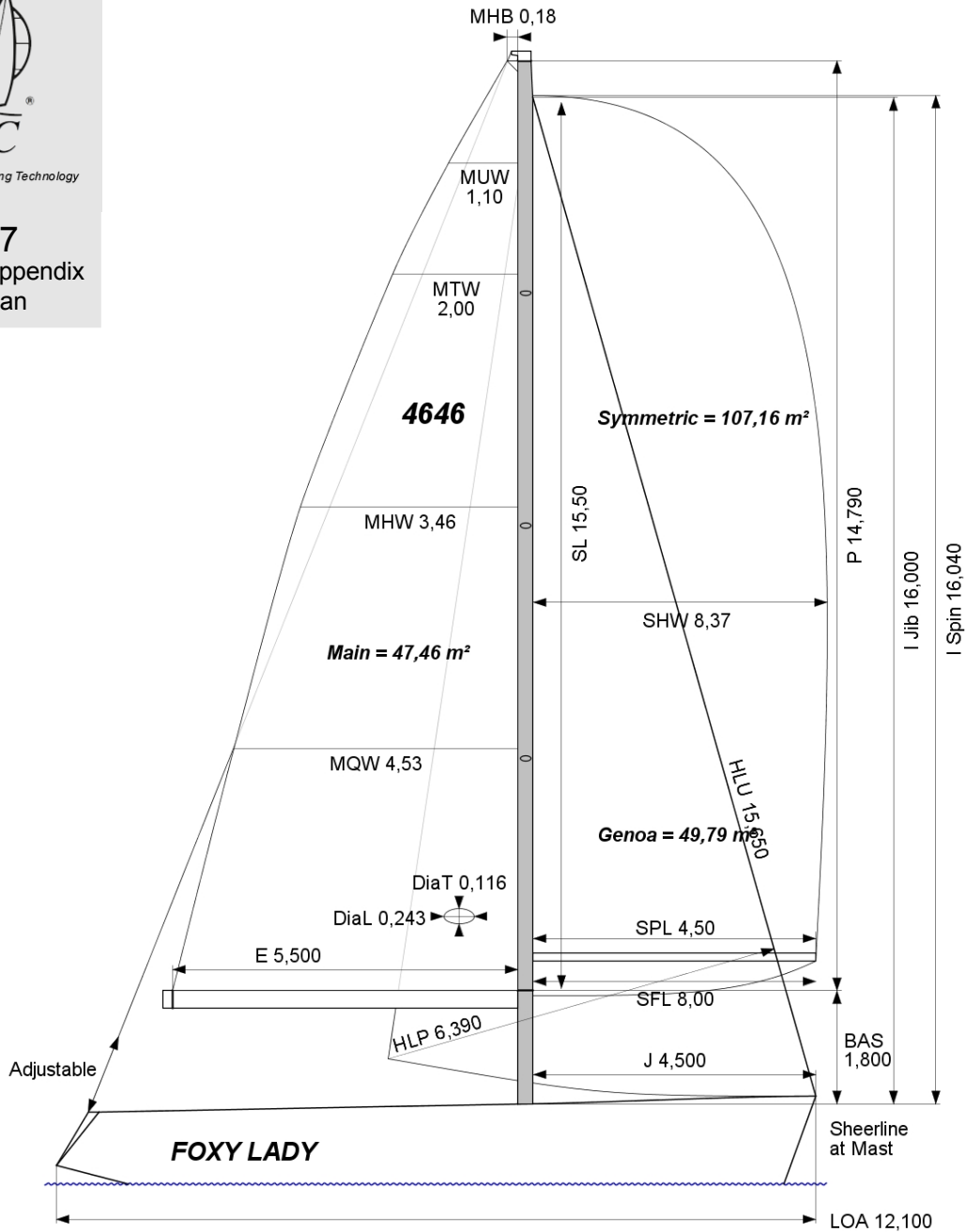
MEASUREMENT INVENTORY				
Measurer Mikael Lindqvist 1129				
Date 15/05/2017				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
e	Engine	Volvo Penta	MD2040D	
Id	Item	Weight Description		

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
dt	Tank	DIESEL	S.S	90.0	8.90	0.00	0-0
wt	Tank	WATER	S.S	140.0	5.80	0.00	0-0
ht	Tank	HOLDING	S.S	24.0	3.60	0.00	0-0
Id	Item	Weight	Distance	VCG Description			
l	Ballast	81.0	7.10	0.00 9 x 9 kg lead			
b1	Battery		8.40	0.00 1 x 70 Ah			
b2	Battery	90.0	6.00	0.00 2 x 140 Ah			



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (2)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
#1 2012	0.180	1.10	2.00	3.46	4.53	47.46	1211	17/05/2017	North	Unknown	
#2 2014	0.180	1.10	2.00	3.45	4.53	47.42	1211	17/05/2017	North	Unknown	

HEADSAILS (7)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
#7GRea	0.10	0.84	1.60	3.15	4.73	6.39	15.65	142%	49.80	Y		Shymali	08/03/2017	North	Unknown	
#6G1L	0.10	0.79	1.51	3.03	4.65	6.30	15.95	140%	49.47			Shymali	25/03/2017	North	Unknown	
#2G2	0.10	0.74	1.46	2.98	4.55	6.21	15.71	138%	47.74	Y		1211	08/03/2017	North	Unknown	
#3 G3	0.08	0.59	1.14	2.26	3.45	4.64	15.85	103%	36.49	Y				North	Unknown	
#4 G3,5	0.09	0.53	1.06	2.13	3.27	4.42	15.13	98%	32.94	Y				North	Unknown	HEAVY WEATHER
#8stag	0.08	0.48	0.89	1.72	2.59	3.46	13.96	77%	24.30		Y	Hemamali	17/02/2017	North	Unknown	
#1				1.32	2.92	8.67	65%	12.56				1211	17/05/2017	North	Unknown	Storm

SYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
#1S2	15.50	15.50	15.50	8.37	8.00	107.16			North	Nylon	
#3S1	16.01	16.01	16.01	7.98	8.17	106.97			North	Nylon	
#2 S3	15.70	15.70	15.70	8.10	8.00	105.71			North	Unknown	
#4 S0	16.20	16.20	16.20	7.22	8.30	100.39			North	Nylon	

ASYMMETRIC SPINNAKERS (0)

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