

BOAT Name IDEFIX Sail Nr LTU 1616	GPH 663.6	HULL Length Overall 10.400m Maximum Beam 3.492m Displacement 6,418kg Draft 2.002m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.442% 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 - 15/07/2013		IMSL 8.963m VCGD 0.039m Sink 17.96kg/mm RL 7.536m VCGM 0.101m WS 25.22m² LSM0 8.838m Displacement/Length ratio 9.2969



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	645.5			716.8		
Time on Time	0.9296			0.9417		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	754.6	589.3	531.3	966.5	721.4	630.3
Time on Time	0.8945	1.1455	1.2704	0.6984	0.9357	1.0710

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1092.6	921.4	821.4	769.2	748.2	739.3	742.5
52°	722.4	617.9	560.9	537.7	527.8	523.6	521.6
60°	686.8	589.9	545.1	525.5	514.9	509.9	506.8
75°	661.4	571.1	533.8	515.0	502.0	492.2	482.4
90°	670.0	573.0	529.7	512.0	497.4	484.3	463.1
110°	678.8	564.9	520.2	497.2	478.5	466.2	449.6
120°	697.2	576.5	524.9	499.7	478.5	458.6	433.6
135°	762.1	626.0	547.7	514.3	492.2	470.9	432.3
150°	890.6	713.4	608.9	544.5	514.6	493.9	454.7
Run VMG	1028.3	823.7	701.8	618.6	559.9	524.2	483.3

Certificate
Number **LT1616**
ORC Ref **lt00000857**
Issued On **17/05/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight
Default **577kg**
Maximum **555kg**
Minimum* **416kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **695.3 0.8629**
Non Spin OSN **674.7 0.8893**

Selected Courses							
Windward / Leeward	1060.5	872.6	761.6	693.9	654.1	631.7	612.9
Circular Random	906.6	735.3	644.2	591.9	560.5	540.8	518.2
Coastal / Long Distance	1057.3	820.7	688.1	610.2	570.3	540.7	495.8
Non Spinnaker	963.9	775.8	674.2	614.8	578.7	555.8	529.4

Sails Limitations
Headsails **5** | Spinnakers **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	42.0°	40.7°	40.7°	40.1°	39.4°	39.0°	39.3°
Beat VMG	3.29	3.91	4.38	4.68	4.81	4.87	4.85
52°	4.98	5.83	6.42	6.69	6.82	6.88	6.90
60°	5.24	6.10	6.60	6.85	6.99	7.06	7.10
75°	5.44	6.30	6.74	6.99	7.17	7.31	7.46
90°	5.37	6.28	6.80	7.03	7.24	7.43	7.77
110°	5.30	6.37	6.92	7.24	7.52	7.72	8.01
120°	5.16	6.24	6.86	7.20	7.52	7.85	8.30
135°	4.72	5.75	6.57	7.00	7.31	7.65	8.33
150°	4.04	5.05	5.91	6.61	7.00	7.29	7.92
Run VMG	3.50	4.37	5.13	5.82	6.43	6.87	7.45
Gybe Angles	146.6°	150.9°	151.7°	157.8°	180.0°	180.0°	180.0°

Class Division Length
CDL = **8.250**

Storm Sails Areas
Heavy Weather Jib **28.47**
Storm Jib (JL=9.44) **10.55**
Storm Triesail **8.28**

Owner

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

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 12.450	E 3.800	MDT1 0.130	MW 0.190		
IG 14.520	J 4.250	MDL1 0.190	GO 0.190		
ISP 14.520	SFJ	MDT2 0.130	BD 0.145		
BAS 1.730	SPL 4.250	MDL2 0.190	MWT 180.00		
FSP	TPS	TL	MCG 4.840		

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			117.2kg-m		
Limit of positive stability / Stab.Index			113.1° / 116.4		
Freeboard at mast at 4.250			1.129		



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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	

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COMMENTS

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.130	0.79	1.44	2.46	3.21	28.25	28.69	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								

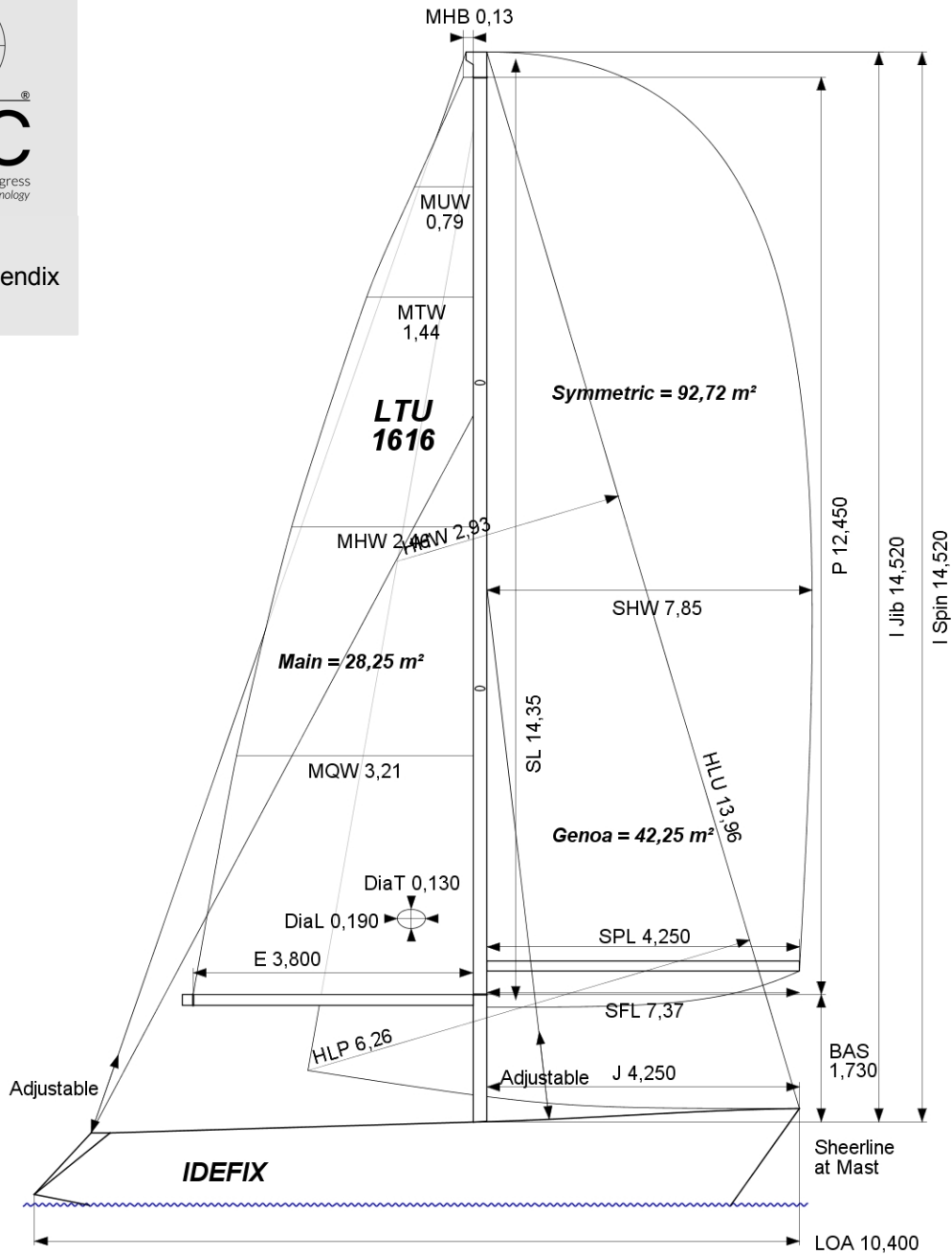
HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.05	0.72	1.41	2.93	4.57	6.26	13.96	42.25				Polyest	
0.06	0.65	1.28	2.70	4.32	5.99	13.79	39.24			11/07/2013	Dacron	foot 6.15 leech 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
0.08	0.59	1.12	2.13	3.13	4.12	14.17	29.94	Y			Unknow	
0.06	0.39	0.75	1.61	2.65	3.74	13.00	22.63	Y		11/07/2013	Kevlar	foot 5.05 leech 12.53



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M	0.13	0.79	1.44	2.46	3.21	28.26		11/07/2013		Polyester	luff 12.42 foot 3.81

HEADSAILS (5)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.05	0.72	1.41	2.93	4.57	6.26	13.96	147%	42.25						Polyest	
G2	0.06	0.65	1.28	2.70	4.32	5.99	13.79	141%	39.24				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				11/07/2013		Dacron	foot 5.77 leech 13.20
Stakseli	0.08	0.59	1.12	2.13	3.13	4.12	14.17	97%	29.94	Y					Unknow	
Stormini	0.06	0.39	0.75	1.61	2.65	3.74	13.00	88%	22.63	Y			11/07/2013		Kevlar	foot 5.05 leech 12.53

SYMMETRIC SPINNAKERS (2)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
s2	14.35	14.35	14.35	7.85	7.37	92.73		03/05/2016		Nylon	
S3	14.12	14.12	14.12	6.86	7.74	82.80		11/07/2013		Nylon	

ASYMMETRIC SPINNAKERS (0)

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