

BOAT Name IDEFIX 2016 Sail Nr LTU 1616	GPH 670.6	HULL Length Overall 10.400m Maximum Beam 3.492m Displacement 6,418kg Draft 2.002m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.406% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class Sweden Yachts 340 Designer Norlin / Ostmann Builder Sweden Yachts Series 03/1986 Age 07/1986 Age Allowance 0.487% Offset File S8904.BOF - 21/03/1990 11:41:00 Measurement by LBS 7 - 15/07/2013		IMSL 8.963m VCGD 0.039m Sink 17.96kg/mm RL 7.180m VCGM 0.101m WS 25.22m² LSM0 8.838m Displacement/Length ratio 9.2969



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SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	652.7			727.7		
Time On Time	0.9192			0.9276		
Performance Line	PLT	PLD		PLT	PLD	
	0.641	50.0		0.790	207.0	
Triple Number	Low	Medium	High	Low	Medium	High
	0.8794	1.1350	1.2734	0.6810	0.9182	1.0685

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1134.7	955.9	853.8	788.0	757.0	742.1	735.9
52°	738.4	628.5	563.6	535.3	523.6	518.1	514.4
60°	695.7	592.0	542.0	520.3	508.5	502.8	498.5
75°	660.3	564.7	526.9	507.6	493.4	482.2	471.4
90°	663.1	566.8	527.4	508.6	493.5	479.3	455.8
110°	688.1	569.8	522.1	497.6	477.7	466.1	449.5
120°	706.8	583.8	528.2	502.3	480.6	459.2	434.6
135°	773.0	635.2	552.8	517.5	495.4	474.6	435.6
150°	902.2	720.9	615.5	548.4	517.2	496.6	458.0
Run VMG	1041.8	832.1	708.9	623.3	562.7	526.1	485.4

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Number **LT1616**
ORC Ref **ltu00000603**
Issued On **30/07/2016**
VPP Ver. **2016 1.01**
Valid until **31/12/2016**

Selected Courses							
Windward / Leeward	1088.3	894.0	781.4	705.7	659.9	634.1	610.6
Circular Random	921.3	745.4	650.9	595.8	562.1	540.5	515.0
Ocean for PCS	1127.0	874.0	730.8	642.7	585.6	546.3	493.3
Non Spinnaker	972.0	781.3	677.6	616.4	578.5	553.9	524.6

Crew Weight

Declared **560kg**
Default* **577kg**
Non Manual Pwr **No**

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°	42.3°	43.0°	42.2°	40.7°	39.9°	40.2°
Beat VMG	3.17	3.77	4.22	4.57	4.76	4.85	4.89
52°	4.88	5.73	6.39	6.73	6.88	6.95	7.00
60°	5.17	6.08	6.64	6.92	7.08	7.16	7.22
75°	5.45	6.38	6.83	7.09	7.30	7.47	7.64
90°	5.43	6.35	6.83	7.08	7.30	7.51	7.90
110°	5.23	6.32	6.90	7.23	7.54	7.72	8.01
120°	5.09	6.17	6.82	7.17	7.49	7.84	8.28
135°	4.66	5.67	6.51	6.96	7.27	7.58	8.27
150°	3.99	4.99	5.85	6.57	6.96	7.25	7.86
Run VMG	3.46	4.33	5.08	5.78	6.40	6.84	7.42
Gybe Angles	147.0°	151.3°	152.4°	157.8°	180.0°	180.0°	180.0°

Special Scoring

ToD ToT
Non Spin GPH **698.9** **0.8585**
Non Spin OSN **679.1** **0.8836**
N/S Perf. Line **24.2** **0.579**

Sails Limitations

Headsails	Spinnakers
6	3

Dacron Sails

Class Division Length

CDL = **8.072**

Storm Sails Areas

Heavy Weather Jib **28.38**
Storm Jib (JL=9.43) **10.51**
Storm Triesail **8.31**

Owner

BOAT	
Name IDEFIX 2016	Sail Nr LTU 1616
File Idifix LTU1616	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 05/06/2016		SG 1.0010	
FFM 1.290	FF 1.301	SFFP 0.588	
FAM 0.980	FA 0.987	SAFP 9.371	
W1 78.9	PD1 137.0	WD 7.500	
W2 83.3	PD2 140.0	GSA 314.0	
W3 92.5	PD3 146.0	RSA 314.0	
W4 96.9	PD4 158.0	PLM 2735.0	
LCF from stem on CL / on sheer		5.822 / 6.068	
Maximum beam station from stem		5.958	
RM Measured		110.7kg·m	
RM Default		117.9kg·m	
Limit of positive stability / Stab.Index		113.1° / 116.4	
Freeboard at mast at 4.250		1.129	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay Adjustable	Runners 1		
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 12.500	E 3.800	MDT1 0.130	MW 0.190
IG 14.500	J 4.250	MDL1 0.190	GO 0.190
ISP 14.580	SFJ	MDT2 0.130	BD 0.145
BAS 1.710	SPL 4.250	MDL2 0.190	MWT 180.00
FSP 0.060	TPS	TL	MCG 4.840

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.406		
Type Folding 2 blades	PBW 0.116		
Twin Screw No	PIPA 0.0030		
ST1 0.048	ST3 0.170	ST5 0.250	
ST2 0.170	ST4 0.098	EDL 1.640	

COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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IMS Measurement Certificate

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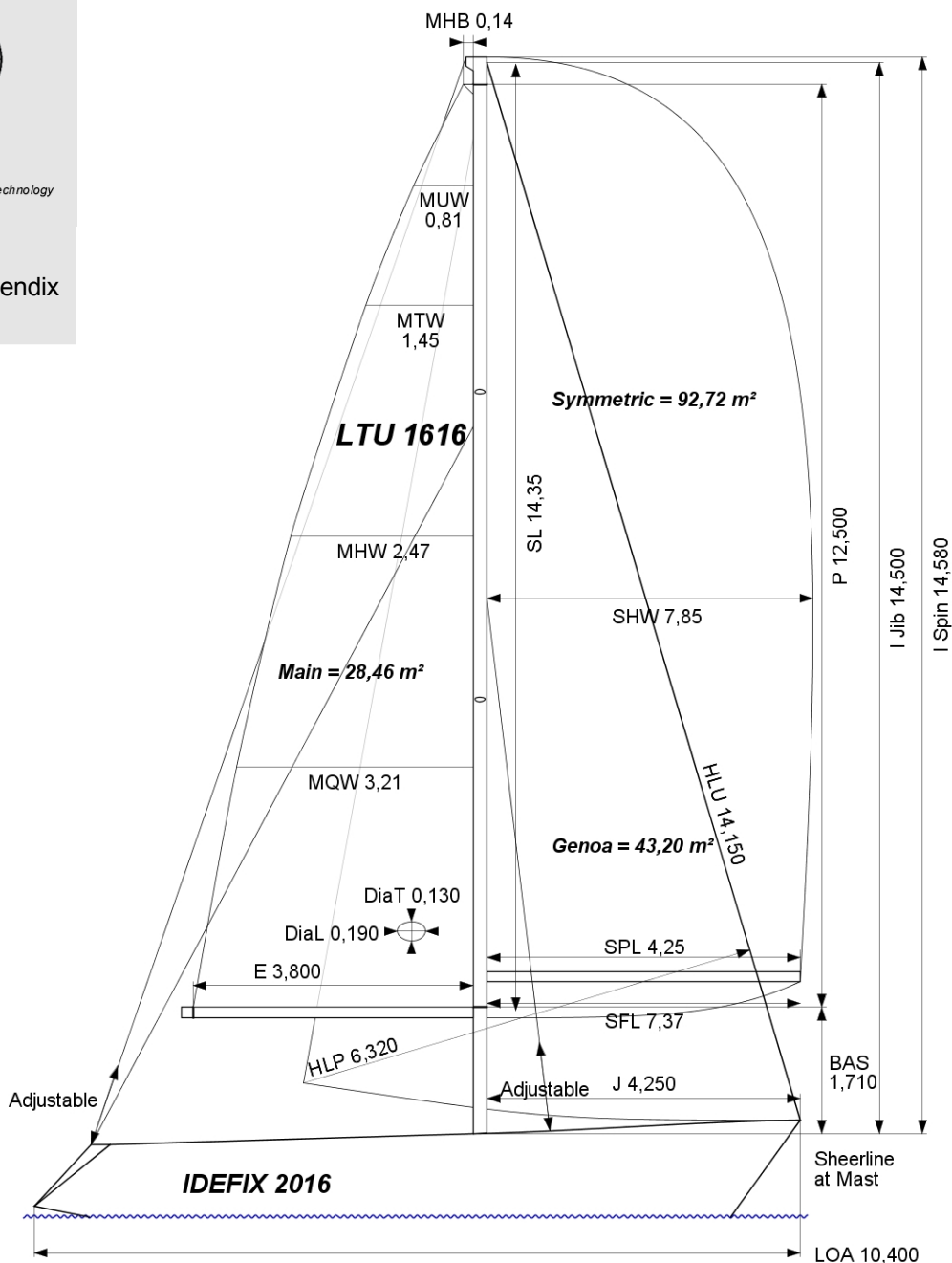
SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.135	0.81	1.45	2.47	3.21	28.46	28.91	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	14.35	14.35	14.35	7.85	7.37	92.72		SL · (SFL + 4·SHW) / 6	
Asymmetric									
Not Available									

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
0.06	0.71	1.42	2.95	4.62	6.32	14.15	43.21				Dacron	
0.06	0.65	1.28	2.70	4.32	5.99	13.79	39.24			11/07/2013	Dacron	foot 6.15 leecj\h 13.19
0.09	0.61	1.16	2.37	3.86	5.60	13.58	35.06			11/07/2013	Dacron	foot 5.77 leech 13.20
0.09	0.56	1.08	2.13	3.23	4.36	14.06	30.44			11/07/2013	Kevlar	foot 5.05 leech 12.53



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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M	0.135	0.81	1.45	2.47	3.21	28.46	LBS 7	11/07/2013		Poly ester	luff 12.42 foot 3.81

HEADSAILS

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.06	0.71	1.42	2.95	4.62	6.32	14.15	149%	43.21						Dacron	
G2	0.06	0.65	1.28	2.70	4.32	5.99	13.79	141%	39.24			LBS 7	11/07/2013		Dacron	foot 6.15 leech 13.19
G3	0.09	0.61	1.16	2.37	3.86	5.60	13.58	132%	35.06			LBS 7	11/07/2013		Dacron	foot 5.77 leech 13.20
K	0.09	0.56	1.08	2.13	3.23	4.36	14.06	103%	30.44			LBS 7	11/07/2013		Kevlar	foot 5.05 leech 12.53

SYMMETRIC SPINNAKERS

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
s2	14.35	14.35	14.35	7.85	7.37	92.72		03/05/2016		Nylon	
S3	14.12	14.12	14.12	6.86	7.74	82.79	LBS 7	11/07/2013		Nylon	

ASYMMETRIC SPINNAKERS

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