

BOAT Name IDEFIX 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
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 7.172m VCGM 0.101m WS 25.22m² LSMO 8.838m Displacement/Length ratio 9.2969



World Leader in Rating Technology

2017
ORC International
Certificate

Rating Office

Offshore
Racing
Congress



World Leader in Rating Technology

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

Certificate

Number **LT1616**
ORC Ref **It00000158**
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

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

Sails Limitations

Headsails	Spinnakers
5	3

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°

Class Division Length

CDL = **8.068**

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 Idefix 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		117.5kg·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	

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	92.72		SL · (SFL + 4·SHW) / 6	
	14.35	14.35	14.35	7.85	7.37				
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				Polyest	
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



World Leader in Rating Technology

2017

IMS Measurement Certificate

Certificate

Number **LT1616**
 ORC Ref **It00000158**
 Issued On **17/06/2017**
 VPP Ver. **2017 1.00**
 Valid until **31/12/2017**

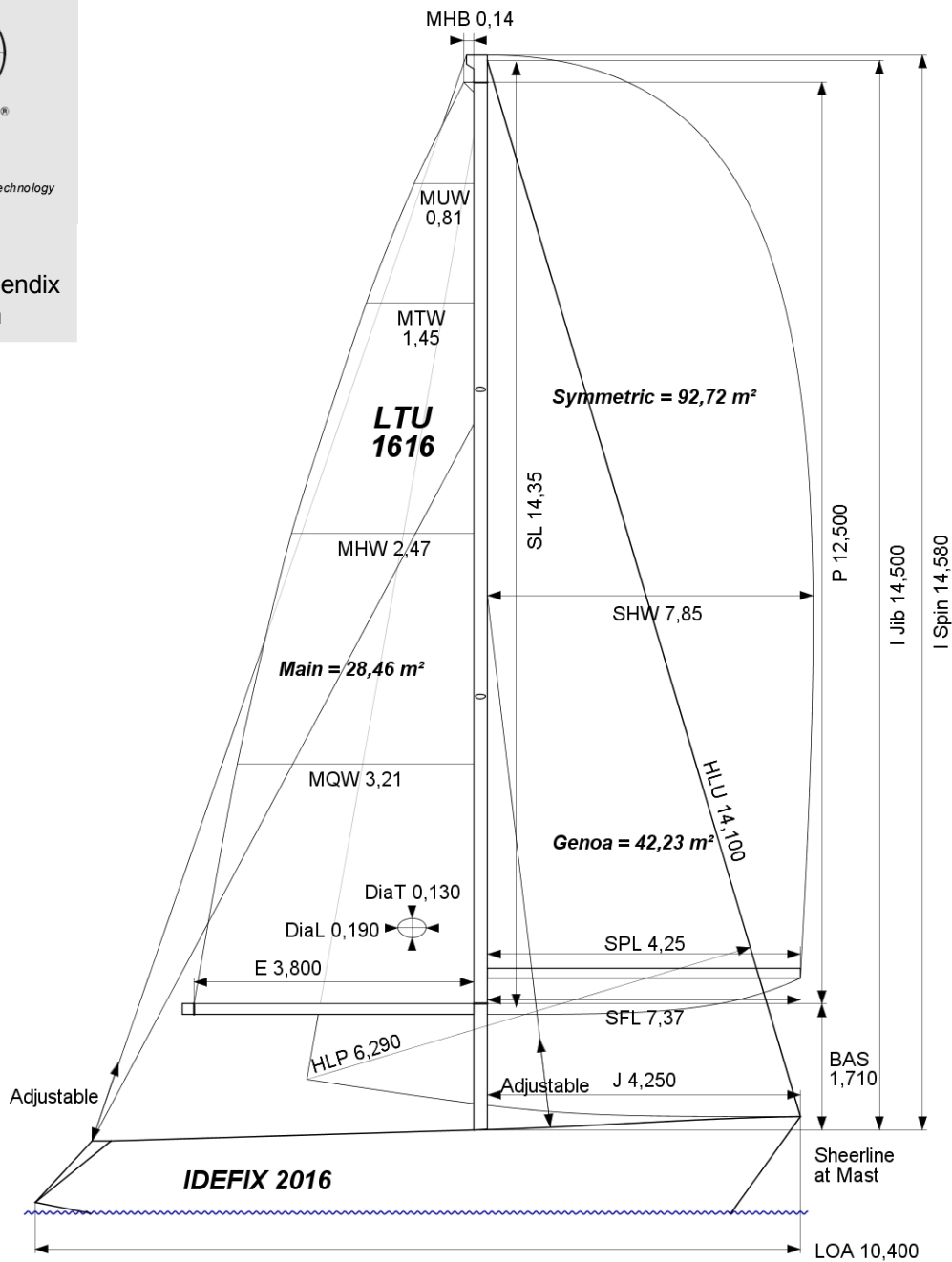


World Leader In Rating Technology



World Leader in Rating Technology

2017
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		Poly ester	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				