

BOAT	GPH	HULL
Name SABARA Sail Nr ESP-8626	639.9	Length Overall 11.121m Maximum Beam 3.492m Displacement 6,633kg Draft 2.123m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.305% Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL		IMSL 10.021m VCGD 0.226m Sink 20.03kg/mm RL 8.283m VCGM 0.210m WS 26.75m² LSM0 9.941m Displacement/Length ratio 6.7518
Class SUN FAST 36 MOD Designer BRIAND Builder JEANNEAU Series 01/1992 Age 01/1993 Age Allowance 0.487% Offset File sunfast36-e8626m.off - 04/07/2018 Measurement by - 02/06/2015		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	621.0			693.1		
Time on Time	0.9663			0.9739		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	740.5	564.5	503.7	960.2	698.1	602.6
Time on Time	0.9115	1.1957	1.3400	0.7030	0.9669	1.1202

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1083.3	897.3	791.0	733.7	713.3	705.0	709.8
52°	706.0	596.9	535.0	509.3	500.0	495.9	494.3
60°	666.6	567.3	517.5	496.4	486.4	482.2	479.5
75°	638.5	545.4	505.1	485.4	472.5	463.6	456.2
90°	646.6	546.8	499.5	479.7	467.3	453.7	433.3
110°	657.8	541.5	493.2	469.3	449.4	434.0	416.5
120°	679.0	556.5	499.5	473.3	452.0	431.0	399.7
135°	753.2	612.6	528.3	490.3	467.7	446.4	405.1
150°	900.5	710.3	598.1	526.0	491.2	469.7	429.8
Run VMG	1039.8	820.2	690.4	601.9	543.0	502.2	459.2
Selected Courses							
Windward / Leeward	1061.5	858.7	740.7	667.8	628.2	603.6	584.5
Circular Random	886.5	713.5	620.3	566.3	533.8	513.4	490.5
Coastal / Long Distance	1059.4	806.0	665.7	582.7	542.5	512.4	466.3
Non Spinnaker	937.1	749.2	646.8	586.7	550.0	526.8	500.3

Certificate

Number **862601**
ORC Ref **03510000LTH**
Issued On **02/07/2020**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default **683kg**
Maximum **680kg**
Minimum* **510kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **667.9 0.8983**
Non Spin OSN **647.0 0.9274**

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	43.1°	41.3°	40.9°	40.1°	39.4°	39.0°	39.8°
Beat VMG	3.32	4.01	4.55	4.91	5.05	5.11	5.07
52°	5.10	6.03	6.73	7.07	7.20	7.26	7.28
60°	5.40	6.35	6.96	7.25	7.40	7.47	7.51
75°	5.64	6.60	7.13	7.42	7.62	7.77	7.89
90°	5.57	6.58	7.21	7.51	7.70	7.93	8.31
110°	5.47	6.65	7.30	7.67	8.01	8.30	8.64
120°	5.30	6.47	7.21	7.61	7.96	8.35	9.01
135°	4.78	5.88	6.81	7.34	7.70	8.06	8.89
150°	4.00	5.07	6.02	6.84	7.33	7.66	8.38
Run VMG	3.46	4.39	5.21	5.98	6.63	7.17	7.84
Gybe Angles	145.5°	150.0°	151.0°	156.0°	172.0°	180.0°	180.0°

Class Division Length

CDL = **9.146**

Storm Sails Areas

Heavy Weather Jib **24.75**
Storm Jib (JL=8.80) **9.17**
Storm Trysail **11.60**

Owner

COMMENTS	
CAMBIO DE QUILLA.04/16	AÑADIDO ZAPATA.04/16

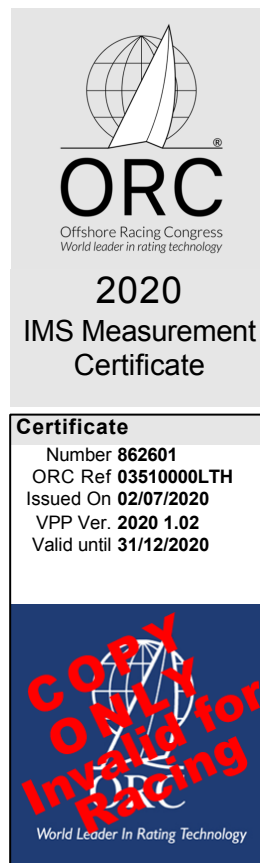
MOVABLE BALLAST
N/A

CENTERBOARD	
	N/A

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	Flying	Meas.Date	Material	Comment
0.08	0.70	1.35	2.71	4.12	5.55	13.20	36.30		No	12/07/2017	Unknow	

MEASUREMENT INVENTORY					
Measurer ESP-386 Date 06/04/2016 Comment TANGONES EN LCF-6,08 Internal Ballast total = 0.0					
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG</i>	<i>Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>		
EN	Engine	LOMBARDINI	MARINE		
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>			

MEASUREMENT INVENTORY									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
GA	Tank	GAS OIL	METALICO	90.0	8.30			5-0	
CAL	Tank	CALENTAD	METALICO	40.0	3.50			0-0	
WA	Tank	AGUA	PLASTICO	100.0	8.20			0-0	
WA	Tank	AGUA	PLASTICO	100.0	2.40			0-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>					
BAT	Battery		7.80	102 Ah					
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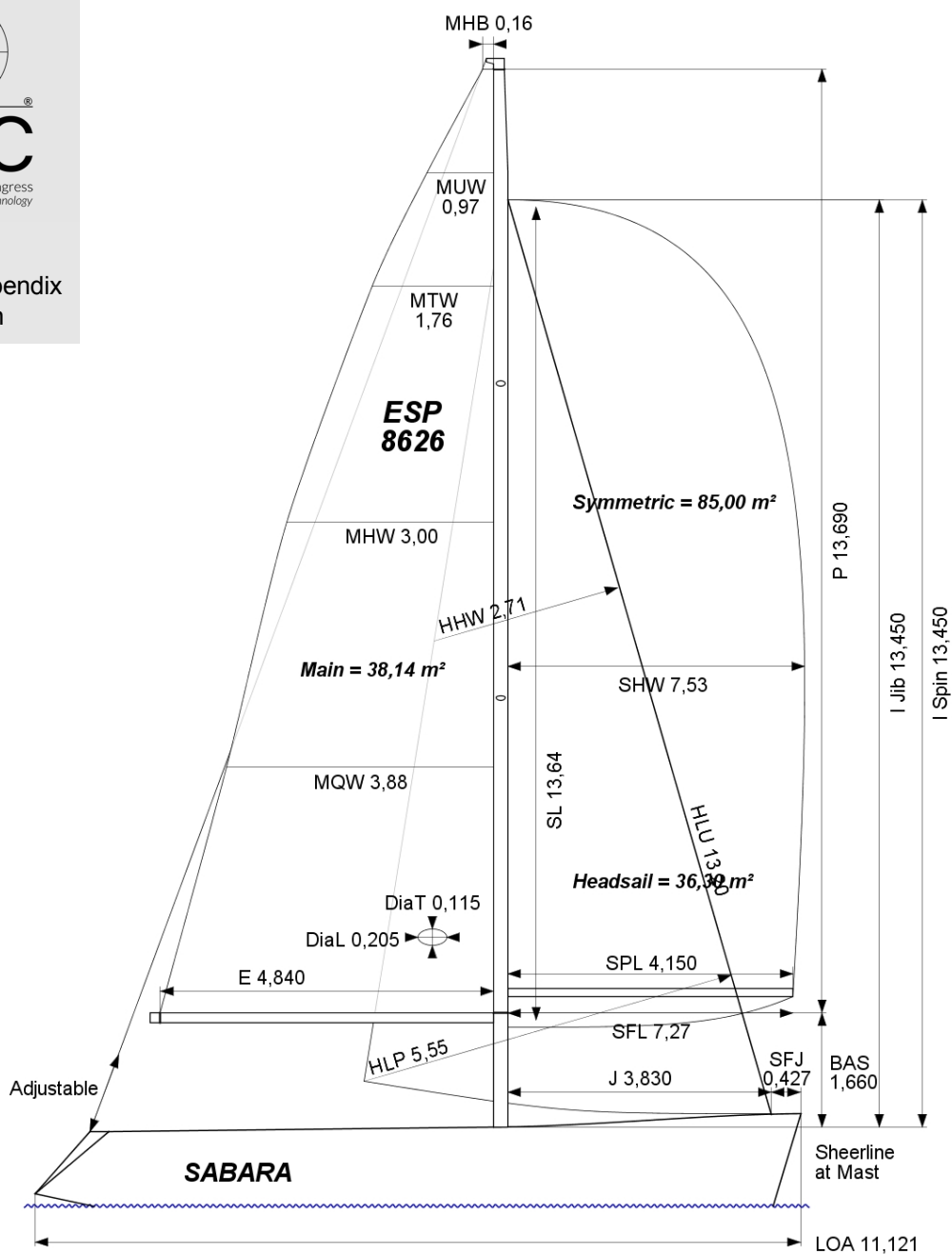


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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
001	0.16	0.97	1.76	3.00	3.88	38.15		12/07/2017	NORTH	Unknown	

HEADSAILS (1)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
001	0.08	0.70	1.35	2.71	4.12	5.55	13.20	145%	36.30		No		12/07/2017	NORTH SAIL	Unknow	

SYMMETRIC SPINNAKERS (1)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S1	13.64	13.64	13.64	7.53	7.27	85.00				Unknown	

ASYMMETRIC SPINNAKERS (0)

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