

BOAT Name X2 Sail Nr FIN-10332	GPH 649,9	HULL Length Overall 10,060m Maximum Beam 3,284m Displacement 4.642kg Draft 1,828m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,097% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class X-332 Designer Jeppesen Builder X-Yachts Series 01/1994 Age 11/1997 Age Allowance 0,487% Offset File IX332.BOF - 3/7/1997 13:05:56 Measurement by P Lopmeri - 11/11/2013		IMSL 9,178m VCGD -0,005m Sink 17,07kg/mm RL 8,044m VCGM 0,047m WS 22,90m²




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	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	632,9			703,4		
Time On Time	0,9481			0,9597		
Performance Line	0,833	118,5		0,800	195,4	
	Low	Medium	High	Low	Medium	High
Triple Number	0,9051	1,1727	1,3165	0,6954	0,9532	1,1076

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1070,1	894,4	791,0	744,5	722,4	709,9	708,8
52°	697,7	588,1	535,2	517,3	509,7	505,8	502,3
60°	656,8	558,9	519,5	503,1	495,7	491,5	487,9
75°	623,8	540,1	508,6	489,9	476,1	467,8	461,3
90°	629,9	543,9	509,9	491,7	473,9	457,1	436,1
110°	668,2	554,3	510,5	485,4	460,7	441,4	424,1
120°	694,4	572,6	518,9	493,0	470,4	446,7	411,2
135°	781,0	637,5	552,4	513,4	489,8	467,1	421,9
150°	929,6	732,5	619,0	547,6	512,1	489,2	444,7
Run VMG	1073,4	844,8	709,7	614,4	549,9	514,1	469,3

Selected Courses							
Windward / Leeward	1071,7	869,6	750,3	679,4	636,2	612,0	589,1
Circular Random	895,0	722,8	630,5	576,9	544,0	522,7	497,3
Ocean for PCS	953,7	754,9	644,4	577,3	533,5	502,6	459,2
Non Spinnaker	933,2	749,7	650,4	592,2	556,3	533,1	505,7

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°	42,4°	42,0°	40,1°	39,0°	38,6°	39,2°
Beat VMG	3,36	4,03	4,55	4,84	4,98	5,07	5,08
52°	5,16	6,12	6,73	6,96	7,06	7,12	7,17
60°	5,48	6,44	6,93	7,16	7,26	7,32	7,38
75°	5,77	6,67	7,08	7,35	7,56	7,70	7,80
90°	5,72	6,62	7,06	7,32	7,60	7,87	8,26
110°	5,39	6,49	7,05	7,42	7,81	8,16	8,49
120°	5,18	6,29	6,94	7,30	7,65	8,06	8,76
135°	4,61	5,65	6,52	7,01	7,35	7,71	8,53
150°	3,87	4,91	5,82	6,57	7,03	7,36	8,09
Run VMG	3,35	4,26	5,07	5,86	6,55	7,00	7,67
Gybe Angles	145,7°	152,5°	161,0°	171,4°	176,4°	179,1°	179,2°

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VPP Ver. **2015 1.01**
Valid until **31/12/2015**

Crew Weight

Declared **510kg**
Default* **610kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	670,9	0,8943
Non Spin OSN	651,7	0,9206
N/S Perf. Line	96,8	0,775

Sails Limitations

Headsails	Spinnakers
6	3

Class Division Length

CDL = **8,612**

Storm Sails Areas

Heavy Weather Jib **23,59**
Storm Jib (JL=8,59) **8,74**
Storm Trysail **10,46**

Owner

BOAT	
Name X2	Sail Nr FIN-10332
File L10332.dxt	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 17/06/2001	SG	1,0050
FFM 1,150	FF 1,164	SFFP 0,513
FAM 0,976	FA 0,985	SAFP 9,213
W1 17,000	PD1 131,8	WD 10,220
W2 34,000	PD2 263,5	GSA 1,0
W3 51,000	PD3 395,3	RSA 1,0
W4 64,000	PD4 527,1	PLM 9000,0
LCF from stem on CL / on sheer		5,574 / 5,802
Maximum beam station from stem		6,331
RM Measured		103,8kg·m
RM Default		103,5kg·m
Limit of positive stability / Stab.Index		114,7° / 115,5
Freeboard at mast at 3,860		1,069

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 13,147	E 4,545	MDT1 0,120	MW 0,165
IG 13,151	J 3,530	MDL1 0,165	GO 0,183
ISP 13,210	SFJ 0,330	MDT2 0,095	BD 0,150
BAS 1,734	SPL 3,533	MDL2 0,135	MWT 118,00
FSP 0,070	TPS	TL 1,600	MCG 4,770

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD	0,385
Type Folding 2 blades	PBW	0,102
Twin Screw No	PIPA	0,0032
ST1 0,042	ST3 0,175	ST5 0,260
ST2 0,175	ST4 0,105	EDL 1,980

COMMENTS

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	HB	MGT	MGU	MGM	MGL	Area Area (r) Formula
	0,150	0,95	1,70	2,94	3,81	35,53 36,23 $P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Symmetric	SL	SMG	SF			68,62 $SL \cdot (SF + 4 \cdot SMG) / 6$
	12,93	6,38	6,32			
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	0,66	1,27	2,53	3,80	5,11	13,00	33,12			11/11/2013	Carbon	3DL
0,09	0,64	1,24	2,49	3,74	5,10	12,88	32,42			14/03/2013	Kevlar	
0,07	0,59	1,13	2,33	3,56	4,89	12,88	30,67			14/03/2013	Kevlar	
0,13	0,53	0,97	1,86	2,83	3,79	12,78	24,31			03/05/2010	Kevlar	



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2015 Measurements Datasheet

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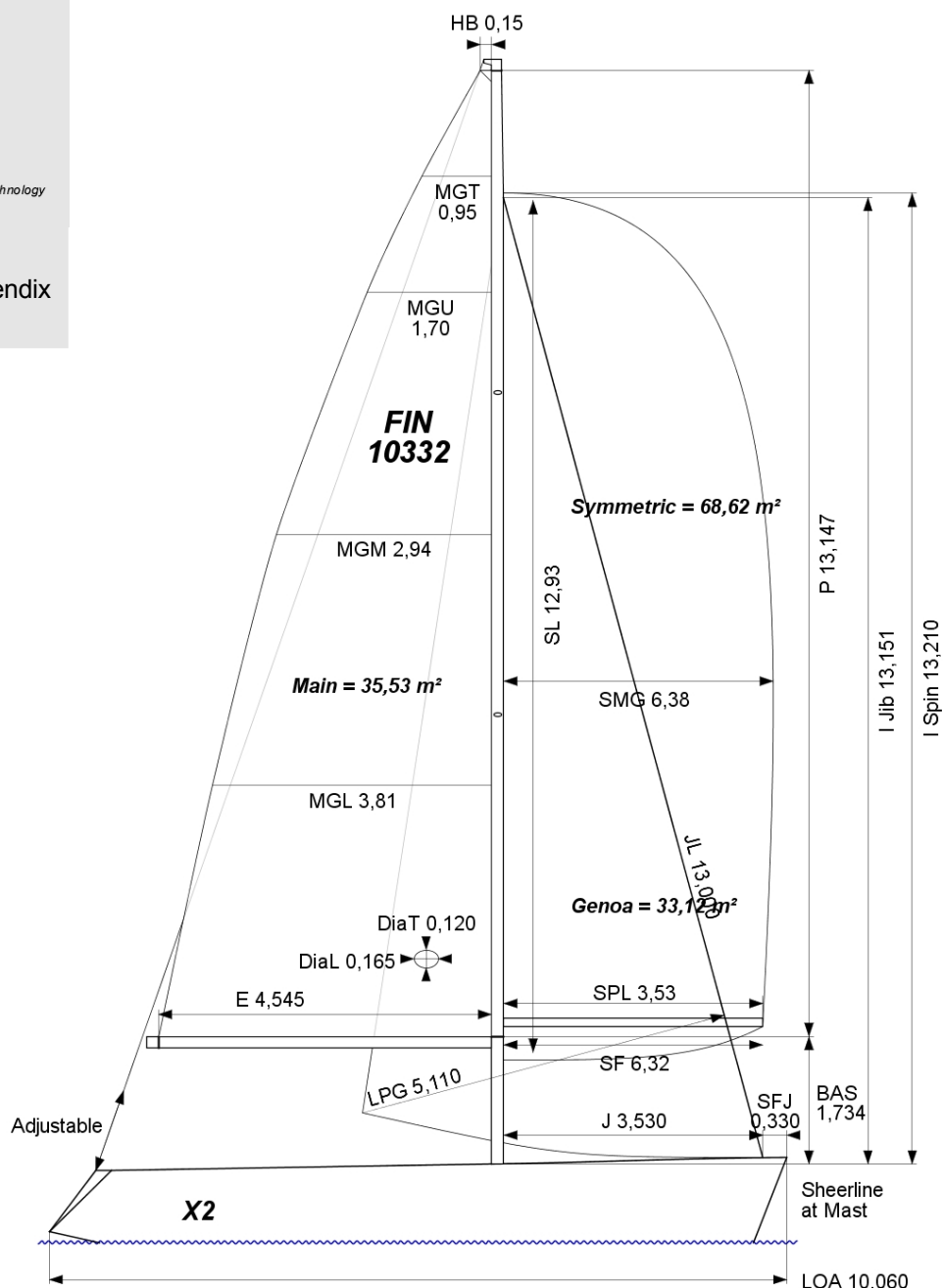


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Sail Plan



SAILS INVENTORY

MAINSAIL																
Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,150	0,95	1,70	2,94	3,81	35,53	K Lax	14/03/2013	North Sails	Carbon	3DL					
ORC	0,150	0,96	1,70	2,94	3,80	35,51					* Copied from legacy					
HEADSAILS																
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0,08	0,66	1,27	2,53	3,80	5,11	13,00	145%	33,12			Sisil	11/11/2013	North	Carbon	3DL
G1-AP	0,09	0,64	1,24	2,49	3,74	5,10	12,88	144%	32,42			Lax	14/03/2013	North	Kevlar	
G1-H	0,07	0,59	1,13	2,33	3,56	4,89	12,88	139%	30,67			Lax	14/03/2013	North	Kevlar	
G3	0,13	0,53	0,97	1,86	2,83	3,79	12,78	107%	24,31			Hannelius	03/05/2010	North	Kevlar	
SYMMETRIC SPINNAKERS																
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment							
S3	12,93	6,38	6,32	68,62	Lax	08/04/2010	North	Nylon								
S2	12,77	6,31	6,31	67,15	Lax	14/01/2010	NORTH FI	Nylon	NORLITE							
S1	12,81	6,25	6,25	66,72	Lax	14/01/2010	NORTH FI	Nylon	NORLITE							
ASYMMETRIC SPINNAKERS																
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				