

BOAT Name FOXY LADY Sail Nr DEN 67	GPH 602.6	HULL Length Overall 10.600m Maximum Beam 3.250m Displacement 4,487kg Draft 2.173m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-35 OD Designer JEPPESEN Builder X YACHTS Series 09/2005, CIN DK-XYA35067E606 Age 01/2006 Age Allowance 0.455% Offset File x35.od - 11/04/2019 22:04:23 Measurement by - 04/05/2006		IMSL 9.449m VCGD 0.053m Sink 17.60kg/mm RL 9.076m VCGM 0.043m WS 22.90m² LSM0 9.270m Displacement/Length ratio 5.6327



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	587.5			653.8		
Time on Time	1.0213			1.0324		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	677.1	537.7	485.1	870.2	655.9	579.0
Time on Time	0.9969	1.2553	1.3914	0.7757	1.0291	1.1658

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	972.3	806.2	725.2	700.9	691.3	680.5	676.5
52°	642.9	546.1	510.6	500.4	496.1	493.3	486.5
60°	610.2	528.8	499.1	487.8	482.9	480.3	471.3
75°	585.4	517.7	490.0	472.6	462.3	456.8	449.8
90°	590.4	518.2	489.2	468.3	449.3	435.0	422.1
110°	604.6	513.2	478.0	452.2	436.2	423.7	404.0
120°	622.6	522.1	483.4	453.8	426.3	406.1	380.8
135°	690.5	562.9	504.4	474.2	445.8	418.4	361.2
150°	818.9	655.0	556.2	504.2	475.9	449.4	398.6
Run VMG	945.6	756.3	641.2	569.7	519.0	487.2	437.0

Certificate
Number **35000**
ORC Ref **DEN00000461**
Issued On **31/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **618kg**
Maximum **640kg**
Minimum* **480kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	614.0	0.9771
Double H.OSN	601.0	0.9984
Non Spin GPH	632.1	0.9492
Non Spin OSN	615.4	0.9750

Selected Courses							
Windward / Leeward	959.0	781.3	683.2	635.3	605.2	583.8	556.8
Circular Random	817.5	665.3	585.4	540.0	512.2	493.5	468.0
Coastal / Long Distance	957.6	736.2	620.7	559.5	524.4	494.8	448.6
Non Spinnaker	870.7	702.8	613.1	561.4	529.7	508.7	481.3

Sails Limitations

Headsails	Spinnakers
5	3

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	42.1°	40.8°	39.0°	37.7°	37.7°	37.2°	38.0°
Beat VMG	3.70	4.47	4.96	5.14	5.21	5.29	5.32
52°	5.60	6.59	7.05	7.19	7.26	7.30	7.40
60°	5.90	6.81	7.21	7.38	7.46	7.49	7.64
75°	6.15	6.95	7.35	7.62	7.79	7.88	8.00
90°	6.10	6.95	7.36	7.69	8.01	8.28	8.53
110°	5.95	7.01	7.53	7.96	8.25	8.50	8.91
120°	5.78	6.90	7.45	7.93	8.44	8.86	9.45
135°	5.21	6.39	7.14	7.59	8.08	8.60	9.97
150°	4.40	5.50	6.47	7.14	7.56	8.01	9.03
Run VMG	3.81	4.76	5.61	6.32	6.94	7.39	8.24
Gybe Angles	142.4°	148.3°	151.4°	158.9°	180.0°	180.0°	180.0°

Class Division Length
CDL = **9.263**

Storm Sails Areas
Heavy Weather Jib **28.66**
Storm Jib (JL=9.48) **10.62**
Storm Trysail **12.22**

Owner

BOAT	
Name FOXY LADY	Sail Nr DEN 67
File 35000 - X-35 - DEN	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 04/05/2006				SG 1.0250	
FFM 1.321	FF 1.323	SFFP 0.075			
FAM 0.980	FA 0.983	SAFP 10.275			
W1 70.0	PD1 554.0	WD 11.240			
W2 70.0	PD2 558.9	GSA 1.0			
W3 70.0	PD3 554.0	RSA 1.0			
W4 70.0	PD4 552.5	PLM 9000.0			
LCF from stem on CL / on sheer				5.956 / 6.160	
Maximum beam station from stem				7.300	
RM Measured				111.7kg-m	
RM Default				121.4kg-m	
Limit of positive stability / Stab.Index				116.3° / 117.0	
Freeboard at mast at 4.185				1.108	



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RIG					
Forestay Tension Aft	Spreaders 2				
Inner Stay None Fitted	Runners 0				
Carbon Mast No	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 14.250	E 4.900	MDT1 0.125	MW 0.184		
IG 14.500	J 4.185	MDL1 0.185	GO 0.204		
ISP 14.530	SFJ 0.000	MDT2 0.122	BD 0.220		
BAS 1.745	SPL 4.180	MDL2 0.140	MWT 156.00		
FSP 0.068	TPS	TL 1.230	MCG 4.600		

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.420		
Type Folding 2 blades	PBW 0.128		
Twin Screw No	PIPA 0.0033		
ST1 0.042	ST3 0.182	ST5 0.255	
ST2 0.178	ST4 0.112	EDL 2.390	

COMMENTS	
O.D. TRIM PLUS TABLE AND CUSHIONS VALID ONLY IN CONJUNCTION WITH X-35 CLASS CERTIFICATE	

MOVABLE BALLAST	
N/A	



CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.210	1.08	1.88	3.19	4.14	41.98	42.84	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.36	14.36	14.36	7.75	7.52	92.19		SL · (SFL + 4·SHW) / 6	
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	0.63	1.21	2.29	3.34	4.40	14.60	33.04	Y	N	01/03/2007	Kevlar	One Design Rule

MEASUREMENT INVENTORY				
Measurer KALL				
Date 04/05/2006				
Comment				
Id	Item	Weight	Distance	VCG Description
4	Anchor	10.0	6.25	Anchor 4
4	Chain	8.5	5.50	Warp
4	Foels	13.0	7.50	Foels
2	Foels	8.0	5.00	Safety
Id	Item	Maker	Model	
1	Engine	Yanmar	3YM20C	
Id	Item	Weight	Description	
4	Deck Gear	9.2 0		

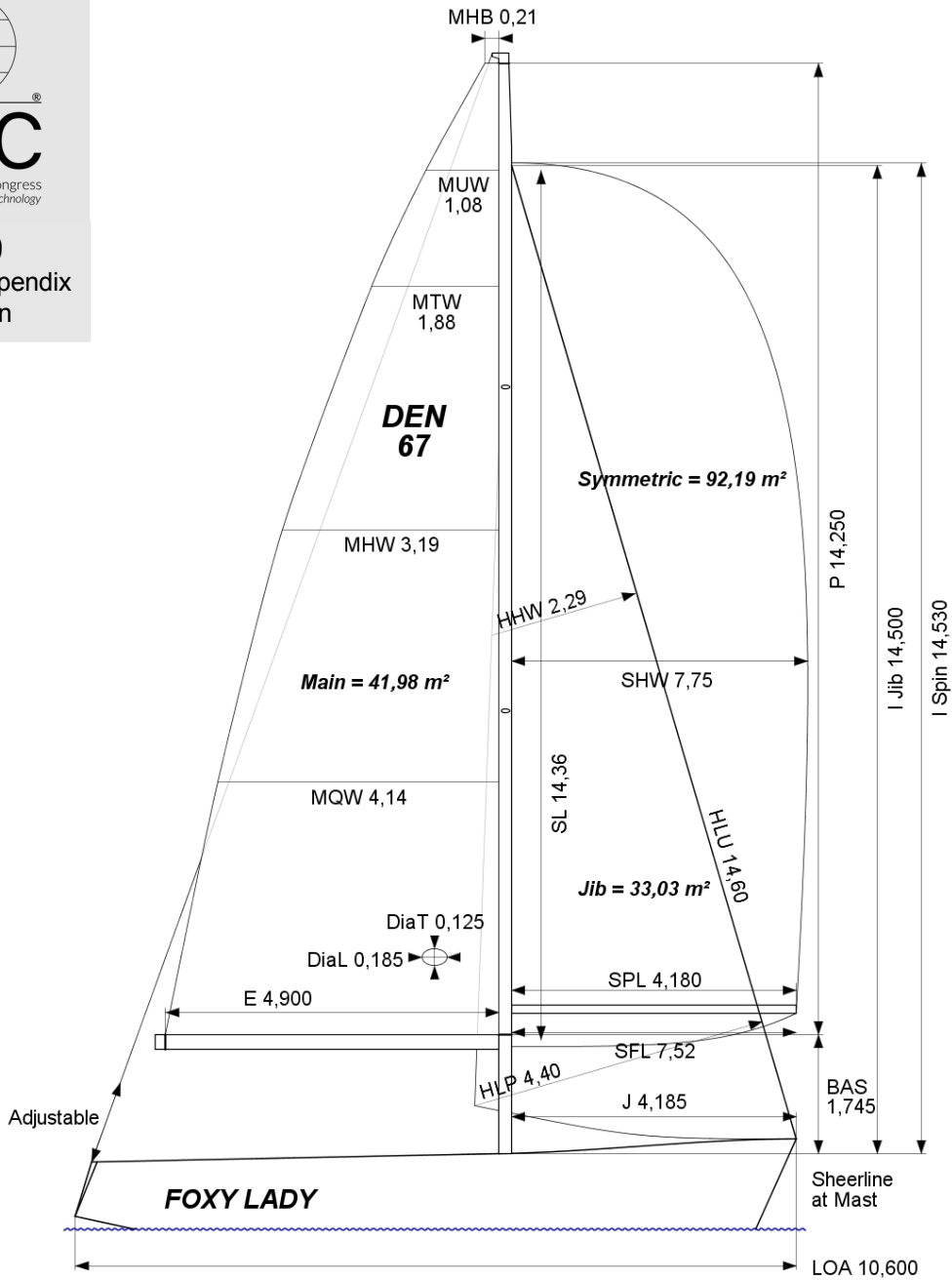
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank fuel		st.stl	60.0	6.15		0-0 fuel
2	Tank H2O		pvc	120.0	5.52		0-0 Water
3	Tank gas		steel	2.0	9.45		0-0 LPG gas
Id	Item	Weight	Distance	VCG Description			
1	Battery	46.8	4.85	120 Ah gel - services			
2	Battery	18.4	5.18	55 Ah - engine			
1	Misc	20.0	5.52	Table			



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.21	1.08	1.88	3.19	4.14	41.98				Unknown	* Copied from legacy					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.10	0.63	1.21	2.29	3.34	4.40	14.60	105%	33.04	Y	N	X-35	01/03/2007	Any	Kevlar	One Design Rule
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	14.36	14.36	14.36	7.75	7.52	92.20				Unknown	* Copied from legacy *					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				