

BOAT	GPH	HULL
Name FIXIUS Sail Nr ESP-6639	696.1	Length Overall 8.300m Maximum Beam 3.026m Displacement 2,805kg Draft 2.122m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.205% Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 8.349m VCGD 0.205m Sink 14.19kg/mm RL 6.670m VCGM 0.250m WS 18.52m² LSM0 8.709m Displacement/Length ratio 4.2465
Class FIRST 27.7 Designer Groupe FINOT Builder BENETEAU SA Series 01/2002 Age 06/2003 Age Allowance 0.487% Offset File F27_7jl.off - 01/09/2004 10:14:36 Measurement by - 25/09/2007		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	675.1			756.3		
Time on Time	0.8888			0.8925		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	801.7	614.0	552.4	1034.0	756.6	665.7
Time on Time	0.8420	1.0994	1.2220	0.6528	0.8922	1.0139

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1192.3	979.8	863.1	817.6	807.1	807.0	802.9
52°	782.0	656.6	587.6	565.0	559.3	557.6	551.3
60°	740.4	625.8	569.0	548.2	541.8	539.5	534.0
75°	709.8	602.9	555.8	533.1	519.5	513.4	510.3
90°	711.2	589.6	544.3	528.8	508.4	490.7	473.9
110°	702.7	581.5	534.4	505.9	485.5	471.9	450.8
120°	727.1	595.7	540.7	509.1	478.6	453.1	426.2
135°	807.4	651.4	566.7	529.2	499.0	467.9	408.2
150°	953.5	747.6	630.3	561.7	528.6	500.6	443.9
Run VMG	1101.0	863.2	726.1	636.0	573.7	537.1	483.2
Selected Courses							
Windward / Leeward	1146.6	921.5	794.6	726.8	690.4	672.1	643.0
Circular Random	962.0	774.5	674.6	617.8	583.9	562.3	534.3
Coastal / Long Distance	1142.1	865.1	716.6	636.4	594.9	562.3	507.8
Non Spinnaker	1040.2	829.4	715.1	648.8	608.9	583.8	553.0

Certificate

Number **663901**
ORC Ref **03510000B20**
Issued On **12/01/2020**
VPP Ver. **2020 1.00**
Valid until **31/12/2020**

Crew Weight

Default **565kg**
Maximum **365kg**
Minimum* **274kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **739.1 0.8118**
Non Spin OSN **711.5 0.8433**

Sails Limitations

Headsails 5	Spinnakers 4
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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	42.8°	40.9°	40.5°	39.8°	39.8°	39.9°	40.5°
Beat VMG	3.02	3.67	4.17	4.40	4.46	4.46	4.48
52°	4.60	5.48	6.13	6.37	6.44	6.46	6.53
60°	4.86	5.75	6.33	6.57	6.64	6.67	6.74
75°	5.07	5.97	6.48	6.75	6.93	7.01	7.05
90°	5.06	6.11	6.61	6.81	7.08	7.34	7.60
110°	5.12	6.19	6.74	7.12	7.42	7.63	7.99
120°	4.95	6.04	6.66	7.07	7.52	7.95	8.45
135°	4.46	5.53	6.35	6.80	7.21	7.69	8.82
150°	3.78	4.82	5.71	6.41	6.81	7.19	8.11
Run VMG	3.27	4.17	4.96	5.66	6.28	6.70	7.45
Gybe Angles	146.0°	150.0°	152.0°	159.0°	180.0°	180.0°	180.0°

Class Division Length

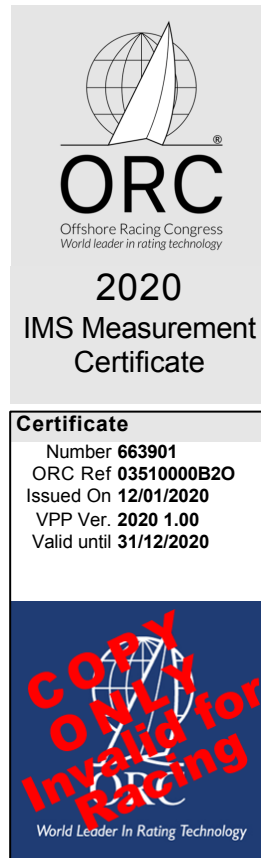
CDL = **7.508**

Storm Sails Areas

Heavy Weather Jib **18.03**
Storm Jib (JL=7.52) **6.68**
Storm Triesail **7.65**

Owner

BOAT										INCLINING TEST AND FREEBOARDS																																																									
Name FIXIUS					Sail Nr ESP-6639					Inclining Test Current Inclining																																																									
File E6639					Data in meters/kilograms					Flotation date 07/04/2012 SG 1.0250																																																									
RIG										FFM 1.200 FF 1.209 SFFP 0.163 FAM 0.810 FA 0.816 SAFF 8.148																																																									
Forestay Tension Aft Spreaders 1 Inner Stay None Fitted Runners/Checkstays 0 Carbon Mast No Jib Furler No Fiber Rigging No Main Furler No Non-Circular Rigging No Articulated Bowsprit No										W1 45.0 PD1 561.3 WD 9.700 W2 45.0 PD2 563.9 GSA 1.0 W3 45.0 PD3 562.6 RSA 1.0 W4 45.0 PD4 562.8 PLM 9000.0																																																									
P 10.610 E 4.120 MDT1 0.105 MW 0.165 IG 11.500 J 3.191 MDL1 0.165 GO 0.180 ISP 11.755 SFJ 0.000 MDT2 0.105 BD 0.120 BAS 1.400 SPL 3.200 MDL2 0.165 MWT 84.00 FSD 0.032 TPS TL 0.000 MCG 4.300										LCF from stem on CL / on sheer 4.936 / 5.139 Maximum beam station from stem 5.832 RM Measured 61.1kg-m RM Default 61.3kg-m Limit of positive stability / Stab.Index 100.1° / 96.4 Freeboard at mast at 3.191 1.015																																																									
MIZZEN RIG AND SAILS										PROPELLER																																																									
N/A										Installation Strut PRD 0.360 Type Folding 2 blades PBW Twin Screw No PIPA 0.0031																																																									
										ST1 0.042 ST3 0.227 ST2 0.102 ST4 0.102 EDL 2.220																																																									
COMMENTS										MOVABLE BALLAST																																																									
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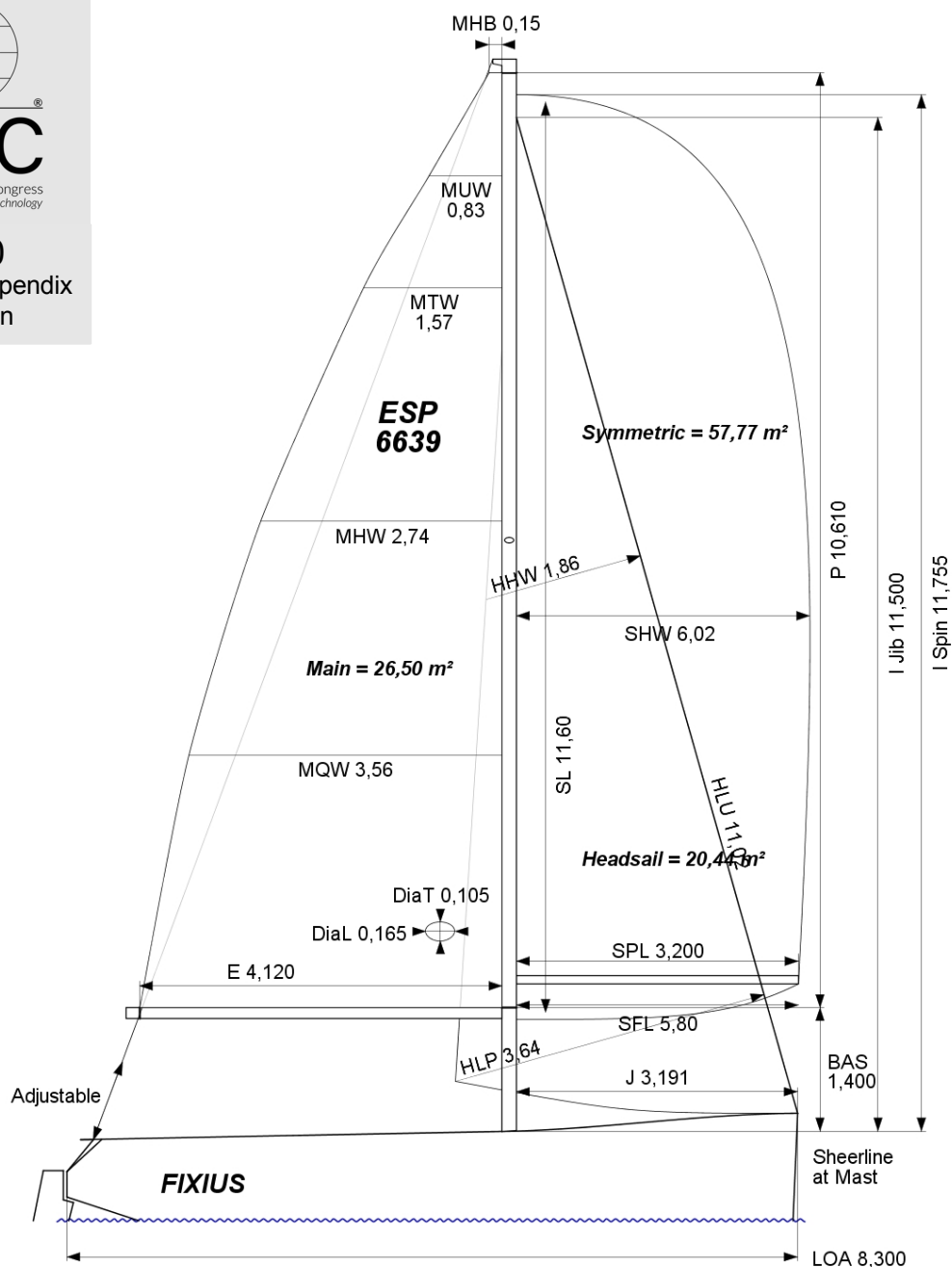




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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
001	0.15	0.83	1.57	2.74	3.56	26.50		05/03/2010	North	Unknown	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
001	0.10	0.51	0.95	1.86	2.76	3.64	11.02	114%	20.44		No		05/03/2010	North	Unknown	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
001	11.60	11.60	11.60	6.02	5.80	57.77		02/01/2010	North	Unknown	

ASYMMETRIC SPINNAKERS (0)

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