

BOAT
Name **IDEFX 2016**
Sail Nr **LTU 1616**

GPH
670.8

HULL
Length Overall **10.400m**
Maximum Beam **3.492m**
Displacement **6,418kg**
Draft **2.002m**
IMS Reg. Division **Cruiser/Racer**
Dynamic Allowance **0.431%**
Fwd Accommodation **Yes**
Hull Construction **Solid**
Carbon Rudder **No**
Crew Arm Extension
IMSL **8.963m** VCGD **0.039m** Sink **17.96kg/mm**
RL **7.172m** VCGM **0.101m** WS **25.22m**
LSMO **8.838m** Displacement/Length ratio **9.2969**

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**



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SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	652.8			727.6		
Time On Time	0.9191			0.9277		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	766.1	595.2	531.5	987.0	734.8	633.2
Time on Time	0.8811	1.1340	1.2701	0.6839	0.9186	1.0660

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	1124.5	949.7	851.1	788.5	759.7	745.4	738.8
52°	736.6	627.7	565.3	538.2	526.7	521.2	517.4
60°	696.2	593.1	545.0	523.7	511.8	505.9	501.5
75°	663.3	568.1	530.7	511.4	497.2	485.7	474.2
90°	664.7	567.9	527.2	509.1	494.0	479.8	455.9
110°	687.9	569.7	522.1	497.6	477.5	465.7	450.0
120°	706.8	583.8	528.2	502.3	480.6	459.1	434.1
135°	773.2	635.3	552.9	517.5	495.4	474.6	435.5
150°	902.3	720.9	615.5	548.3	517.2	496.6	457.9
Run VMG	1041.9	832.1	708.9	623.3	562.7	526.1	485.4

Selected Courses	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	1083.2	890.9	780.0	705.9	661.2	635.7	612.1
Circular Random	920.0	745.0	651.1	596.5	563.1	541.7	516.3
Ocean for PCS	1123.9	872.6	730.5	643.2	586.5	547.3	494.2
Non Spinnaker	972.3	782.0	678.7	617.7	580.0	555.6	526.1

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	43.2°	41.7°	42.6°	41.9°	40.6°	39.9°	40.1°
Beat VMG	3.20	3.79	4.23	4.57	4.74	4.83	4.87
52°	4.89	5.74	6.37	6.69	6.84	6.91	6.96
60°	5.17	6.07	6.61	6.87	7.03	7.12	7.18
75°	5.43	6.34	6.78	7.04	7.24	7.41	7.59
90°	5.42	6.34	6.83	7.07	7.29	7.50	7.90
110°	5.23	6.32	6.90	7.23	7.54	7.73	8.00
120°	5.09	6.17	6.82	7.17	7.49	7.84	8.29
135°	4.66	5.67	6.51	6.96	7.27	7.59	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°	151.4°	152.4°	157.8°	180.0°	180.0°	180.0°

Certificate
Number **LT1616**
ORC Ref **H00000158**
Issued On **17/06/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight
Declared **577kg**
Default* **577kg**
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **699.9 0.8573**
Non Spin OSN **679.8 0.8826**

Sails Limitations
Headsails **5** | Spinnakers **3**

Class Division Length
CDL = **8.068**

Storm Sails Areas
Heavy Weather Jib **28.38**
Storm Jib (JL=9.43) **10.51**
Storm Trysail **8.31**

Owner
Thomas
Björkström

BOAT	
Name IDEFIX 2016	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 12.500	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	

COMMENTS

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		117.5kg·m	
Limit of positive stability / Stab.Index		113.1° / 116.4	
Freeboard at mast at 4.250		1.129	

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	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)						
Mainsail	MHB	MUW	MTW	MHW	MQW	
	0.135	0.81	1.45	2.47	3.21	
	Area	Area (r)	Formula			
	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	
	Area	Area (r)	Formula			
	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	1.42	2.73	4.60	6.29	14.10	42.23				Poly est	
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



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IMS Measurement
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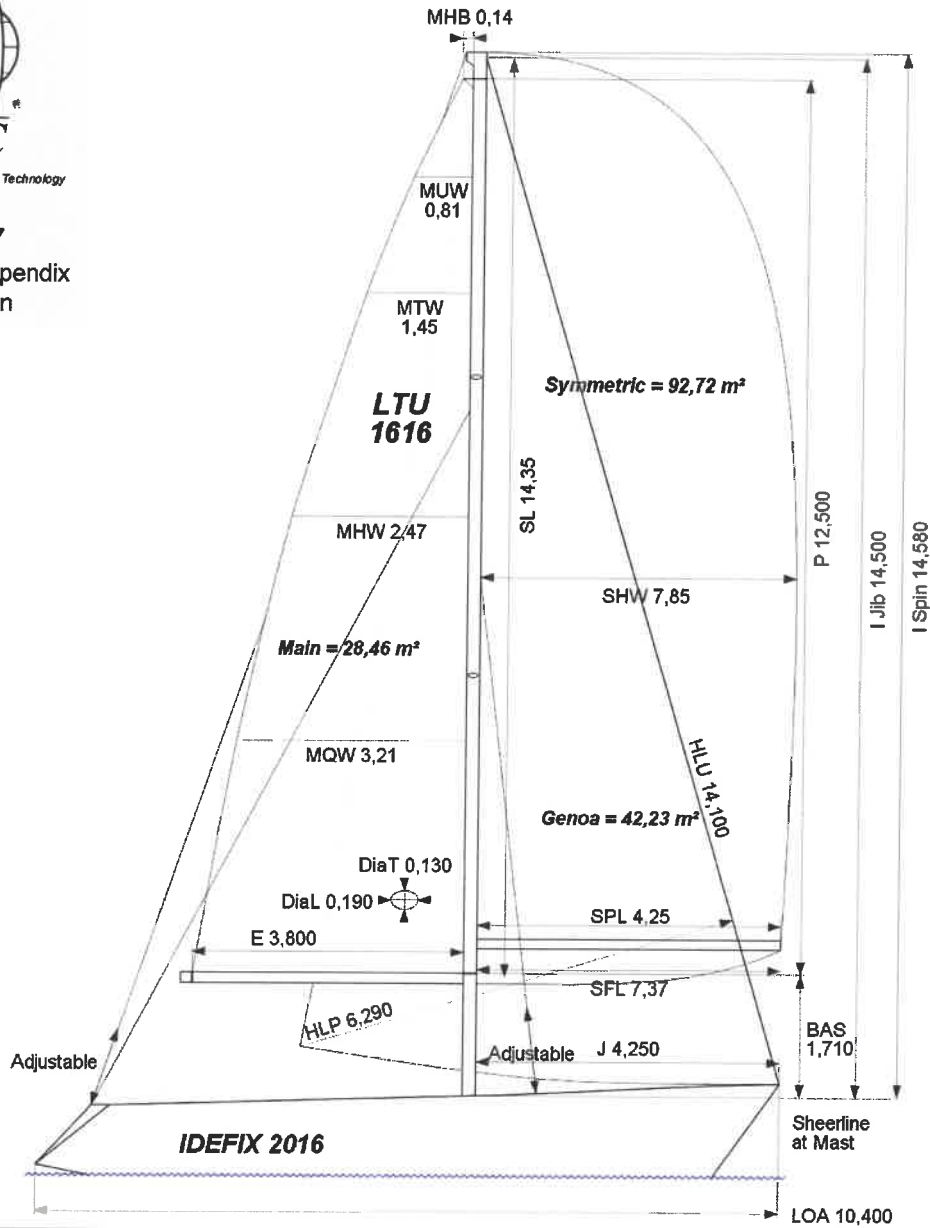
<p>Certificate</p> <p>Number LT1616</p> <p>ORC Ref It00000158</p> <p>Issued On 17/06/2017</p> <p>VPP Ver. 2017 1.00</p> <p>Valid until 31/12/2017</p>
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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

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		Polyester	luff 12.42 foot 3.81

HEADSAILS (3)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.05	0.72	1.42	2.73	4.60	6.29	14.10	148%	42.23						Polyest	
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/h 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

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	92.72		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 (0)

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