

BOAT Name SALAO TÚ Sail Nr ESP-8258	GPH 632.9	HULL Length Overall 10.210m Maximum Beam 3.216m Displacement 4,837kg Draft 1.873m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.148% Fwd Accommodation Yes Hull Construction Cored Carbon Rudder No Crew Arm Extension
GENERAL Class DEHLER 34 Designer V. DE STADT Builder DEHLER Series 01/2001 Age 01/2007 Age Allowance 0.487% Offset File DEH34N.OFF - 25/04/2002 11:38:20 Measurement by - 10/03/2018		IMSL 9.769m VCGD 0.057m Sink 17.49kg/mm RL 8.159m VCGM 0.076m WS 23.16m² LSM0 9.701m Displacement/Length ratio 5.2982



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	616.9			688.5		
Time on Time	0.9727			0.9804		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	716.0	562.5	508.8	923.3	691.5	607.5
Time on Time	0.9427	1.1999	1.3266	0.7311	0.9761	1.1111

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1027.2	855.8	771.9	739.3	725.7	720.5	712.5
52°	676.0	573.4	529.3	515.4	509.7	507.2	503.6
60°	640.8	550.0	514.9	501.4	495.9	493.3	490.7
75°	613.6	534.4	503.8	488.0	478.1	472.9	468.9
90°	618.7	535.1	502.3	483.8	469.0	456.1	441.0
110°	648.8	539.4	497.2	474.2	456.3	444.6	426.0
120°	667.8	550.8	502.0	476.5	453.2	431.0	405.7
135°	738.6	601.1	525.9	492.8	469.3	444.8	396.7
150°	874.0	693.5	587.6	524.0	493.5	471.4	425.3
Run VMG	1009.3	800.8	677.7	596.7	540.4	503.7	459.4

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Number **825801**
ORC Ref **ESP00003293**
Issued On **12/03/2019**
VPP Ver. **2019 1.01**
Valid until **31/12/2019**

Crew Weight

Default **659kg**
Maximum **450kg**
Minimum* **338kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	641.4	0.9354
Double H.OSN	626.8	0.9572
Non Spin GPH	658.0	0.9119
Non Spin OSN	640.9	0.9363

Selected Courses							
Windward / Leeward	1018.2	828.3	724.8	668.0	633.0	612.1	585.9
Circular Random	863.1	700.2	614.3	565.6	536.4	517.6	493.1
Coastal / Long Distance	1017.3	779.1	654.6	584.9	547.7	518.4	472.0
Non Spinnaker	908.8	732.3	638.0	583.7	550.8	529.4	502.0

Sails Limitations

Headsails	Spinnakers
5	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	42.5°	40.9°	40.7°	39.6°	39.1°	39.0°	39.0°
Beat VMG	3.50	4.21	4.66	4.87	4.96	5.00	5.05
52°	5.33	6.28	6.80	6.98	7.06	7.10	7.15
60°	5.62	6.55	6.99	7.18	7.26	7.30	7.34
75°	5.87	6.74	7.15	7.38	7.53	7.61	7.68
90°	5.82	6.73	7.17	7.44	7.68	7.89	8.16
110°	5.55	6.67	7.24	7.59	7.89	8.10	8.45
120°	5.39	6.54	7.17	7.55	7.94	8.35	8.87
135°	4.87	5.99	6.85	7.30	7.67	8.09	9.07
150°	4.12	5.19	6.13	6.87	7.29	7.64	8.46
Run VMG	3.57	4.50	5.31	6.03	6.66	7.15	7.84
Gybe Angles	144.9°	149.6°	151.5°	157.1°	180.0°	180.0°	180.0°

Class Division Length

CDL = **8.965**

Storm Sails Areas

Heavy Weather Jib **25.30**
Storm Jib (JL=8.90) **9.37**
Storm Trysail **9.86**

Owner

BOAT	
Name SALAO TÚ	Sail Nr ESP-8258
File E8258	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS					
Inclining Test Current Inclining					
Flotation date 10/03/2018				SG 1.0270	
FFM	1.152	FF	1.157	SFFP	0.233
FAM	0.928	FA	0.928	SAFP	9.681
W1	60.0	PD1	559.0	WD	10.600
W2	60.0	PD2	559.0	GSA	1.0
W3	60.0	PD3	552.6	RSA	1.0
W4	60.0	PD4	554.0	PLM	9000.0
LCF from stem on CL / on sheer				5.646 / 5.860	
Maximum beam station from stem				6.420	
RM Measured				90.1kg·m	
RM Default				99.7kg·m	
Limit of positive stability / Stab.Index				112.5° / 115.0	
Freeboard at mast at 3.770				1.043	



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RIG					
Forestay Tension	Aft	Spreaders	2		
Inner Stay	None Fitted	Runners	0		
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	12.510	E	4.500	MDT1	0.090
IG	13.687	J	3.770	MDL1	0.180
ISP	13.707	SFJ		MDT2	0.090
BAS	1.680	SPL	3.780	MDL2	0.180
FSP	0.060	TPS		MWT	0.144
				TL	0.180
				MW	0.180
				GO	0.180
				BD	0.144
				MWT	0.180
				MCG	0.180

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Strut	PRD	0.400
Type	Folding 2 blades	PBW	
Twin Screw	No	PIPA	0.0010
ST1	0.029	ST3	0.112
ST2	0.112	ST4	0.050
		ST5	0.235
		EDL	0.905

COMMENTS	

MOVABLE BALLAST	
N/A	



Invalid for racing

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CENTERBOARD	
N/A	

SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.170	0.93	1.65	2.80	3.68	32.76	33.38	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	13.45	13.45	13.45	6.77	6.56	75.41		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)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
					5.31	13.42	36.28				Unknow	RI
0.08	0.48	0.92	1.82	2.79	3.79	13.39	25.00	Y		10/03/2018	Unknow	

MEASUREMENT INVENTORY				
Measurer ESP 788				
Date 10/03/2018				
Comment				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	VOLVO	30 CV J+3	
Id	Item	Weight Description		

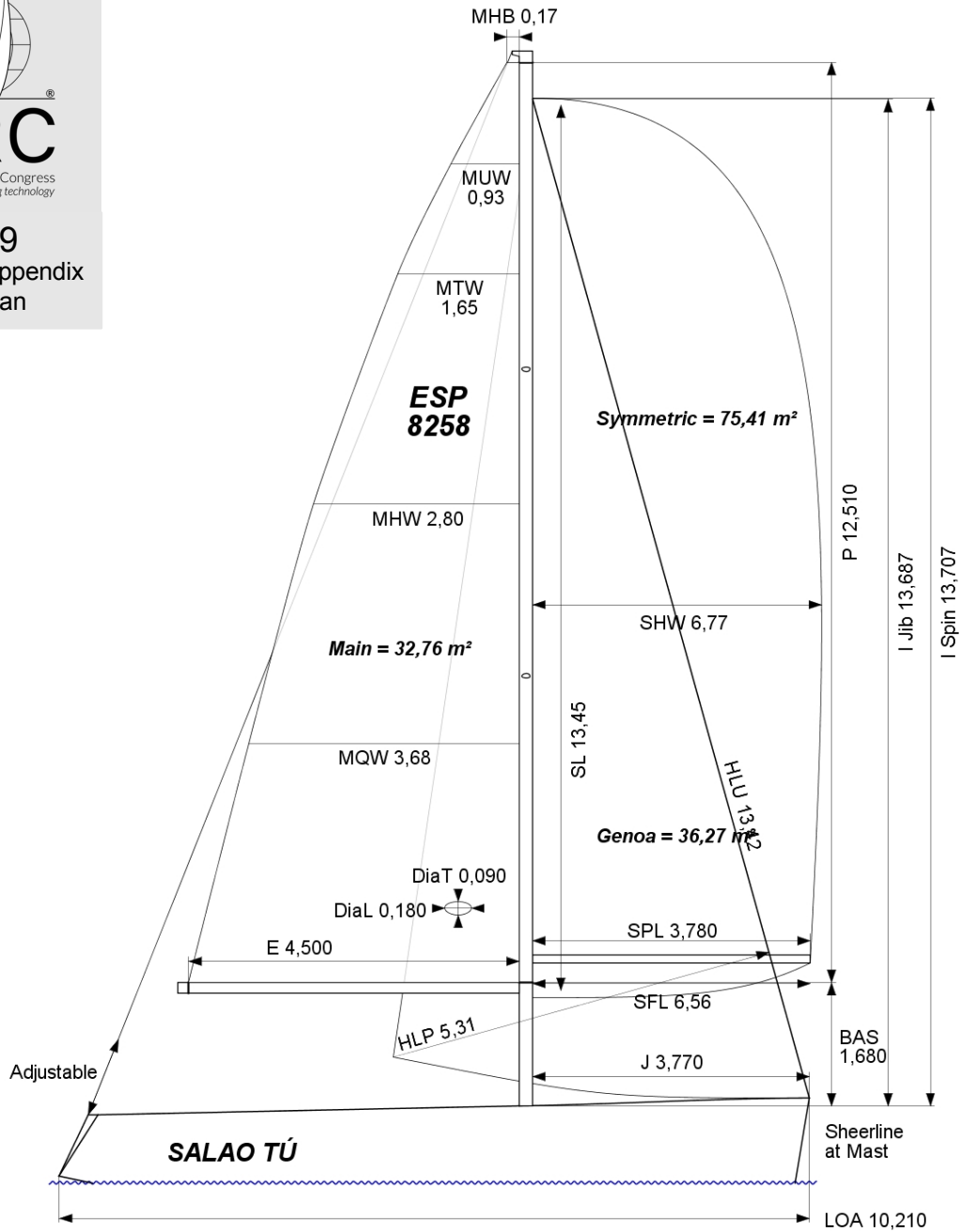
MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank	AGUA		80.0	1.77		0-0 VACIO J-2
2	Tank	GAS-OIL		80.0	4.77		50-0 50 J+1
3	Tank	AGUAS		50.0	6.60		0-0 VACIO J+2,5
Id	Item	Weight	Distance	VCG Description			
1	Battery			ARRANQUE 120 Ah J+4			
2	Battery			2xSERVICIO 120 Ah J+1,5			
1	Misc			CALENTADOR J+3			
	Misc						



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)																	
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment						
M	0.17	0.93	1.65	2.80	3.68	32.77		10/03/2018	NORTH	Unknown							
HEADSAILS (2)																	
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment	
001						5.31	13.42	141%	36.28							Unknown	RI
G2	0.08	0.48	0.92	1.82	2.79	3.79	13.39	101%	25.00	Y			10/03/2018	NORTH	Unknown		
SYMMETRIC SPINNAKERS (1)																	
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment						
001	13.45	13.45	13.45	6.77	6.56	75.41											RI
ASYMMETRIC SPINNAKERS (0)																	
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment					